

FOLDER 8

Bureau of Mineral Resources, Geology and Geophysics

OPEN CUT COAL INVESTIGATIONS IN NEW SOUTH WALES

CESSNOCK MUSWELLBROOK REGION

HOWICK AREA REPORT

Records 1953/47

Folder 8.

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(By W.A.Mc.Kinmon)
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METHOD OF SAMPLING COAL FOR ANALYSIS.

Coal sampling in the Parnell's Creek Area was done by hand and was carried out by taking a representative sample of each ply of coal. Coal plies in this area are generally less than four feet thick and normally visibly uniform along their length. The longest interval sampled within a ply is three feet, except under exceptional circumstances such as insufficient recovery or obvious uniformity of physical characteristics. The minimum interval sampled is defined solely by the amount necessary for a routine coal analysis which is about nine inches of complete core ($2\frac{1}{8}$ " in diam) to complete an approximately 1 lb. sample. Any visible differences in coal qualities within a ply necessitates separate sampling if practicable. Plies are normally defined by a band of mineral or rock varying in thickness between one inch and two feet. Seams in this area usually consist of a small number of plies, generally, **spacing not exceeding five.** However, Artie's Seam is exceptional, containing many more plies.

An attempt is made during this sampling to compensate for the varying recoveries in the different types of coal within a given ply. However, the persistently high recoveries render this practice almost unnecessary. When there are holes with a definitely low recovery, it is found that the fraction of dull and shaly coal is obviously higher than is factual. An attempt is made to remedy this defect by selecting a proportionately larger amount of the bright coal. However, if any deviation from actuality is thus caused, the bias would definitely be to the side of the dull and shaly coal as, in the majority of cases, most of the bright coal from small bands is lost. Bearing this in mind, the analyses obtained from a seam of poor recovery, though not an entirely accurate estimate of the coal, should form a basis of calculation as the minimum quality of coal present.

Rock and mineral bands are frequent in some seams in the area and bands over 2" (ea.) are considered to split the seam into different plies. However, sometimes bands smaller than this are used to delineate plies. The bands used to define plies are generally speaking persistent over a limited area and could be correlated. On the other hand, fine bands and lenses, do not persist and are therefore not treated as above. Consequently bands of this type of 1" or over are excluded from the sample and bands of a lesser thickness are included. If the coal is broken and the band disseminated, an estimate of the thickness is made by the person sampling by means of correlations with other holes or a measure of the actual dust and fragments present. If difficulty is experienced in separating a disseminated band for exclusion, it may be included. A note of all exclusions or inclusions from a sample is made on the stratigraphic log.

In order to sample the coal, it is necessary to break the complete cores; the obvious method of doing this is by splitting: practically, this is impossible. If a chisel is used on the core, the dull coal, generally having little or no cleat tends to fracture sub conchoidally; the brights, generally brittle and possessing a fine cleat in two directions, shatter into very small fragments. Thus the dull coal is divided into large fragments of random shape, and the brights into fine fragments. The nett result from smashing directly with a hammer is almost identical and this method has been generally used.

Sampling is carried out on the broken core by hand picking; the difference in size between the larger pieces of dull coal and the fine dust of brights make an obvious bias towards the selecting of the larger or dull coal. Thus, under normal working conditions, in a ply of bright and dull banded coal, the percentage of dull coal would again be erroneous. It is difficult to eliminate a bias in sampling when there exists a difference in size of the units sampled.

The human bias is also noticeable in that a person with some knowledge of coal must unconsciously be biassed against the selecting of shaly samples of coal. Normally, in non-mechanical sampleing, this will result unless a strict and inviolable routine is laid down which in this case is obviously impossible. No routine can be laid down because the initial data are so variable. However, a conscious effort was made to eliminate this by paying special attention to the amount added in making the sample and by revision of the remaining core after sampling.

(Signed) W.A. McKINNON.

ABBREVIATIONS.

- * Nn = Non-agglomerating.
- Nc = Non-agglomerating, coherent.
- Aw = Weakly agglomerating.
- Af = Firmly agglomerating.
- Cw = Weak coking.
- Cm = Medium coking.
- Cs = Strong coking.

All analyses in this area undertaken by N.S.W. Department
of Mines were performed according to -

"AUSTRALIAN STANDARD METHODS FOR SAMPLING AND
ANALYSIS OF COAL AND COKE" No. CK.2 (Latest Edition).

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Chemical Laboratory

2.2.53

SUBJECT: Carbonisation Tests: Bores 17 (T) & 26 (T),
Parnell's Creek.

The cores from Bores 17 (T) and 26 (T), Parnell's Creek Area have been examined. One sample was subjected to the "Gray-King High Temperature Assay". It was considered that no useful purpose would be served by carbonising the other samples.

Logs showing the locations of the samples are attached, the results are tabulated below:-

<u>Yield per ton.</u>	<u>2875</u>	<u>2876</u>	<u>2879</u>	<u>2880</u>
Coke. cwt.	13.0	13.4 *	14.0 *	14.5 *
Tar. galls.	8.5	-	-	-
Gas. c.f. (at 30", 60°F.)	12,200	12,000 *	11,000 *	10,000 *
Therms.	85.4	78 *	71 *	62 *
Calorific Value of Gas. BthU/c.f.)	700	650 *	640 *	630 *
Gravity of Gas. (Air = 1)	0.47	-	-	-
Therms / ton (in Gas Works)	75 *	69 *	64 *	56 *
Calorific Value of Gas. (Gas Works)	540 *	< 500 *	< 500 *	< 500 *
Moisture	4.3	4.5	4.0	4.0
Volatiles	36.3	34.2	32.4	30.1
Fixed Carbon	50.6	49.8	47.8	44.0
Ash	8.8	11.5	15.8	21.9
Coke Nature	Cw.	Cw.	Cw.	Cw.

Sample 2875 would produce a very poor coke in gas works retorts, the cokes from the other samples would be worse.

* Calculated.

PARNELL'S CREEK BORE 17. (T).

14 $\frac{1}{2}$ "	Shale	
1"	Carb. shale	
1"	High ash coal	
19 $\frac{1}{2}$ "	Coal	} 2875
12"	Coal	
2"	Claystone (excluded)	
1"	Coal, high ash, pyritic.	
6 $\frac{1}{2}$ "	Coal	
2"	Shale, carb. shale & coal	
3 $\frac{1}{2}$ "	Coal, high ash.	
1 $\frac{1}{2}$ "	Coal, bright.	
1"	Brown shale	
2"	Coal, bright	
1"	Shale, sandy	
16"	Coal	} 2876
2"	Claystone	
$\frac{1}{2}$ "	Coal, high ash	
2"	Claystone	
2"	Coal, high ash	
13"	Coal	
1"	Claystone	
4 $\frac{1}{2}$ "	Coal	
4"	Coal	
1 $\frac{1}{2}$ "	Claystone (excluded)	
4"	Coal	
5"	Coal, with $\frac{1}{4}$ " high ash coal	
3"	Claystone	

There are a number of discrepancies between the log supplied by the B.M.R. and the bore received at the laboratory.

PARNELL'S CREEK BORE 26. (T).

1"	Carb. shale	
6"	Claystone	
5"	Carb. shale	
4"	Coal	} 2879
1"	Carb. shale (excluded)	
2"	Claystone (excluded)	
2"	Coal	
$\frac{1}{2}$ "	Claystone	
15"	Coal	
1"	Carb. shale	
13"	Coal	
6"	Claystone	
11 $\frac{1}{2}$ "	Coal	} 2880
$\frac{1}{2}$ "	Shale	
10"	Coal	
1"	Coal, high ash	
2"	Carb. shale (excluded)	
15"	Coal	
1"	Carb. shale (excluded)	
8"	Coal	
2"	Shale with carb. shale and coal bands (excluded)	
2"	Coal	
7"	Clayshale	

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Chemical Laboratory,

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SUBJECT: Carbonisation Tests: Bore 33 T. Parnell's Creek Area.

Samples of coal from Bore 33 T, Parnell's Creek Area, have been tested by the so-called "Gray-King High Temperature Assay". The results are tabulated below, and a log of the bore, showing the location of the samples, is attached.

The "Gray-King High Temperature Assay" is a medium temperature laboratory-scale carbonisation apparatus. Correlation with yields obtained in gas works appears to be of doubtful value, as the correlation factors vary with coal size, coking nature of coal and other variables. The apparatus, when used in the prescribed manner, is not satisfactory for use with N.S.W. gas coals.

<u>Yield per ton.</u>	<u>2869</u>	<u>2870</u>	<u>2872</u>	<u>2873</u>	<u>2874</u>	<u>Blend</u>
Coke. cwt.	13.6	13.3	14.0	13.6	14.5	12.7
Tar. galls.	10.1	12.5	7.2	11.9	8.2	13.1
Gas. c.f. (at 30" 60°F.)	11,800	11,400	10,700	11,500	9,000	12,800
Therms.	73.2	72.9	68.5	71.3	54.9	94.7
Calorific Value of Gas. (BThU/ c.f.)	620	640	640	620	610	740
Gravity of Gas (Air = 1)	0.43	0.50	0.48	0.44	0.44	0.48

The sample "Blend" is a mixture of good gas coal and poor gas coal, such as might be used in gas works operation.

The calculated yield (Therms per ton) which might be expected when these coals are carbonised in continuous vertical retorts using 10% steam are given below:-

<u>Sample</u>	<u>Therms/ton</u>
2869	66
2870	66
2872	62
2873	64
2874	48
"D"	71
"Blend"	78
"H"	84
"F"	80

"D", "H" and "F" are coals included for comparison, "H" is a good gas coal.

In gas works operation, the calorific value of the gas produced from the samples from Bore 33 T. would probably be less than 500 BthU/c.f. and the coke would be of poor quality.

PROXIMATE ANALYSES.

<u>Sample.</u>	<u>Moisture.</u>	<u>Volatiles.</u>	<u>Fixed Carbon.</u>	<u>Ash.</u>	<u>Coke Nature</u>
2869	3.0	36.9	48.2	11.9	Cw.
2870	2.8	34.8	50.3	12.1	Af.
2871	3.1	17.7	13.3	65.9	Nn.
2872	2.9	31.7	46.4	19.0	Af.
2873	2.9	33.5	51.2	12.4	Cw.
2874	2.8	29.5	39.1	28.6	Af.
"Blend"	2.5	28.5	50.5	8.5	Cw.
"D"	2.9	33.4	50.8	12.9	Cw.
"H"	2.1	41.2	48.8	7.9	Cw.

BORE 33 T.

Measured thickness.

Description.

1"	Claystone	
$\frac{1}{2}$ "	Dark shale	
11"	Claystone	
28"	Coal	 2869
6"	Shale & carb. shale	
19"	Shale & carb. shale	
$3\frac{1}{2}$ "	Claystone	
$3\frac{1}{2}$ "	Carb. shale	
52"	Coal	}..... 2870
1"	High ash coal	
1"	Sandy shale	
$1\frac{1}{2}$ "	High ash coal	}..... 2871
1"	Shale	
$1\frac{1}{2}$ "	High ash coal	
3"	High ash coal	}.... 2872
12"	Coal	
$\frac{1}{2}$ "	Brown sandy shale	
11"	Coal	
6"	Pyritic shale	
10"	Coal	 2873
1"	Shale & carb. shale	
$\frac{1}{2}$ "	High ash coal	
9"	Claystone	
28"	Coal	 2874
6"	Carb. shale	
9"	Claystone	
7"	Clayey sandstone.	

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I N D E X
TABLE II. ANALYSES AND WEIGHTED MEANS.
(Coal Seams in order of deposition.)

COAL SEAMS.	B O R E N U M B E R S			
	Parnell's Creek Subarea (Central Prospect.)	Farrell's Creek Subarea	Pond's Creek Subarea	Jerry's Plains Subarea
Barrett's Seam	7S, 8S, 9S, 10S, 12S, 11/13S, 16S, 17S, 22S; 43T, 44T, 45T, 47T; 49T, 50T, 53T, 59T.	1&6S, 4/5S.	1SR, 2SR, 3SR-2, 7S, 2T, 16T.	-----
Lower Liddell Seam	6S, 7S, 9S, 10S, 11/13S, 12S, 16S, 17S, 18S, 21S, 22S, 26T, 28T, 44T, 47T.	1/6S, 2/3S,	1SR, 3SR-2, 7S, 2T, 15/TR,	-----
Mid. Liddell Seam	8S, 21S,	1/6S, 2/3S,	5T,	-----
Upper Liddell Seam.	5S, 6S, 8S, 9S, 10S, 11/13S, 14S, 16S, 17S, 18S, 19S, 21S, 22S, 20T, 21T, 25T, 26T, 28T, 35T, 39T, 56T, 58T,	1/6S, 2/3S,	1SR, 2SR, 3SR-2, 7S, 1T, 5T, 8T, 9T, 15TR.	-----
Artie's Seam.	5S, 6S, 8S, 10S, 11/13S, 14S, 16S, 17S, 18S, 19S, 21S, 23S, 24S, 25S, 26S, 27T, 31T, 32T, 33T, 34T, 35T, 37T, 51T, 75T.	2/3S, 1/6S, 7S,	1SR, 4S, 8S, 2SR, 3S, 7S, 5T, 6T, 7T, 8TR, 9T, 15TR, 8T, 15T,	-----
Middle Artie's Seam.	22S,	1/6S, 7S,	1S, 4S,	-----
Upper Artie's Seam	10S, 17S, 24S, 25S,	1/6S, 7S,	1SR, 4S, 8S,	-----

COAL SEAMS.	B O R E N U M B E R S			
	Parnell's Creek Subarea. (Central Prospect.)	Farrell's Creek Subarea	Pond's Creek Subarea	Jerry's Plains Subarea
Seam A.	24S, 25S,	----	5T, 7T,	----
Seam B.	29T,	----	4S,	----
Seam C.	8S, 16S, 17S, 18S, 19S, 20S, 21S, 23S, 29T.	1/6S, 2/3S,	2SR, 3S, 7S,	----
Seam EC.	24S, 25S,	----	----	----
Seam D.	----	2/3S,	----	----
Seam E.	8S, 16S, 17S, 19S, 20S, 21S, 23S, 22T,	1/6S,	8(S)R,	----
Seam G.	6S, 8S, 16S, 18S, 20S, 21S, 23S, 24S, 22T.	1/6S, 2/3S,	1S, 3S,	----
Seam JG.	----	----	4S,	----
Seam J.	8S, 17S, 20S, 21S, 23S, 24S, 22T,	1/6S, 7S,	1S, 3S,	----
Seam QPONL.	----	----	4S,	----
Seam N.	17S, 18S, 20S, 21S, 23S, 22T,	1/6S, 2/3S, 7S,	1S, 3S,	----

COAL SEAMS.	B O R E N U M B E R S			
	Parnell's Creek Subarea (Central Prospect.)	Farrell's Creek Subarea	Pond's Creek Subarea	Jerry's Plains Subarea
Seam Q.	6S, 17S, 20S, 21S, 23S, 66T, 67T, 69T, 70T, 71T, 72T.	2/3S, 7S,	----	----
Farrell's Ck. Seam.	6S, 14S, 17S, 20S, 23S, 24T, 36T, 38T, 40T, 60T, 61T, 62T, 63T, 64T, 65T, 66T, 67T, 68T, 69T, 70T, 72T, 73T, 74T,	1/6S, 2/3S, 7S,	2SR, 4S,	----
Lower R. Seam	70T,	----	----	----
Upper R. Seam	70T,	----	----	----
Seam W.	40T, 60T, 63T,	----	2SR,	----
Seam X.	36T, 60T, 63T,	----		----
Mid. Y. Seam	----	----	2SR,	1S,
Lower Y. Seam.	----	----	----	1S,
Upper Y. Seam	----	----	----	1S,
Seam Z.	----	----	----	1S,

BARRETT'S SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
Parnell's Creek Area											
7(S)	2006	2	157' 7 $\frac{1}{2}$ " - 158' 6 $\frac{3}{4}$ "		2.7	37.7	49.9	9.7	Cw	Pink	13,140
	2007	3	158' 6 $\frac{3}{4}$ " - 160' 1 $\frac{1}{4}$ "		2.8	38.7	52.6	5.9	Cm	Buff	13,700
	2008	4	160' 2" - 162' 4"		2.8	33.0	46.8	17.4	Af	Cream	11,800
	2009	5	162' 8" - 163' 5 $\frac{1}{2}$ "		2.6	37.4	51.0	9.0	Cm	Pink	13,260
	2210	6	163' 7" - 165' 2"		4.1	33.3	50.2	12.4	Cm	Cream	12,350
Weighted Means: Band free				6.87	3.4	35.5	49.7	11.3			12,700
Band				7.47	2.8	32.6	45.8	18.9			11,680
8(S)	2141	23	383' 11 $\frac{1}{2}$ " - 386' 5 $\frac{1}{2}$ "		2.7	36.3	47.4	13.6	Cw	Buff	12,370
	2142	24	386' 7 $\frac{1}{2}$ " - 387' 9 $\frac{1}{4}$ "		3.1	31.1	49.4	16.4	Af	Cream	11,830
	2143	25	387' 11 $\frac{1}{4}$ " - 389' 3 $\frac{1}{4}$ "		3.0	35.6	52.0	9.4	Cm	Buff	13,050
	2144	26	389' 7" - 390' 8 $\frac{3}{4}$ "		3.0	36.1	52.7	8.2	Cm	Cream	13,230
	2145	27	390' 9 $\frac{1}{2}$ " - 391' 10 $\frac{1}{2}$ "		3.5	30.5	45.9	20.1	Cw	Cream	11,380
Weighted Means: Band free				7.00	3.0	33.5	48.8	15.4			12,080
Banded				7.92	2.7	29.6	43.1	25.2			10,680
9(S)	2149	4	194' 4" - 195' 10"		2.7	37.6	49.9	9.8	Cm	White	13,030
	2150	5	195' 10" - 197' 10"		2.9	36.9	52.5	7.7	Cm	Pink	13,410
	2151	6	197' 10" - 202' 0"		2.8	32.0	51.3	13.9	Af	Pink	12,410
Weighted Means: Band free				7.40	2.8	34.37	52.0	11.6			12,760
Banded				7.67	2.7	33.1	50.1	14.7			12,310
10(S)	2165	14	389' 1 $\frac{1}{2}$ " - 392' 2"		2.2	37.4	49.1	11.3	Cm	Pink	12,970
	2166	15	392' 2 $\frac{1}{2}$ " - 393' 9"		2.4	28.7	44.5	24.4	Aw	Cream	10,690
	2167	16	393' 9" - 395' 0 $\frac{1}{2}$ "		2.3	36.9	50.4	10.4	Cm	Buff	13,090
	2168	17	395' 3" - 396' 2 $\frac{1}{2}$ "		2.4	31.1	45.4	21.1	Af	Buff	11,160
	2169	18	396' 2 $\frac{1}{2}$ " - 397' 0"		2.5	28.6	44.8	24.1	Af	Buff	10,720
	2170	19	397' 0" - 399' 0"		2.8	28.0	44.4	24.8	Af	Buff	10,580
Weighted Means: Band free				8.58	2.4	32.8	49.9	14.2			11,150
Banded				9.87	2.1	28.6	40.8	28.5			10,270
12(S)	2343	2	126' 0" - 128' 8"		3.4	38.7	50.9	7.0	Jm	Pink	13,440
	2344	3	129' 9 $\frac{1}{2}$ " - 130' 0 $\frac{1}{2}$ "		3.9	31.3	51.5	13.3	Cw	Pink	12,370
	2345	4	130' 2 $\frac{1}{2}$ " - 131' 6"		3.8	36.5	51.7	8.0	Cw	Pink	13,180
	2346	5	131' 9 $\frac{1}{2}$ " - 135' 2 $\frac{1}{2}$ "		3.9	35.3	50.3	10.5	Cm	Buff	12,840
	2347	6	135' 6 $\frac{1}{2}$ " - 137' 1 $\frac{1}{2}$ "		4.2	33.8	49.7	12.3	Cm	Buff	12,520
Weighted Means: Band free				7.77	3.8	35.9	50.9	9.5			12,970
Banded				8.96	3.3	31.2	44.2	21.4			11,290

B A R R E T T ' S S E A M

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
Parnell's Creek Area Cont.											
11/13(s)	2397	11	270' 6" - 272' 6"		3.4	38.7	51.1	6.1	Cm	Buff	13,590
	2398	12	272' 6" - 273' 6 $\frac{1}{2}$ "		4.4	34.4	48.9	12.3	Cm	Buff	12,490
	2399	13	273' 8" - 274' 4"		4.4	30.2	47.7	17.7	Aw	Pink	11,380
	2400	14	274' 5 $\frac{1}{2}$ " - 275' 8 $\frac{3}{4}$ "		3.9	26.9	50.6	8.6	Cw	Buff	12,940
	2401	15	276' 1" - 276' 11"		4.3	35.6	50.6	9.5	Cm	Buff	12,930
	2402	16	277' 2 $\frac{1}{2}$ " - 278' 7 $\frac{1}{2}$ "		5.1	33.2	49.5	12.2	Cw	Cream	12,230
	2403	17	278' 10 $\frac{1}{2}$ " - 279' 10 $\frac{1}{2}$ "		4.4	33.6	48.4	13.6	Cw	Cream	12,130
		Weighted Means:		Band free	8.08	4.2	35.3	49.8	10.5		12,700
				Banded	9.12	3.4	31.3	44.1	20.8		11,250
16(S)	2606	24	369' 0 $\frac{3}{4}$ " - 371' 4 $\frac{1}{2}$ "		2.7	37.7	49.9	9.7	Cw	Pink	13,230
	2607	25	372' 4 $\frac{3}{4}$ " - 373' 9 $\frac{3}{4}$ "		3.1	33.1	46.2	17.6	Af	Pink	11,670
	2608	26	374' 2 $\frac{1}{2}$ " - 375' 5 $\frac{1}{4}$ "		3.0	34.6	50.3	12.1	Cw	Pink	12,500
		Weighted Means:		Band free	5.64	2.9	35.7	49.0	12.3		12,620
					6.66	2.1	26.0	35.7	36.1		9,190
17(S)	2698	28	520' 10 $\frac{1}{2}$ " - 521' 11"		2.3	36.0	51.2	10.5	Cw	Pink	13,240
	2699	29	522' 2 $\frac{1}{2}$ " - 523' 11"		2.5	34.1	52.2	11.2	Cw	Pink	13,100
	2700	30	525' 8 $\frac{1}{2}$ " - 527' 1"		2.3	33.3	48.4	16.0	Cw	Pink	12,370
	2701	31	527' 4" - 528' 1"		2.3	33.9	52.2	11.6	Cm	Pink	13,090
		Weighted Means:		Band free	4.77	2.3	34.4	51.0	12.3		12,900
				Banded	7.21	1.4	22.8	34.0	41.9		8,600
22(S)	195	7	257' 7" - 260' 2"		3.3	24.3	35.2	37.2	Aw	Pink	- -
		Weighted Means:		Band free	2.58	3.3	24.3	35.2	37.2		- -
43(T)	3359	1	81' 8" - 84' 5"		3.8	36.3	51.3	8.6	Cw	Grey	12,960
	3360	2	84' 8 $\frac{1}{2}$ " - 85' 11 $\frac{1}{2}$ "		3.8	31.0	58.5	6.7	Af	Pink	13,180
	3361	3	86' 1" - 88' 4"		3.9	33.8	50.7	11.6	Cw	Pink	12,630
	3362	4	88' 8" - 90' 2"		4.1	28.9	40.6	26.4	Af	Grey	10,130
		Weighted Means:		Band free	7.04	3.90	33.3	49.9	12.8		12,320
				Banded	8.50	3.30	28.1	42.1	26.6		10,370
44(T)	3365	3	112' 6" - 114' 2"		3.5	32.7	50.5	13.3	Af	Cream	12,260
	3366	4	114' 5 $\frac{1}{2}$ " - 116' 3"		3.1	28.6	39.2	29.1	Nc	Pink	9,600
	3367	5	117' 1" - 120' 0"		3.0	31.8	46.8	18.4	Cw	Buff	11,710
		Weighted Means:		Band free	6.17	3.2	31.1	45.6	20.1		11,250
				Banded	7.50	2.6	25.6	37.3	35.2		9,250

BARRETT'S SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
Parnell's Creek Area Cont.											
45 (T)	3368	1	57' 0" - 60' 1"		3.2	34.6	47.7	14.5	Af	Pink	12,170
	3369	2	60' 3 $\frac{1}{2}$ " - 61' 11"		3.2	32.6	52.5	11.7	Af	Cream	12,430
	3370	3	62' 5" - 64' 6"		3.6	32.6	48.6	15.2	Af	Cream	11,930
		Weighted Means:	Band free	6.62	3.3	33.5	49.1	14.0			12,160
			Banded	7.83	2.8	28.3	41.5	27.3			10,280
47 (T)	3372	2	103' 4" - 105' 8"		3.1	37.7	52.1	7.1	Cw	Grey	13,380
	3373	3	105' 10 $\frac{1}{2}$ " - 107' 0 $\frac{1}{2}$ "		3.2	31.0	46.3	19.5	Af	Pink	11,360
	3374	4	107' 2 $\frac{1}{2}$ " - 108' 0 $\frac{1}{2}$ "		3.2	36.7	53.3	6.8	Cw	Buff	13,390
	3375	5	108' 4" - 109' 5"		3.3	31.9	47.3	17.5	Cw	Pink	11,880
	3376	6	109' 6 $\frac{1}{2}$ " - 111' 3 $\frac{1}{2}$ "		3.1	31.9	46.2	18.8	Af	Pink	11,500
		Weighted Means:	Band free	6.86	3.2	34.3	49.3	13.3			10,400
			Banded	7.96	2.7	29.6	42.2	25.1			8,960
49 (T)	175	1	37' 10" - 35' 9"		4.9	35.3	52.6	7.2	Aw	Brown	12,470
	176	2	38' 10" - 41' 3"		4.7	33.0	49.6	12.7	Nn	Cream	11,400
	177	3	41' 4 $\frac{1}{2}$ " - 43' 6"		4.8	32.9	50.9	11.4	Aw	Cream	11,940
	178	4	43' 9 $\frac{1}{2}$ " - 44' 10"		3.8	33.2	49.9	13.1	Aw	Cream	11,800
	179	5	44' 11 $\frac{1}{2}$ " - 46' 2"		4.2	32.3	48.3	15.2	Af	Pink	11,610
		Weighted Means:	Band free	7.33	4.5	33.3	50.2	11.6			11,810
			Banded	8.33	4.1	29.9	44.3	22.2			10,360
50 (T)	158	1	86' 5" - 88' 10"		3.1	37.1	49.8	10.0	Cw	Pink	12,840
	159	2	89' 0" - 89' 11"		4.0	30.1	48.4	17.5	Af	Buff	11,470
	160	3	90' 2" - 91' 1"		3.5	36.4	52.2	7.9	Cw	Pink	13,110
	161	4	91' 4" - 93' 9"		3.7	34.3	51.4	10.6	Cw	Cream	12,590
		Weighted Means:	Band free	6.68	3.5	35.0	50.2	10.8			12,520
			Banded	7.33	3.2	32.0	46.0	19.1			11,400
53 (T)	168	1	45' 11" - 47' 11"		3.6	36.4	54.1	5.9	Cw	Buff	13,320
	169	2	51' 0" - 53' 2"		3.4	33.9	52.9	9.8	Cw	Cream	12,680
		Weighted Means:	Band free	6.70	3.5	35.0	53.2	8.1			12,960
			Banded	7.79	3.0	30.2	46.3	20.5			11,280

BARRETT'S SEAM

B A R R E T T ' S S E A M

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
Parnell's Creek Area Cont.											
59(T)	692	1	72' 9" - 75' 8"		4.8	34.7	49.5	11.0	Cw	Pink	12,540
	693	2	75' 11" - 78' 5"		4.8	34.7	50.2	10.3	Cw	Pink	12,650
	694	3	78' 7" - 81' 4"		5.1	33.2	49.9	11.8	Cw	Pink	12,290
		Weighted Means:		Band free	7.88	4.9	34.0	49.8	11.1		12,450
				Banded	8.59	4.3	31.3	45.6	18.4		11,430
Farrell's Creek Area											
1 & 6(S)	3072	30	709' 2" - 711' 2"		2.2	36.6	48.9	12.3	Cw	Pink	12,730
	3073	31	711' 3" - 712' 1"		2.5	28.9	45.7	22.9	Af	Pink	11,050
	3074	32	712' 1" - 713' 1"		2.4	33.7	48.1	15.8	Cw	Buff	12,190
	3075	33	713' 5½" - 715' 8"		2.6	31.1	50.0	16.3	Cw	Cream	12,080
		Weighted Means:		Band free	6.04	2.5	33.1	49.1	15.9		12,200
				Banded	6.38	2.3	31.3	46.2	20.2		11,500
5(S)	113	1	482' 6" - 485' 3"		3.1	34.6	53.4	8.9	Cw	Pink	13,030
	114	2	485' 3" - 488' 0"		3.0	36.5	53.6	6.9	Cw	Buff	13,330
	115	3	488' 6" - 490' 5"		2.9	36.7	54.4	6.0	Cm	Pink	13,520
		Weighted Means:		Band free	7.21	3.1	35.7	53.7	7.5		13,250
				Banded	7.63	2.9	33.9	50.6	12.6		12,540
Pond's Creek Area											
1(S)R	502	8	309' 3" - 311' 4"		3.3	34.9	48.6	13.5	Cm	Pink	12,280
	503	9	311' 10" - 314' 1"		3.8	27.4	46.8	22.0	Af	Pink	10,860
		Weighted Means:		Band free	4.16	3.5	31.1	42.7	17.7		11,570
				Banded	4.83	3.0	25.8	41.3	29.7		10,030
2(S)R	937	16	945' 3" - 947' 9"		2.9	32.9	47.7	16.5	Cm	Pink	11,930
		Weighted Means:		Band free	2.50	2.9	32.9	47.7	16.5		11,930
3(S)R-2	911	4	536' 1" - 539' 3"		3.2	34.4	51.1	11.3	Cm	Pink	12,650
		Weighted Means:		Band free	2.87	3.2	34.4	51.1	11.3		12,650
				Banded	3.17	2.9	31.3	46.3	19.5		11,150

B A R R E T T ' S S E A M

EMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
Pond's Creek Area Cont.											
7(S)	112	6	301' 10 $\frac{1}{2}$ " - 306' 11"		3.7	29.7	49.6	17.0	Ar	Grey	11,590
			Weighted Means: Band free	4.04	3.7	29.7	49.6	17.0			11,590
2(T)	210	4	97' 9" - 99' 9"		3.7	36.8	51.9	7.6	Cw	Grey	13,030
	211	5	100' 5 $\frac{1}{2}$ " - 101' 11 $\frac{1}{2}$ "		4.4	33.4	51.7	10.5	Ar	White	12,430
	212	6	102' 3 $\frac{1}{2}$ " - 104' 7 $\frac{1}{2}$ "		4.4	34.9	53.0	7.7	Cw	Grey	12,920
			Weighted Means: Band free	5.42	4.1	35.3	52.1	8.1			12,800
			Banded	6.54	3.4	29.3	43.1	23.9			10,650
16(T)	1505	1	121' 10" - 123' 9"		3.2	38.4	53.1	5.3	Cm	Buff	13,640
	1506	2	123' 11" - 125' 1 $\frac{1}{2}$ "		3.6	33.8	52.2	10.4	Cw	Buff	12,680
	1507	3	125' 4" - 127' 3"		3.3	34.7	51.0	11.0	Cw	Buff	12,610
			Weighted Means: Band free	4.79	3.3	35.9	52.3	8.4			13,050
			Banded	5.04	2.9	32.0	46.2	19.8			11,450

LOWER LIDDELL SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
<u>Parnell's Creek Area.</u>											
6(S)	2203	21	504' 10 $\frac{1}{2}$ " - 506' 11 $\frac{1}{2}$ "		2.6	30.4	42.8	24.2	Af.	Pink	10,730
	2204	22	507' 10" - 510' 10"		2.6	32.7	46.8	17.9	Af.	Pink	11,640
			Weighted Means: Band Free	4.37	2.6	32.0	45.7	19.7			11,430
			Banded	5.95	2.0	23.5	33.6	40.9			8,380
7(S)	2005	1	108' 10 $\frac{1}{2}$ " - 111' 0"		3.2	35.2	51.6	10.0	CM	Pink	12,970
			Weighted Means: Band free	2.64	3.2	35.2	51.6	10.0			12,970
			Banded	3.00	2.5	27.7	40.7	29.0			10,220
8(S)	2140	22	324' 6 $\frac{1}{2}$ " - 327' 2 $\frac{1}{2}$ "		3.0	31.3	45.0	20.7	Af.	Cream	11,200
			Weighted Means: Band free	2.67	3.0	31.3	45.0	20.7			11,200
9(S)	2148	3	139' 2" - 144' 4"		2.8	33.1	46.5	17.6	Af.	Cream	11,770
			Weighted Means: Band Free	5.67	2.8	33.1	46.5	17.6			11,770
			Banded	5.86	2.7	32.0	44.9	20.2			11,400
10(S)	2163	12	322' 6" - 324' 0"		2.5	31.9	44.9	20.7	Cm	Pink	11,360
	2164	13	325' 11 $\frac{1}{4}$ " - 328' 10"		2.6	30.9	46.3	20.2	Cw	Buff	11,430
			Weighted Means: Band free	5.16	2.6	31.2	45.8	20.4			11,410
			Banded	6.35	2.1	25.3	37.3	35.3			9,270
12(S)	2342	1	63' 10" - 65' 16"		4.1	33.8	49.6	12.5	Cw	Pink	12,460
			Weighted Means: Band free	2.0	4.1	33.8	49.6	12.5			12,460
11/13(S)	2396	10	205' 3" - 207' 3 $\frac{1}{2}$ "		4.5	30.4	41.5	23.6	Af.	Cream	10,480
			Weighted Means: Band free	2.79	4.5	30.4	41.5	23.6			10,480
			Banded	3.41	3.7	24.8	33.9	37.4			8,570
16(S)	2602	20	313' 7" - 314' 6 $\frac{1}{2}$ "		3.3	31.7	43.5	21.5	AF	White	10,960
	2603	21	314' 6 $\frac{1}{2}$ " - 315' 8"		3.6	35.2	51.3	9.9	Cw	Cream	12,740
	2604	22	316' 0 $\frac{1}{2}$ " - 317' 3 $\frac{3}{4}$ "		3.3	33.2	45.0	18.5	Af.	Cream	11,400
	2605	23	317' 5 $\frac{3}{4}$ " - 318' 11 $\frac{3}{4}$ "		3.3	32.7	48.7	15.3	AF	White	11,970
			Weighted Means: Band free	4.85	3.4	33.2	47.3	16.1			11,750
			Banded	5.37	3.0	30.0	42.7	24.3			10,600

LOWER LIDDELL SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Pamell's Ck. Area Cont'd.											
17(S)	2695	25	465' 6 $\frac{1}{2}$ " - 467' 3 $\frac{1}{2}$ "		2.7	32.1	46.9	18.3	Cw	Grey	11,860
	2696	26	467' 5 $\frac{1}{4}$ " - 468' 5"		2.2	35.3	48.8	13.7	Cw	Pink	12,730
	2697	27	468' 5 $\frac{1}{2}$ " - 470' 8"		2.5	31.3	45.8	20.4	Af	White	11,360
			Weighted Means: Band free	4.94	2.4	32.5	47.0	18.1			11,800
18(S)	2578	22	387' 6 $\frac{3}{4}$ " - 389' 4 $\frac{1}{2}$ "		3.4	34.1	50.5	12.0	Cm	Cream	12,490
	2579	23	390' 2" - 391' 0"		3.4	35.7	50.8	10.1	Cw	Buff	12,730
	2580	24	391' 6 $\frac{1}{2}$ " - 393' 9"		3.0	32.3	47.1	17.6	Af	Pink	11,620
			Weighted Means: Band free	4.83	3.2	33.6	48.9	14.3			12,150
			Banded	6.16	2.5	26.3	38.3	32.9			9,550
21(S)	3242	23	449' 1" - 451' 8"		2.7	32.9	47.5	16.9	Af	Pink	11,900
			Weighted Means: Band free	2.04	2.7	32.9	47.5	16.9			11,900
			Banded	2.50	2.1	31.1	37.5	29.3			9,550
22(S)	194	6	208' 4" - 210' 2"		3.4	24.6	32.8	39.2	Nn	Pink	--
			Weighted Means: Band free	4.87	3.4	24.6	32.8	39.2			--
			Banded	5.16	3.2	23.1	31.0	42.7			--
26(T)	2765	5	127' 0" - 129' 3"		3.0	38.6	53.8	4.6	Cw	Grey	13,570
	2766	6	129' 3" - 130' 4"		3.0	31.7	55.0	10.3	Af	Grey	12,680
	2767	7	130' 5" - 131' 10 $\frac{3}{4}$ "		2.9	34.4	47.3	15.4	Cm	Pink	12,000
			Weighted Means: Band free	4.81	3.0	35.8	52.1	9.2			12,880
			Banded	4.88	3.0	35.7	52.0	9.4			12,850
28(T)	2912	5	131' 9" - 135' 2"		2.8	35.6	51.1	10.5	Cw	Pink	12,950
			Weighted Means: Band free	4.21	2.8	35.6	51.5	10.5			12,950
			Banded	5.67	2.1	26.6	37.8	33.5			9,600
44(T)	3363	1	56' 6" - 57' 7 $\frac{1}{2}$ "		3.9	26.4	35.6	34.1	Nn	Pink	--
	3364	2	58' 9 $\frac{1}{2}$ " - 62' 0"		4.2	26.3	38.2	31.3	Nn	Pink	--
			Weighted Means: Band free	4.33	5.2	23.8	37.50	31.8			--
			Banded	5.50	4.1	20.5	29.4	46.3			--

LOWER LIDDELL SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth.	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
<u>Parnell's Ck. Area Cont'd.</u>											
47(T)	3371	1	49' 10 " - 51' 9 "		3.3	32.8	46.5	17.4	Af	Grey	11,560
			Weighted Means: Band free	3.59	3.3	32.8	46.5	17.4			11,560
			Banded	5.92	1.9	20.2	28.3	49.6			7,000
<u>Farrell's Creek Area.</u>											
1 & 6(S)	3068	26	647' 8 " - 651' 0 "		2.5	34.6	46.7	16.2	Af	Pink	12,020
	3069	27	651' 0 " - 653' 9 "		2.8	29.1	36.8	31.3	AF	Buff	9,300
	3070	28	653' 9 " - 654' 7 "		2.7	34.0	45.9	17.4	Af	Pink	11,810
	3071	29	654' 9 1/2 " - 656' 11 1/2 "		2.4	34.3	49.1	14.2	Cm	Pink	12,450
			Weighted Means: Band free	9.00	2.6	32.7	44.2	20.5			11,250
2 & 3(S)	2944	29	505' 7 " - 508' 4 "		2.2	33.5	44.8	19.5	CW	Pink	11,580
	2945	30	508' 4 " - 511' 1 "		2.2	35.0	49.2	13.6	Cm	Pink	12,460
			Weighted Means: Band free	5.50	2.2	34.7	47.0	16.60			12,020
<u>Pond's Creek Area.</u>											
1(S)R	500	6	270' 8 1/2 " - 273' 8 1/2 "		3.0	30.9	41.9	24.2	Cm	Buff	10,610
	501	7	273' 9 1/2 " - 276' 5 "		3.6	28.7	38.6	29.1	Cw	Pink	9,610
			Weighted Means: Band free	4.52	3.3	30.0	40.5	26.70			10,200
			Banded	5.69	2.6	23.70	32.00	40.70			8,100
3(S)R-2	910	3	491' 3 " - 494' 3 "		3.2	31.4	46.3	19.1	Cm	White	11,490
			Weighted Means: Band free	5.29	3.2	31.4	46.3	19.1			11,490
			Banded	5.66	3.0	29.7	43.4	24.0			10,800
7(S)	111	5	272' 0 " - 273' 7 "		3.7	27.2	40.3	28.8	Aw	Buff	9,780
			Weighted Means: Band free	1.58	3.7	27.2	40.3	28.8			9,780
2(T)	207	1	48' 11 " - 50' 4 "		4.3	32.9	48.0	14.8	Af	Buff	11,800
	208	2	51' 5 1/2 " - 52' 4 1/2 "		4.0	34.4	50.2	11.4	Af	Buff	12,310
	209	3	52' 7 " - 54' 8 "		4.3	30.0	45.5	20.2	Af	Cream	11,020
			Weighted Means: Band free	4.32	4.2	31.7	47.10	16.80			11,600
			Banded	5.56	3.2	23.7	35.2	38.0			8,650

LOWER LIDDELL SEAM

LOWER LIDDELL SEAM

BMR Bore No	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Pond's Creek Area cont'd.											
15(T)R	1516	9	241' 10 $\frac{1}{2}$ " - 244' 6"		2.8	35.1	51.7	10.4	Cm	Buff	12.670
			Weighted Means: Band free	2.63	2.8	35.1	51.7	10.4			12.670

MIDDLE LIDDELL SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Parnell's Creek Area											
8(S)	2139	21	292' 5½" - 293' 9"		2.6	30.6	41.9	24.9	Aw	Cream	10,650
21(S)	3240	21	397' 6" - 399' 11"		2.6	34.1	48.7	14.6	Ar	Pink	12,250
	3241	22	400' 3" - 401' 5"		2.9	31.5	52.5	13.1	Ar	Pink	12,440
		Weighted Means:		Band free	3.54	2.7	32.5	49.8	14.1		12,300
				Banded	3.91	2.4	29.6	45.3	22.3		11,500
Farrell's Creek Area											
1 & 6(S)	3066	24	605' 2" - 606' 10"		2.3	34.0	45.9	17.8	Ar	Buff	11,810
	3067	25	607' 0½" - 609' 1"		2.5	31.2	49.5	16.8	Ar	Pink	11,940
		Weighted Means:		Band free	3.31	2.4	32.4	48.1	17.3		11,850
				Banded	3.94	2.0	27.1	40.4	30.6		9,950
2 & 3(S)	2942	27	470' 2" - 472' 2"		2.3	33.8	45.0	18.0	Cw	Pink	11,650
	2943	28	472' 7" - 474' 1"		2.2	31.6	48.4	17.8	Cw	Pink	11,840
		Weighted Means:		Band free	3.5	2.3	32.9	46.5	18.4		11,750
				Banded	3.92	1.9	29.4	41.7	27.3		10,450
Pond's Creek Area											
5(T)	675	9	159' 7" - 161' 9"		3.1	27.6	42.7	26.6	Nc	Pink	10,010
		Weighted Means:		Band free	2.83	3.1	27.6	42.7	26.6		10,010

UPPER LIDDELL SEAM											
BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
Parnell's Creek Area											
5(S)	1916	7	189' 11" - 192' 2"		3.7	32.8	53.9	9.6	Af	Buff	12,760
	1917	8	192' 2" - 194' 6"		3.8	36.3	51.9	8.0	Cw	Buff	13,070
	1918	9	194' 6" - 197' 10"		3.2	33.9	46.5	16.4	Cw	Pink	11,890
	Weighted Means:			Band free	7.91	2.7	34.3	50.3	12.0		12,500
6(S)	2000	18	440' 51 1/2" - 442' 4"		3.0	32.6	54.4	10.0	Af	Pink	12,890
	2001	19	442' 9 1/4" - 446' 1"		3.2	32.1	46.7	18.0	Af	Pink	11,550
	2002	20	446' 1" - 449' 1"		3.1	31.6	46.4	18.9	Cw	Pink	11,540
	Weighted Means:			Band free	7.85	3.1	31.9	47.8	16.9		11,770
			Banded	8.63	2.8	29.0	43.5	24.3			10,710
8(S) NOTE	2134	16	269' 3 1/2" - 270' 3 1/2"		3.6	34.6	49.8	12.0	Cm	Buff	12,570
	2135	17	272' 1" - 274' 0"		2.4	32.0	55.0	10.6	Cm	Pink	12,970
	2136	18	274' 0" - 275' 9"		2.8	37.7	53.8	5.7	Cm	Pink	13,670
	2137	19	275' 9" - 277' 6"		2.9	37.5	53.4	6.2	Cm	Cream	13,580
	2138	20	279' 4" - 280' 3 1/2"		2.8	38.0	50.7	8.5	Cm	Cream	13,210
	Weighted Means:			Band free	6.94	2.7	36.0	53.4	7.60		13,390
				Banded	8.21	2.0	26.9	39.8	32.70		9,970
9(S)	2146	1	64' 4" - 65' 9"		2.5	35.0	53.4	9.1	Af	Cream	13,080
	2147	2	65' 9" - 68' 1 1/2"		2.9	38.7	53.0	5.4	Cm	Grey	13,750
	Weighted Means:			Band free	3.78	2.7	37.10	52.2	6.7		13,690
10(S)	2159	8	228' 3" - 230' 0"		2.4	33.5	50.8	13.3	Cw	Cream	12,560
	2160	9	230' 0" - 233' 5"		2.6	34.9	49.7	12.8	Cm	Buff	12,690
	2161	10	233' 5" - 234' 5"		2.9	31.8	49.4	15.9	Cm	Pink	12,100
	2162	11	235' 2" - 236' 4"		2.4	31.6	46.8	19.2	Cw	Pink	11,600
	Weighted Means:			Band free	7.24	2.5	33.3	43.2	14.1		12,290
			Banded	8.08	2.3	29.8	38.7	23.0			11,010
11/13(S)	2392	6	144' 2 1/2" - 145' 6 1/2"		3.8	31.5	52.4	12.3	Af	Pink	12,420
	2393	7	145' 6 1/2" - 147' 9"		4.0	38.3	52.0	5.7	Cm	Buff	13,640
	2394	8	147' 9 3/8" - 149' 3 1/2"		4.3	37.9	53.0	4.8	Cm	Grey	13,730
	2395	9	149' 4 1/2" - 151' 0 1/2"		4.1	35.4	48.0	12.5	Cm	Pink	12,510
	Weighted Means:			Band free	6.6	4.0	35.5	51.0	8.3		13,040
			Banded	6.83	3.8	34.3	49.3	11.4			11,420

NOTE: "Sample 2134 not included in weighted means."

UPPER LIDDELL SEAM

UPPER LIDDELL SEAM											
BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
Parnell's Creek Area Cont.											
14(S)	2748	9	445' 2" - 446' 5"		2.5	31.9	53.8	11.8	Af	Pink	12,650
	2749	10	446' 5" - 448' 4"		2.4	31.8	51.6	14.2	Af	Pink	12,310
		Weighted Means:	Band free	3.17	2.4	31.9	52.4	13.2			12,440
16(S)	2599	17	249' 8" - 252' 8"		2.3	36.7	54.3	6.7	Cw	Buff	13,530
	2600	18	252' 8" - 255' 8"		2.7	36.2	51.1	10.0	Cw	Pink	12,910
	2601	19	255' 8" - 258' 6"		4.0	35.4	52.0	8.6	Cw	Cream	13,050
		Weighted Means:	Band free	8.83	3.0	36.1	52.5	8.4			13,170
17(S)	2692	22	413' 10" - 414' 5"		2.6	28.8	47.6	21.0	Af	Pink	11,460
	2693	23	414' 6 $\frac{1}{2}$ " - 416' 4"		2.5	36.8	54.4	6.3	Cm	Pink	13,880
	2694	24	416' 6" - 419' 11"		3.0	33.1	48.8	15.1	Cw	Grey	12,280
		Weighted Means:	Band free	5.78	3.0	34.4	49.3	12.9			12,670
			Banded	6.08	2.7	32.6	46.9	17.3			12,240
18(S)	2575	19	339' 6" - 340' 8 $\frac{1}{2}$ "		2.7	38.7	51.5	7.1	Cm	Buff	13,340
	2576	20	340' 8 $\frac{1}{2}$ " - 342' 11 $\frac{1}{2}$ "		3.8	32.1	55.1	7.0	Af	Pink	12,790
	2577	21	342' 11 $\frac{1}{2}$ " - 346' 3"		3.5	36.2	48.9	11.4	Cm	Buff	12,550
		Weighted Means:	Band free	6.75	3.4	36.0	50.5	10.1			12,730
19(S)	3280	12	235' 0" - 236' 6"		3.6	35.9	51.0	9.5	Cw	Cream	12,940
	3281	13	236' 6" - 239' 6"		3.7	38.6	51.9	5.8	Cw	Pink	13,440
	3282	14	239' 9 $\frac{1}{2}$ " - 240' 9 $\frac{1}{2}$ "		3.8	35.7	49.4	11.1	Cw	White	12,580
	3283	15	241' 0" - 243' 2 $\frac{1}{2}$ "		3.5	37.8	51.5	7.2	Cw	Buff	13,300
		Weighted Means:	Band free	7.50	3.5	37.5	51.3	7.6			12,980
			Banded	8.21	3.2	34.3	46.8	15.6			9,420
21(S)	3237	18	383' 4" - 386' 0"		2.8	36.2	54.4	6.6	Cm	Pink	13,590
	3238	19	386' 0" - 388' 7"		2.2	36.1	52.5	9.2	Cw	Pink	13,290
	3239	20	388' 7" - 389' 11"		3.0	34.5	53.6	8.9	Cm	Buff	13,120
		Weighted Means:	Band free	7.45	2.6	35.7	53.4	8.1			13,330
			Banded	9.58	1.8	24.6	36.7	36.8			9,170
22(S)	191	3	156' 0" - 160' 0"		3.5	31.5	55.5	9.5	Af	Pink	12,770
	192	4	160' 0" - 161' 5"		3.1	26.7	33.1	37.1	Nc	White	-
	193	5	161' 5" - 164' 6"		3.4	35.7	53.1	7.8	Cw	Buff	13,050
		Weighted Means:	Band free	8.50	3.4	32.3	50.9	13.4			10,770

UPPER LIDDELL SEAM

UPPER LIDDELL SEAM											
BMR	BMR										
Bore No.	Ref. No.	Sample No.	Depth	Thickness	H.M.	V.	F.C.	Ash	Coke	Ash	B.T.U.
				in feet	%	%	%	%	Nature	Colour	
Parnell's Creek Area Cont.											
20(T)	2374	1	70' 11" - 73' 0"		4.8	33.6	54.1	7.5	Af	Cream	12,980
	2375	2	73' 0" - 75' 6"		4.8	35.6	53.4	6.2	Cw	Cream	13,300
	2376	3	75' 6" - 77' 0"		4.4	35.2	51.1	9.3	Cw	Pink	12,890
	2377	4	77' 0" - 78' 7 $\frac{1}{2}$ "		4.5	36.3	50.2	9.0	Cm	Cream	12,970
		Weighted Means:	Band free	7.73	4.3	34.8	51.9	9.51			12,930
21(T)	2378	1	89' 8" - 91' 0"		3.4	32.9	53.0	10.7	Af	Cream	12,630
	2379	2	91' 0" - 93' 0"		3.6	37.0	53.5	5.9	Cm	Cream	13,570
	2380	3	93' 0" - 94' 10"		3.3	37.5	53.1	6.1	Cm	Pink	13,590
	2381	4	94' 10" - 96' 6"		3.5	35.4	50.1	11.0	Cw	Pink	12,770
		Weighted Means:	Band free	6.66	3.5	36.0	52.6	8.1			13,210
			Banded	6.83	3.4	35.0	51.2	10.3			12,900
25(T)	2758	1	106' 6" - 108' 6"		3.0	34.4	54.9	7.7	Af	Pink	12,970
	2759	2	108' 6" - 111' 2"		3.1	36.7	50.5	9.7	Cw	Pink	12,710
	2760	3	111' 2" - 112' 0"		2.8	36.0	49.2	12.0	Cw	Pink	12,420
		Weighted Means:	Band free	7.71	3.0	35.7	51.9	9.3			12,760
26(T)	2761	1	64' 8" - 66' 7"		3.2	31.7	47.8	17.3	Af	Cream	11,520
	2762	2	66' 7 $\frac{1}{2}$ " - 67' 9 $\frac{1}{2}$ "		3.5	32.7	53.0	10.8	Af	Pink	12,440
	2763	3	68' 3" - 69' 11 $\frac{1}{2}$ "		3.1	34.8	50.8	11.3	Cm	Cream	12,490
	2764	4	70' 11 $\frac{1}{2}$ " - 72' 2"		3.2	33.8	49.6	13.4	Cm	White	12,260
		Weighted Means:	Band free	6.65	3.2	33.3	50.0	13.5			12,140
			Banded	7.50	2.9	29.5	44.3	23.3			10,760
28(T)	2908	1	61' 2" - 62' 4"		2.7	32.5	54.8	10.0	Af	Pink	12,930
	2909	2	62' 4" - 65' 1"		2.7	37.5	54.3	5.5	Cw	Grey	13,680
	2910	3	65' 1" - 66' 4 $\frac{1}{2}$ "		2.8	36.4	52.7	8.1	Cm	Pink	13,340
	2911	4	66' 5" - 68' 6"		2.8	37.2	49.7	10.3	Cm	Pink	12,980
		Weighted Means:	Band free	7.29	2.7	36.0	55.9	7.9			13,160
35(T)	3403	7	123' 11" - 126' 2"		2.9	33.5	53.0	10.6	Af	Buff	12,800
	3404	8	126' 2" - 128' 2"		2.9	38.1	53.4	5.6	Cm	Buff	13,720
	3405	9	128' 2" - 129' 10"		2.7	34.7	50.5	12.1	Af	Pink	12,780
	3406	10	129' 10" - 131' 4"		3.1	36.0	49.3	11.6	Cw	Pink	12,700
		Weighted Means:	Band free	7.29	2.9	35.1	51.4	10.3			12,900

UPPER LIDDELL SEAM

U P P E R L I D D E L L S E A M

BMR Bore No.	Ref No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
Parnell's Creek Area Cont.											
39(T)	3353	1	36' 3" - 39' 0"		4.0	33.3	52.9	9.8	Af	Pink	12,430
	3354	2	39' 0" - 41' 9"		3.9	36.5	54.5	5.1	Cw	Pink	13,470
		Weighted Means:	Band free	5.5	3.9	34.9	53.7	7.4			12,950
56(T)	170	1	95' 2" - 97' 10"		3.1	32.9	56.1	7.9	Af	Pink	13,020
	171	2	98' 5" - 101' 2"		3.1	36.3	51.4	9.2	Cw	Brown	12,880
		Weighted Means:	Band free	6.17	3.10	34.6	53.7	8.50			12,950
58(T)	172	1	74' 1" - 76' 7"		3.5	33.6	55.4	7.5	Af	Buff	12,840
	173	2	76' 7" - 79' 1"		3.1	34.8	51.5	10.6	Cw	Brown	12,610
	174	3	79' 1" - 81' 7"		3.0	33.5	47.9	15.6	Af	Cream	11,700
		Weighted Means:	Band free	7.42	3.2	33.9	51.8	11.1			12,380
Farrell's Creek Area											
1 & 6(S)	3062	20	573' 2" - 574' 2"		2.3	37.6	53.4	6.7	Cm	Buff	13,730
	3063	21	576' 2" - 577' 9"		2.8	34.3	54.8	8.1	Af	Pink	13,190
	3064	22	577' 9" - 580' 0"		2.5	34.0	47.7	15.8	Cw	Pink	12,140
	3065	23	581' 6" - 583' 0"		2.6	34.1	49.2	14.1	Af	Pink	12,340
		Weighted Means:	Band free	9.00	2.70	32.5	52.1	12.3			12,800
			Banded	9.83	2.4	29.5	47.4	19.9			11,790
2 & 3(S)	2936	21	449' 11" - 451' 3"		2.1	39.0	53.2	5.7	Cm	Pink	13,830
	2937	22	451' 3" - 453' 0 $\frac{1}{2}$ "		2.3	34.8	53.2	9.7	Af	Pink	13,030
	2938	23	453' 0 $\frac{1}{2}$ " - 455' 2"		2.1	39.7	53.3	4.9	Cm	Pink	13,930
	2939	24	455' 2" - 457' 3 $\frac{1}{2}$ "		2.2	38.9	53.6	5.3	Cm	Pink	13,840
	2940	25	457' 8 $\frac{1}{2}$ " - 459' 2"		2.2	37.9	51.1	8.8	Cm	Pink	13,260
	2941	26	459' 4" - 460' 8"		2.2	38.2	53.5	6.1	Cm	Cream	13,660
		Weighted Means:	Band free	10.17	2.3	37.9	52.9	6.5			13,000
			Banded	10.62	2.2	36.1	50.2	10.4			12,850

UPPER LIDDELL SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
Pond's Creek Area											
1(S)R	498	4	229' 8" - 231' 7"		2.9	35.3	49.0	12.8	Cw	Pink	12,460
	499	5	231' 9" - 233' 11"		3.1	33.9	47.2	15.8	Cm	Brown	11,990
		Weighted Means:	Band free	4.09	2.9	34.6	47.9	14.4			12,210
			Banded	4.26	2.8	32.2	46.1	17.8			11,720
2(S)R	936	15	855' 3" - 857' 4"		3.1	25.4	39.2	32.3	Af	Pink	9,310
		Weighted Means:	Band free	6.50	3.1	25.4	39.2	32.3			9,310
			Banded	6.74	2.9	23.9	36.9	36.3			8,770
3(S)R-2	908	1	434' 6" - 437' 0"		3.5	35.6	54.2	6.7	Cm	White	13,270
	909	2	437' 0" - 438' 6"		3.8	31.7	50.4	14.1	Cm	White	12,150
		Weighted Means:	Band free	5.00	3.9	34.1	52.6	9.50			12,850
7(S)	110	4	202' 9 $\frac{1}{2}$ " - 206' 10 $\frac{1}{2}$ "		3.3	31.5	50.5	14.7	Af	Pink	12,000
		Weighted Means:	Band free	4.08	3.3	31.5	50.5	14.70			12,000
1(T)	522	1	80' 8 $\frac{1}{2}$ " - 83' 4"		3.9	34.9	51.7	9.5	Cw	Pink	12,640
	523	2	83' 4" - 85' 1"		3.7	34.4	47.5	14.4	Cw	Pink	11,940
	524	3	85' 1" - 86' 6"		3.7	33.3	51.2	11.8	Cw	Pink	12,300
		Weighted Means:	Band free	5.79	3.8	34.2	50.2	11.50			12,920
5(T)	672	6	145' 6" - 148' 7"		3.3	32.5	54.8	9.4	Cw	Pink	12,980
	673	7	148' 7" - 150' 10"		3.1	35.3	52.8	8.8	Cw	Pink	13,090
	674	8	150' 11 $\frac{1}{2}$ " - 152' 7"		3.1	30.6	43.6	22.7	Cw	Pink	10,980
		Weighted Means:	Band free	6.67	3.2	32.2	51.3	12.4			12,450
			Banded	7.08	3.0	31.0	47.2	17.5			11,730
8(T)	1010	2	123' 6" - 130' 0"		3.8b	33.7	49.5	13.0	Cw	White	12,230
		Weighted Means:	Band free	8.83	3.8	33.7	49.5	13.0			12,230
9(T)	1209	5n	207' 3" - 209' 3"		2.9	30.7	53.8	12.6	Cw	Buff	12,440
	1210	6	209' 3" - 211' 3"		3.1	35.6	55.2	3.1	Cm	Buff	13,440
	1211	7	211' 3" - 213' 10"		3.1	32.5	49.5	14.9	Cw	Pink	12,060
		Weighted Means:	Band free	6.58	3.0	32.9	52.7	11.7			12,410

UPPER LIDDELL SEAM

U P P E R L I D D E L L S E A M

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Colour	B.T.U.
Pond's Creek Area Cont.											
15(T)R	1513	6	208' 9" - 210' 0"		2.9	30.5	58.5	8.1	Af	Pink	12,990
	1514	7	210' 0" - 212' 0"		2.6	36.4	55.0	6.0	Cw	Buff	13,310
	1515	8	212' 0" - 213' 8"		3.1	31.7	49.6	15.6	Cw	White	11,650
		Weighted Means: Band free		4.86	2.90	33.2	53.8	9.90			12,600

ARTIE'S SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
Parnell's Creek Area											
5(S)	1910	1	111' 6" - 113' 6"		3.8	31.6	43.1	21.5	Cw	Pink	10,770
	1911	2	113' 6" - 116' 4"		3.3	36.5	47.3	12.9	Cw	Pink	12,200
	1912	3	116' 4" - 119' 2"		3.9	32.6	55.6	7.9	Ar	Pink	12,900
	1913	4	119' 6" - 122' 0"		4.0	34.1	47.6	14.3	Cw	Pink	11,910
	1914	5	122' 8" - 123' 11"		4.0	31.3	46.9	17.8	Ar	Pink	11,270
	1915	6	124' 8 $\frac{1}{2}$ " - 126' 0"		3.4	33.3	43.3	20.0	Ar	Pink	10,990
Weighted Means:				Band free	14.30	3.7	33.6	48.4	14.3		11,910
				Banded	16.83	3.1	27.7	39.9	29.4		9,810
6(S)	1995	13	369' 9 $\frac{1}{2}$ " - 371' 10 $\frac{1}{2}$ "		2.9	34.4	48.2	14.5	Cm	Pink	12,390
	1996	14	372' 8 $\frac{1}{2}$ " - 375' 3"		2.4	38.4	45.5	13.6	Cm	Pink	12,600
	1997	15	375' 3 $\frac{1}{2}$ " - 378' 6"		3.1	33.3	53.7	9.9	Cw	Pink	13,000
	1998	16	378' 9" - 380' 2"		3.0	35.6	49.6	11.8	Cw	Grey	12,730
	1999	17	384' 6" - 358' 10 $\frac{1}{2}$ "		3.3	36.9	50.7	9.1	Cm	Pink	13,080
Weighted Means:				Band free	10.20	2.9	35.40	49.80	11.90		12,750
				Banded	16.08	1.8	22.50	31.60	44.00		7,930
8(S)	2128	10	185' 4 $\frac{1}{2}$ " - 187' 3 $\frac{1}{2}$ "		3.3	33.7	43.4	19.6	Cm	Pink	11,390
	2129	11	188' 4 $\frac{1}{2}$ " - 191' 0"		3.0	35.1	49.3	12.6	Cm	Buff	12,570
	2130	12	191' 0" - 193' 8"		3.7	32.0	45.2	19.1	Cm	Buff	11,420
	2131	13	193' 10 $\frac{1}{2}$ " - 196' 0"		4.2	29.7	44.0	22.1	Ar	Pink	10,830
	2132	14	196' 5 $\frac{1}{2}$ " - 198' 4"		4.1	32.2	45.8	17.9	Cm	Pink	11,450
	2133	15	198' 9 $\frac{1}{2}$ " - 201' 6"		3.8	33.1	45.9	17.2	Cm	Pink	11,610
Weighted Means:				Band free	13.33	3.70	32.70	46.40	17.70		11,600
				Banded	16.10	3.0	27.10	38.50	31.90		9,600

ARTIE'S SEAM

ARTIE'S SEAM

BMR Bore No	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	E. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Parnell's Ck. Area cont'd.											
10(S)	2155	4	174' 8 $\frac{1}{4}$ " - 176' 10 $\frac{1}{2}$ "		2.3	32.5	49.8	15.4	Af	Buff	12,180
	2156	5	177' 7" - 178' 10"		2.6	34.6	50.5	12.3	Cw	Buff	12,680
	2157	6	180' 4 $\frac{1}{2}$ " - 181' 2"		2.6	33.5	48.7	15.2	Cw	Cream	12,250
	2158	7	181' 4 $\frac{1}{2}$ " - 182' 5 $\frac{1}{2}$ "		2.7	30.6	48.0	18.7	Cm	Cream	12,710
	Weighted Means:			Band free	5.53	2.6	32.9	49.5	15.1		12,400
			Banded		7.73	1.8	23.5	35.2	39.5		8,750
11/13(S)	2387	1	68' 0" - 69' 1 $\frac{1}{2}$ "		3.8	36.3	47.1	12.8	Cw	Cream	12,460
	2388	2	70' 2" - 72' 0"		3.6	36.3	45.7	14.4	Cw	Buff	12,250
	2389	3	72' 0" - 73' 8"		4.1	31.3	52.3	12.3	Af	Pink	12,230
	2390	4	81' 9 $\frac{1}{2}$ " - 83' 10 $\frac{1}{2}$ "		4.8	33.4	49.5	12.3	Cw	Pink	12,380
	2391	5	84' 7" - 86' 11 $\frac{1}{2}$ "		4.6	34.6	49.0	11.8	Cw	Cream	12,490
	Weighted Means:			Band free	8.79	4.2	34.2	48.6	12.7		11,530
			Banded		15.26	2.4	19.7	28.0	49.8		6,640

ARTIE'S SEAM

ARTIE'S SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Colour	B.T.U.
Parnell's Creek Area Cont.											
14(S)	2744	5	364' 7 $\frac{1}{2}$ "	- 366' 10"	2.4	33.7	45.7	18.2	Cw	Pink	11,740
	2745	6	367' 3"	- 369' 0"	2.3	34.9	52.1	10.7	Af	Pink	12,790
	2746	7	369' 0"	- 371' 4"	2.6	36.6	53.9	6.9	Cw	Pink	13,480
	2747	8	371' 8"	- 372' 8"	2.4	32.4	47.7	17.5	Aw	Pink	11,770
Weighted Means:				Band free	6.78	2.40	35.10	50.60			12,640
				Banded	10.48	1.60	22.70	32.70			8,170
16(S)	2590	8	172' 9"	- 173' 6 $\frac{1}{2}$ "	2.3	36.5	48.2	13.0	Cw	Pink	12,400
	2591	9	173' 6 $\frac{1}{2}$ "	- 175' 1 $\frac{1}{2}$ "	3.2	38.4	50.3	8.1	Cm	Pink	13,110
	2592	10	176' 8 $\frac{1}{4}$ "	- 178' 10 $\frac{3}{4}$ "	2.3	38.0	48.2	11.5	Cw	Pink	12,720
	2593	11	178' 11"	- 180' 8"	2.8	32.5	54.3	10.4	Af	Pink	12,800
	2594	12	182' 1 $\frac{1}{2}$ "	- 183' 11 $\frac{3}{4}$ "	2.6	39.3	52.6	5.5	Cm	Pink	13,690
	2595	13	184' 1"	- 186' 2"	2.9	33.0	47.5	16.6	Af	Cream	11,830
	2596	14	186' 4"	- 187' 6"	3.2	34.8	52.5	9.5	Cw	Cream	12,860
	2597	15	189' 0 $\frac{3}{4}$ "	- 190' 0 $\frac{1}{4}$ "	3.3	29.8	43.7	23.2	Af	Pink	10,490
	2598	16	190' 3"	- 191' 4 $\frac{1}{2}$ "	2.8	34.6	51.1	11.5	Cw	Buff	12,680
Weighted Means:				Band free	15.56	2.8	35.70	50.30			12,670
				Banded	19.29	2.5	31.80	44.80			11,280
17(S)	2689	19	368' 10"	- 370' 5 $\frac{1}{2}$ "	3.0	33.2	49.5	14.3	Cw	Pink	12,500
	2690	20	370' 9 $\frac{1}{2}$ "	- 372' 1 $\frac{1}{2}$ "	3.2	32.1	51.1	13.6	Af	White	12,500
	2691	21	372' 2"	- 373' 8"	2.9	30.0	46.4	20.7	Af	White	11,260
Weighted Means:				Band free	3.96	3.0	31.9	49.1			12,140
				Banded	4.90	2.5	25.7	39.8			9,790
18(S)	2568	12	253' 8"	- 256' 6"	2.8	35.5	55.5	6.2	Cw	Cream	13,470
	2569	13	256' 6"	- 257' 7"	2.7	37.7	51.1	8.5	Cw	Cream	13,130
	2570	14	259' 1 $\frac{1}{2}$ "	- 260' 1"	2.6	31.2	50.2	16.0	Af	Grey	11,930
	2571	15	260' 3 $\frac{3}{4}$ "	- 261' 3"	2.8	36.8	52.5	7.9	Cw	Cream	13,210
	2572	16	261' 9"	- 263' 5 $\frac{1}{2}$ "	2.5	31.8	46.4	19.3	Af	Pink	11,450
	2573	17	263' 7 $\frac{1}{2}$ "	- 265' 3 $\frac{3}{4}$ "	2.6	35.4	50.1	11.9	Cm	Cream	12,680
	2574	18	265' 4 $\frac{1}{2}$ "	- 266' 1 $\frac{1}{4}$ "	2.9	31.2	46.9	19.0	Af	Cream	11,430
Weighted Means:				Band free	9.31	2.7	34.0	51.5			12,720
				Banded	11.37	2.2	27.9	42.2			10,420

ARTIE'S SEAM

ARTIE'S SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
Parnell's Creek Area Cont.											
19(S)	3273	5	150' 6" - 152' 9"		3.5	37.5	48.0	11.0	Cw	White	12,730
	3274	6	154' 0" - 155' 5 $\frac{1}{2}$ "		3.1	37.3	49.1	10.5	Cw	White	13,020
	3275	7	155' 7 $\frac{1}{2}$ " - 157' 8 $\frac{1}{2}$ "		3.3	32.7	51.7	12.3	Af	Pink	12,580
	3276	8	157' 11 $\frac{1}{2}$ " - 160' 1"		3.4	34.4	51.8	10.4	Cw	Buff	12,850
	3277	9	162' 3" - 163' 3 $\frac{1}{2}$ "		3.7	32.9	50.0	13.4	Af	Pink	12,270
	3278	10	164' 0 $\frac{1}{2}$ " - 165' 3 $\frac{1}{2}$ "		3.8	33.8	52.6	9.8	Cw	Cream	12,790
	3279	11	166' 2 $\frac{1}{2}$ " - 168' 3"		3.9	32.5	50.3	13.3	Cw	White	12,250
	Weighted Means:		Band free	12.0	3.5	34.3	50.1	11.4			12,550
			Banded	17.75	2.4	23.8	33.8	40.1			8,490
21(S)	3232	13	325' 9" - 327' 7"		2.6	34.3	51.8	11.3	Af	Pink	12,680
	3233	14	328' 0" - 331' 0"		2.9	33.7	55.8	7.6	Cw	Pink	13,340
	3234	15	331' 10" - 334' 4"		3.0	32.9	53.2	10.9	Cw	Cream	12,830
	3235	16	335' 11" - 338' 8"		3.0	29.4	45.0	22.6	Af	Pink	10,830
	3236	17	338' 8" - 341' 2"		3.2	31.0	49.5	16.3	Af	Pink	11,760
	Weighted Means:		Band free	12.32	2.8	32.3	51.2	13.8			12,300
			Banded	15.49	2.4	25.7	40.6	31.4			9,760
23(S)	130	15	458' 0" - 461' 7"		3.2	36.9	47.5	12.4	Cm	Grey	12,570
	131	16	461' 11 $\frac{1}{2}$ " - 463' 11"		3.4	37.8	50.6	8.2	Cw	Grey	13,070
	132	17	466' 4" - 467' 4 $\frac{1}{2}$ "		3.3	36.8	47.9	12.0	Cw	Buff	12,610
	133	18	467' 6" - 469' 11"		3.4	32.7	53.6	10.3	Af	Pink	12,780
	134	19	469' 11" - 472' 4"		3.6	38.6	52.8	5.0	Cw	Buff	13,710
	135	20	472' 10 $\frac{1}{2}$ " - 474' 11 $\frac{1}{2}$ "		3.7	32.2	51.5	12.6	Af	Cream	12,390
	136	21	475' 9 $\frac{1}{2}$ " - 476' 7"		4.3	33.6	49.5	12.6	Cw	Cream	12,460
	137	22	476' 11" - 478' 7 $\frac{1}{2}$ "		4.0	35.4	52.8	7.8	Cw	Grey	13,230
	138	23	478' 9 $\frac{1}{2}$ " - 480' 2"		3.5	33.1	45.9	17.5	Cw	Pink	11,520
	Weighted Means:		Band free	17.35	3.6	33.9	50.5	11.1			12,750
			Banded	23.07	2.7	25.2	37.9	33.1			9,590
24(S)	1495	9	227' 10" - 229' 0"		2.0	38.4	49.7	9.9	Cm	Pink	13,310
	1496	10	229' 10" - 230' 11 $\frac{1}{2}$ "		2.0	31.8	54.0	12.2	Af	Grey	12,780
	1497	11	230' 11 $\frac{1}{2}$ " - 233' 2"		2.0	36.6	55.4	6.0	Cm	Grey	13,890
	1498	12	233' 3 $\frac{1}{2}$ " - 236' 1"		2.4	35.3	50.9	11.4	Cm	Pink	12,930
	1499	13	237' 6" - 239' 9"		2.2	34.8	51.5	11.5	Cm	White	12,940
	Weighted Means:		Band free	10.63	2.1	35.1	52.4	10.3			13,110
			Banded	11.92	1.9	31.3	46.8	20.0			11,700

ARTIE'S SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Colour	B.Th.U
25(S)	1314	5	140' 4 $\frac{1}{2}$ " - 142' 0"		3.8	31.3	50.7	14.2	Cw	Grey	12,070
	1315	6	142' 0" - 143' 10"		3.7	26.5	55.7	14.1	Aw	Grey	11,860
	1316	7	144' 10" - 146' 9"		3.9	27.6	56.8	11.7	Aw	Pink	12,170
	1317	8	146' 9" - 149' 9"		3.7	30.5	55.2	10.6	Cw	Pink	12,700
	1318	9	149' 9" - 152' 8"		3.5	28.9	53.5	14.1	Aw	Pink	11,930
	1319	10	152' 8" - 154' 9"		3.5	29.6	56.6	10.3	Cw	Pink	12,780
		Weighted Means:	Band free	13.20	3.6	28.8	54.6	11.6			11,120
			Banded	14.37	3.4	26.7	49.9	18.8			10,370
26(S)	1320	1	104' 10" - 107' 4"		3.0	25.0	61.8	10.2	Af	Pink	12,860
	1321	2	107' 4" - 109' 4"		2.8	31.7	60.0	5.5	Cm	Pink	13,590
	1322	3	110' 2 $\frac{1}{2}$ " - 111' 5 $\frac{1}{2}$ "		2.8	28.5	58.9	9.8	Cw	Pink	12,970
	1323	4	111' 10" - 114' 4"		2.6	30.1	60.3	7.0	Cw	Pink	13,410
	1324	5	114' 4" - 116' 10"		2.6	32.1	58.8	6.5	Cm	Pink	13,470
	1325	6	116' 10" - 118' 11"		2.7	31.7	59.3	6.3	Cw	Pink	13,490
	1326	7	119' 4" - 120' 10"		2.7	32.4	60.8	4.1	Cm	Pink	13,860
	1327	8	121' 0" - 122' 2"		2.5	31.5	57.6	8.4	Cm	Pink	13,200
	1328	9	122' 6 $\frac{1}{2}$ " - 124' 10 $\frac{1}{2}$ "		2.7	31.6	57.8	7.9	Cw	Pink	13,250
	1329	10	130' 8 $\frac{1}{2}$ " - 132' 3"		2.5	31.0	61.0	5.5	Cw	Pink	13,640
	1330	11	132' 3" - 134' 1 $\frac{1}{2}$ "		3.2	31.9	55.9	9.0	Cw	Pink	12,810
		Weighted Means:	Band free	21.33	2.8	29.5	59.7	7.40			13,250
			Banded	28.54	2.0	21.1	52.6	24.3			12,300
27(T)	2768	1	98' 2" - 99' 5"		2.5	37.5	48.4	11.6	Cw	Pink	12,950
	2769	2	99' 5" - 101' 2 $\frac{1}{2}$ "		2.7	33.9	56.2	7.2	Af	Pink	13,420
	2770	3	101' 7 $\frac{1}{4}$ " - 102' 11 $\frac{1}{4}$ "		2.7	33.1	47.4	16.8	Af	White	11,990
		Weighted Means:	Band free	4.41	2.6	34.7	51.2	11.4			12,840
			Banded	4.81	2.4	31.8	47.0	18.8			11,770
31(T)	3243	1	88' 4 $\frac{1}{2}$ " - 89' 4 $\frac{1}{2}$ "		3.0	37.6	51.2	8.2	Cw	Buff	13,230
	3244	2	89' 4 $\frac{1}{2}$ " - 90' 10"		3.3	37.8	51.6	7.3	Cw	Pink	13,220
	3245	3	92' 10" - 93' 11"		2.6	37.6	45.7	14.1	Af	Pink	12,300
	3246	4	93' 11 $\frac{1}{2}$ " - 96' 0"		2.9	33.0	54.6	9.5	Af	Grey	12,890
	3247	5	96' 0" - 97' 10"		2.8	38.4	51.8	7.0	Cw	Grey	13,400
	3248	6	98' 2 $\frac{1}{2}$ " - 99' 6 $\frac{1}{4}$ "		3.4	31.3	48.8	16.5	Af	Grey	11,700
	3249	7	99' 6 $\frac{1}{2}$ " - 100' 7"		3.3	33.7	50.1	12.9	Af	Pink	12,230
	3250	8	101' 0 $\frac{1}{2}$ " - 101' 10 $\frac{1}{2}$ "		3.2	33.6	53.0	10.2	Af	Grey	12,650
	3251	9	103' 1 $\frac{1}{2}$ " - 105' 0"		3.1	31.7	43.8	21.4	Af	Pink	11,000
	3252	10	105' 1" - 106' 4"		3.4	34.1	52.5	10.0	Cw	Pink	12,760
		Weighted Means:	Band free	14.13	3.1	34.7	50.2	11.7			12,470
			Banded	19.84	2.3	25.5	36.7	35.1			9,120

ARTIE'S SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U
<u>Parnell's Creek Area Cont.</u>											
32(T)	3378	1	35' 6" - 37' 9"		11.9	31.2	41.1	15.8	Nn	White	7,640
	3379	2	37' 10" - 39' 0"		12.8	29.7	47.6	9.9	Nn	White	8,480
	3380	3	39' 10" - 41' 8"		13.5	32.1	46.7	7.7	Nn	Buff	8,290
	3381	4	42' 1 $\frac{1}{2}$ " - 43' 9"		12.3	29.8	43.3	14.6	Nn	Pink	7,840
	3382	5	44' 3" - 45' 9"		10.3	29.1	46.1	14.5	Nn	Buff	8,370
	3383	6	45' 11" - 47' 11"		8.1	28.5	50.1	13.3	Nn	Pink	10,110
		Weighted Means:	Band free	10.77	11.8	30.3	45.6	12.4			8,730
			Banded	12.42	10.9	26.9	40.5	21.3			7,630
33(T)	3384	1	95' 1 $\frac{3}{4}$ " - 97' 4 $\frac{1}{2}$ "		3.4	37.9	49.6	9.1	Cw	Grey	12,930
	3385	2	100' 2" - 102' 6 $\frac{1}{2}$ "		3.2	32.8	53.3	10.7	Af	Pink	12,770
	3386	3	102' 7" - 104' 4 $\frac{1}{2}$ "		3.5	37.5	50.6	8.4	Cw	Pink	13,020
	3387	4	104' 6 $\frac{1}{2}$ " - 106' 0 $\frac{1}{2}$ "		3.4	30.5	46.5	19.6	Af	Pink	11,320
	3388	5	106' 1 $\frac{1}{2}$ " - 107' 3"		3.6	33.1	49.7	13.6	Af	Pink	12,170
	3389	6	107' 7 $\frac{1}{2}$ " - 108' 9"		3.3	31.8	49.7	15.2	Af	Pink	11,900
	3390	7	110' 2" - 112' 4"		3.9	33.6	48.8	13.7	Cw	Pink	12,140
		Weighted Means:	Band free	12.06	3.4	33.6	48.9	12.4			12,120
			Banded	17.19	2.4	23.9	34.9	37.8			8,590
34(T)	3391	1	103' 5 $\frac{1}{2}$ " - 104' 10"		3.5	35.3	48.1	13.1	Af	Pink	12,420
	3392	2	105' 1 $\frac{1}{2}$ " - 106' 0"		3.1	37.2	48.4	11.3	Cw	Buff	12,840
	3393	3	106' 0" - 108' 2 $\frac{1}{2}$ "		3.3	30.7	55.8	10.2	Cw	Cream	12,970
	3394	4	108' 2 $\frac{1}{2}$ " - 109' 10"		3.5	37.8	53.9	4.8	Cw	Buff	13,690
	3395	5	109' 10" - 113' 1"		3.5	34.9	49.4	12.2	Cw	Cream	12,560
	3396	6	115' 3" - 119' 1 $\frac{1}{2}$ "		3.2	35.2	49.0	12.6	Cw	Buff	12,630
		Weighted Means:	Band free	13.46	3.4	35.2	50.6	11.2			12,870
			Banded	15.68	2.9	29.7	43.3	24.1			11,030
35(T)	3397	1	51' 2" - 54' 0 $\frac{1}{2}$ "		3.2	34.7	46.5	15.6	Af	Pink	11,830
	3398	2	57' 5" - 60' 2"		3.2	32.4	54.5	9.9	Af	Pink	12,760
	3399	3	60' 2" - 62' 10"		3.4	34.0	49.6	13.0	Af	Pink	12,200
	3400	4	63' 2" - 64' 5"		3.6	34.2	52.5	9.7	Af	Cream	12,580
	3401	5	64' 9" - 66' 2 $\frac{1}{2}$ "		3.2	33.3	51.3	12.2	Af	Buff	12,360
	3402	6	66' 8" - 68' 2"		3.3	32.0	46.3	18.4	Af	Pink	11,310
		Weighted Means:	Band free	12.87	3.3	31.8	50.8	13.2			12,100
			Banded	17.00	2.5	25.3	37.9	33.3			9,200

ARTIE'S SEAM

ARTIE'S SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Parnell's Creek Area Cont.											
37 (T)	3341	1	48' 1" - 50' 1 $\frac{3}{4}$ "		4.5	34.6	50.8	10.1	Cw	Pink	12,450
	3342	2	51' 2 $\frac{1}{2}$ " - 53' 7"		4.5	35.4	48.6	11.5	Af	Pink	12,070
	3343	3	53' 8" - 56' 7"		4.5	31.7	55.0	8.8	Af	Pink	12,600
	3344	4	57' 1" - 58' 1 $\frac{1}{2}$ "		3.8	28.5	46.9	20.8	Af	Pink	11,020
	3345	5	58' 3" - 59' 2"		3.8	33.2	49.6	13.4	Af	Cream	12,150
	3346	6	59' 6 $\frac{1}{2}$ " - 61' 4"		4.0	32.9	53.2	9.9	Cw	Pink	12,750
	3347	7	61' 9" - 63' 7 $\frac{1}{2}$ "		3.8	33.6	53.6	9.0	Cw	Cream	12,910
Weighted Means:				Band free	12.69	4.3	32.8	51.5	11.5		12,350
				Banded	15.58	3.4	27.0	42.2	27.2		10,080
51 (T)	162	1	39' 2 $\frac{1}{2}$ " - 41' 0"		8.3	30.2	52.7	8.8	Nn	Brown	10,730
	163	2	41' 0" - 43' 4"		4.5	35.6	52.7	7.2	Af	Buff	11,820
	164	3	43' 9" - 45' 6"		3.2	31.3	50.5	15.0	Af	Pink	11,330
	165	4	45' 6" - 46' 6"		3.2	33.8	54.0	9.0	Cw	Cream	12,160
	166	5	46' 11" - 48' 8"		3.0	30.8	45.2	21.0	Af	Pink	10,480
	167	6	49' 3 $\frac{1}{2}$ " - 50' 3"		3.1	32.3	47.0	17.6	Cw	Pink	11,250
Weighted Means:				Band free	10.33	4.4	31.8	49.3	14.0		10,750
				Banded	11.04	4.1	30.0	47.2	18.5		10,300
75 (T)	1005	1	103' 5 $\frac{1}{2}$ " - 106' 0"		3.8	36.0	48.4	11.8	Cm	Pink	12,420
	1006	2	106' 0" - 108' 0"		3.4	36.2	47.2	13.2	Cm	Pink	12,330
	1007	3	108' 0" - 110' 11"		3.7	37.8	51.9	6.6	Cm	Cream	13,310
	1008	4	111' 11 $\frac{1}{2}$ " - 114' 6"		4.2	35.3	50.4	10.1	Cm	Cream	12,660
Weighted Means:				Band free	9.91	3.8	35.9	49.7	10.2		12,730
				Banded	11.04	3.4	32.2	44.7	19.4		11,460
Farrell's Creek Area											
2 & 3 (S)	2931	16	364' 0" - 365' 3"		2.4	35.8	48.0	13.8	Cm	Pink	12,390
	2932	Excluded from weighted means			see Table 1						
	2933	18	366' 6" - 368' 9"		2.2	35.3	50.6	11.9	Af	Pink	12,700
	2934	19	369' 11" - 372' 7"		2.4	38.3	53.4	5.9	Cw	Pink	13,660
	2935	20	373' 2" - 375' 6"		2.5	31.9	48.2	17.4	Af	Pink	11,850
Weighted Means:				Band free	15.42	2.4	35.2	50.4	11.7		12,750
				Banded	19.0	1.9	28.7	40.8	28.3		10,320

ARTIE'S SEAM

ARTIE'S SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Farrell's Creek Area Cont.											
1 & 6(S)	3060 3061	18	496' 0" - 497' 3"		2.8	30.6	46.4	20.2	Aw	Pink	11,090
		19	497' 3½" - 498' 9½"		1.8	30.9	47.3	20.0	Aw	Pink	11,340
		Weighted Means:		Band free	6.42	2.3	30.7	46.8	20.1		11,200
				Banded	8.04	1.8	24.2	37.4	36.2		8,790
7(S)	3265 3266 3267 3268	13	454' 1" - 456' 5"		3.4	32.0	51.7	12.9	Aw	Pink	12,440
		14	456' 5½" - 457' 10"		3.6	33.5	52.9	10.0	Cw	Pink	12,940
		15	458' 6" - 460' 9"		3.7	28.8	43.5	24.0	Aw	Pink	10,690
		16	460' 10½" - 463' 4"		3.6	33.0	52.2	11.2	Cw	Pink	12,780
		Weighted Means:		Band free	8.29	3.6	31.6	49.6	14.9		12,100
		Banded	9.25	3.2	28.3	44.4	23.7		10,800		
Pond's Creek Area.											
1(S)R	497	3	171' 9½" - 174' 0"		3.2	28.2	37.9	30.7	Aw	Pink	9,440
		Weighted Means:		Band free	3.25	3.2	28.2	37.9	30.7		9,440
				Banded	3.79	2.7	24.1	32.5	40.4		8,090
4(S)	900 901	14	510' 7" - 512' 0"		2.6	19.8	64.3	13.3	Nc	Pink	12,530
		15	512' 0" - 513' 4"		2.5	23.7	63.8	10.0	Nc	Pink	13,040
		Weighted Means:		Band free	4.00	2.6	21.7	64.0	11.7		12,800
8(S)	1004	5	249' 10" - 252' 11"		4.3	35.0	55.0	5.7	Cm	Cream	13,270
		Weighted Means:		Band free	3.58	4.3	35.0	55.0	5.7		13,270
				Banded	3.75	4.1	33.4	52.9	9.2		12,700

ARTIE'S SEAM.

ARTIE'S SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Pond's Creek Area											
2(S)R	930	9	773' 9" - 776' 1"		2.6	35.4	48.3	13.7	Cw	Buff	12,460
	931	10	776' 1" - 778' 5"		2.7	29.1	57.7	10.5	Cw	Pink	12,730
	932	11	778' 5" - 780' 10"		2.8	33.9	57.0	6.3	Cm	Buff	13,460
	933	12	781' 1 $\frac{1}{2}$ " - 784' 11 $\frac{1}{2}$ "		2.8	35.5	53.6	8.1	Cm	Buff	13,180
	934	13	784' 1 $\frac{1}{2}$ " - 787' 1 $\frac{1}{2}$ "		3.0	29.9	44.1	23.0	Af	Buff	10,800
	935	14	787' 7 $\frac{1}{2}$ " - 790' 1"		2.6	21.3	49.9	26.2	Nn	Pink	10,250
	Weighted Means:			Band free	15.2	2.8	31.1	51.6	14.5		
3(S)	533	9	390' 0" - 391' 0"		3.0	34.5	49.3	13.2	Cw	Pink	12,230
	534	10	392' 0" - 395' 11"		3.3	33.1	48.2	15.4	Cw	Pink	11,860
	Weighted Means:			Band free	6.50	3.2	33.4	48.6	15.0		11,950
				Banded	7.50	2.8	28.9	41.9	26.3		10,350
7(S)	108	2	144' 10" - 149' 9"		2.9	34.6	51.1	11.4	Cw	White	12,500
	109	3	153' 4 $\frac{1}{2}$ " - 154' 9 $\frac{1}{2}$ "		3.5	27.5	43.4	25.6	Aw	White	10,360
	Weighted Means:			Band free	10.75	3.2	33.2	49.0	14.3		12,080
				Banded	12.33	2.4	26.9	40.0	30.4		9,760
5(T)	668	2	87' 8 $\frac{3}{4}$ " - 90' 4 $\frac{3}{4}$ "		3.1	33.3	47.5	16.1	Cw	Pink	11,950
	669	3	90' 4 $\frac{3}{4}$ " - 93' 2"		3.7	31.5	57.5	7.3	Cw	Pink	13,250
	670	4	93' 4 $\frac{1}{2}$ " - 95' 2"		3.5	32.9	47.5	16.1	Cw	Pink	11,900
	671	5	96' 9" - 97' 11 $\frac{1}{2}$ "		3.3	26.3	36.2	34.2	Nc	Pink	8,710
	Weighted Means:			Band free	7.90	3.1	31.9	49.1	15.4		
6(T)	850	1	144' 6" - 148' 0"		3.6	30.0	47.5	18.9	Af	Pink	11,120
	851	2	148' 0" - 151' 7"		3.4	34.3	45.3	17.0	Cw	Pink	11,430
	Weighted Means:			Band free	10.54	3.5	30.6	46.4	18.0		10,770
				Banded	12.42	2.9	25.3	38.4	32.0		8,940
8(T)	853	2	146' 3 $\frac{1}{2}$ " - 149' 3 $\frac{1}{2}$ "		3.4	33.4	53.4	9.8	Cw	Pink	12,600
	854	3	149' 3 $\frac{1}{2}$ " - 152' 2"		3.6	33.5	49.4	13.5	Cm	Pink	12,040
	Weighted Means:			Band free	5.87	3.5	33.5	51.4	11.6		

ARTIE'S SEAM

ARTIE'S SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Pond's Ck. Area cont'd.											
8(T)	1009	1	48' 7" - 49' 9"		4.1	30.6	46.6	18.7	Cw	White	11,270
		Weighted Means:	Band free	3.17	4.1	30.6	46.6	18.7			11,270
8(T)R	1011	1	48' 7" - 50' 6"		4.4	32.3	49.1	14.2	Cm	White	11,970
	1012	2	50' 10 $\frac{1}{2}$ " - 52' 10"		3.7	33.8	47.1	15.4	Cw	White	11,900
	1013	3	52' 10" - 54' 10"		4.0	30.4	53.5	12.1	Ar	Cream	12,390
	1014	4	54' 10" - 57' 0"		3.8	35.4	50.9	9.9	Cm	Pink	12,760
		Weighted Means:	Band free	8.05	3.9	33.3	50.5	12.9			12,350
			Banded	9.0	3.5	29.6	44.9	22.0			10,970
9(T)	1205	1	146' 6" - 149' 4"		3.1	32.8	50.3	13.8	Cw	Pink	12,210
	1206	2	149' 7 $\frac{1}{2}$ " - 152' 0 $\frac{1}{2}$ "		3.0	30.1	45.8	21.1	Cw	Pink	11,160
	1207	3	152' 6 $\frac{3}{8}$ " - 154' 1 $\frac{1}{2}$ "		3.1	31.9	49.3	15.7	Cw	Buff	11,940
	1208	4	154' 3 $\frac{1}{2}$ " - 155' 8"		3.2	30.8	46.5	19.5	Cw	Buff	11,280
		Weighted Means:	Band free	7.99	3.1	31.3	47.9	17.4			11,630
			Banded	9.17	2.7	27.2	41.7	27.7			10,130
15(T)	1516	9	241' 10 $\frac{1}{2}$ " - 244' 6"		2.8	35.1	51.7	10.4	Cm	Buff	12,670
		Weighted Means:	Band free	8.74	3.9	32.2	52.7	11.2			12,600
			Banded	9.99	3.4	28.2	46.1	22.3			11,000
15(T)R	1508	1	106' 6" - 109' 0"		2.5	34.6	49.8	13.1	Cw	Cream	12,260
	1509	2	109' 0" - 110' 0"		3.0	32.9	55.5	8.6	Cw	Buff	12,850
	1510	3	110' 0" - 111' 10"		2.9	35.7	49.9	11.5	Cm	Buff	12,470
	1511	4	112' 2" - 114' 8"		2.9	33.0	50.4	13.7	Cw	Buff	12,130
	1512	5	115' 5" - 117' 4"		3.1	33.6	49.4	13.9	CW	Buff	12,050
		Weighted Means:	Band free	9.75	2.8	34.0	50.4	13.0			12,290
			Banded	10.83	2.6	30.6	45.4	20.8			11,060

MIDDLE ARTIE'S SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Parnell's Creek Area											
22(S)	189	1	102' 5" - 103' 8"		2.4	37.8	49.4	10.4	Cw	Grey	12,890
	190	2	103' 8" - 105' 9½"		3.4	30.0	53.9	12.7	Af	Buff	12,280
		Weighted Means: Band free		4.71	3.0	32.9	52.2	11.8			12,500
Farrell's Creek Area											
1 & 6(S)	3058	16	440' 2" - 442' 0"		2.4	33.3	56.6	7.7	Af	Pink	13,310
	3059	17	442' 0" - 443' 11"		2.5	35.6	57.1	4.8	Cw	Pink	13,880
		Weighted Means: Band free		3.75	2.4	34.5	56.8	6.3			13,590
7(S)	3263	11	445' 7" - 448' 2"		2.7	32.6	53.5	11.2	Af	Pink	12,630
	3264	12	448' 2" - 450' 9"		3.8	37.5	54.3	5.4	Cm	Buff	13,700
		Weighted Means: Band free		5.20	2.7	35.1	53.9	8.3			13,260
Pond's Creek Area											
1(S)	2756	7	374' 11" - 376' 5"		2.5	29.3	42.1	26.1	Af	Cream	10,420
	2757	8	376' 5" - 379' 3½"		2.5	32.2	48.5	16.8	Cw	Pink	11,810
		Weighted Means: Band free		4.37	2.5	31.2	46.3	20.0			11,320
4(S)	899	13	491' 11" - 494' 8"		2.8	24.3	62.7	10.2	Aw	Pink	12,990
		Weighted Means: Band free		2.54	2.8	24.3	62.7	10.2			12,990
		Banded		2.75	2.6	22.4	57.9	17.10			12,000

MIDDLE ARTIE'S SEAM.

U P P E R A R T I E ' S S E A M

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Parnell's Creek Area,											
10(S)	2152	1	128' 10 $\frac{1}{2}$ " - 130' 8 $\frac{1}{2}$ "		2.5	34.7	47.8	15.0	Cw	Pink	12,280
	2153	2	131' 3" - 133' 2 $\frac{1}{2}$ "		2.4	37.7	49.2	10.7	Cm	Pink	12,940
	2154	3	133' 2" - 136' 2"		2.4	34.5	56.4	6.7	Cw	Pink	13,530
		Weighted Means:	Band free	9.75	2.4	35.3	52.0	10.3			13,000
			Banded	10.29	2.2	33.6	49.4	14.8			12,350
17(S)	2683	13	333' 0 $\frac{1}{2}$ " - 333' 8 $\frac{1}{2}$ "		3.0	35.9	54.0	7.1	Cm	Grey	12,410
	2684	14	333' 8 $\frac{1}{2}$ " - 334' 6"		2.5	33.0	48.3	16.2	Af	Pink	12,090
	2685	15	334' 6" - 335' 5 $\frac{1}{2}$ "		2.9	29.3	57.9	9.9	Af	Pink	12,980
	2686	16	335' 5 $\frac{1}{2}$ " - 338' 3"		2.7	35.2	49.5	12.6	Cm	Pink	12,800
	2687	17	338' 6" - 339' 10 $\frac{1}{4}$ "		2.9	34.9	49.7	12.5	Cw	Pink	12,770
	2688	18	339' 11 $\frac{3}{4}$ " - 341' 7"		3.4	33.8	55.5	7.3	Cw	Grey	13,540
		Weighted Means:	Band free	8.16	2.8	34.1	52.1	11.1			12,880
			Banded	8.59	2.7	33.1	50.6	15.0			12,250
24(S)	1493	7	183' 10" - 185' 7"		2.7	33.6	56.0	7.7	Cm	Grey	13,440
	1494	8	185' 7" - 187' 5"		2.9	34.3	57.4	5.4	Cm	Pink	13,720
		Weighted Means:	Band Free	3.58	2.8	34.0	56.7	6.5			13,590
25(S)	1313	4	104' 10" - 107' 7"		3.9	36.5	54.3	5.3	Cm	Pink	13,400
		Weighted Means:	Band free	2.50	3.9	36.5	54.3	5.3			13,400
			Banded	2.75	3.5	33.2	49.4	13.9			12,190
Farrell's Creek Area,											
1&6(S)	3056	14	428' 9" - 430' 2"		2.7	26.0	37.8	33.5	Aw	Pink	--
	3057	15	432' 10" - 434' 10"		2.4	31.2	44.5	21.9	Af	Brown	10,940
		Weighted Means:	Band free	5.67	2.5	29.1	41.8	26.7			9,900
			Banded	6.09	2.3	27.1	38.9	31.7			9,240
7(S)	3261	9	438' 4" - 440' 2"		3.0	33.2	49.0	14.8	Cw	Pink	12,250
	3262	10	440' 4" - 443' 10"		3.0	34.7	51.9	10.4	Cw	Pink	12,900
		Weighted Means:	Band free	4.67	3.0	34.2	50.9	11.8			12,690
			Banded	5.50	2.5	29.0	43.2	25.1			11,770

UPPER ARTIE'S SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Pond's Creek Area.											
1(S)R	495	1	162' 3" - 164' 8 $\frac{1}{2}$ "		3.5	33.1	50.1	13.3	Cw	Pink	12,360
	496	2	165' 0 $\frac{1}{2}$ " - 168' 3"		3.3	31.4	43.8	21.5	Cw	Cream	11,120
		Weighted Means: Band free		5.67	3.4	32.2	46.6	17.9			11,710
		Banded		6.00	3.2	30.3	44.0	22.4			11,050
4(S)	897	11	474' 10" - 477' 0"		3.0	7.8	66.1	23.1	Nn	Brown	10,220
	898	12	477' 0" - 478' 9"		4.4	6.6	68.3	20.7	Nn	Brown	10,490
		Weighted Means: Band free		3.92	3.6	7.3	67.1	22.0			10,350
8(S)	1000	1	223' 6 $\frac{1}{2}$ " - 224' 5"		3.5	27.5	56.0	13.0	Aw	Pink	12,170
	1001	2	224' 11" - 227' 11"		3.8	35.1	54.5	6.6	Cm	Buff	13,210
	1002	3	227' 11" - 230' 5 $\frac{1}{2}$ "		3.8	34.0	55.9	6.3	Cm	Pink	13,270
	1003	4	230' 8 $\frac{1}{2}$ " - 232' 0"		4.0	33.7	54.6	7.7	Cm	Cream	13,010
		Weighted Means: Band free		7.71	3.8	33.7	55.1	7.4			13,050
		Banded		8.46	3.5	30.7	50.2	15.6			11,950

S E A M A.

Parnell's Creek Area

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
24(S)	1492	6	155' 6 $\frac{1}{2}$ " - 158' 4"		2.7	34.6	52.7	10.0	CM	Pink	13,090
			Weighted Means: Band free	2.67	2.7	34.6	52.7	10.0			13,090
			Banded	2.79	2.6	33.2	50.4	13.9			12,520
25(S)	1311	2	77' 7" - 79' 7 $\frac{1}{2}$ "		4.3	30.1	54.3	11.3	AW	Pink	12,060
	1312	3	79' 7 $\frac{1}{2}$ " - 80' 10 $\frac{1}{2}$ "		3.9	35.3	52.9	7.9	CM	Pink	12,970
			Weighted Means: Band free	3.18	4.2	31.9	53.8	10.2			12,380
			Banded	3.28	4.0	31.0	52.2	12.9			12,000
Pond's Creek Area											
5(T)	667	1	29' 9 $\frac{1}{2}$ " - 32' 6"		6.2	31.0	55.5	7.3	NC	Pink	11,750
			Weighted Means: Band free	2.71	6.2	31.0	55.5	7.3			11,750
7(T)	852	1	89' 4" - 93' 6"		3.6	33.2	55.2	8.0	CW	Pink	12,850
			Weighted Means: Band free	4.17	3.6	33.2	55.2	8.0			12,850

SEAM B

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
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Parnell's Creek Area

29(T)	2915	3	86' 11 1/2" - 88' 9"		3.1	37.9	53.5	5.5	CW	Buff	13,480
		Weighted Means:	Band free	3.21	3.10	37.9	53.5	5.5			13,480
			Banded	3.25	3.10	37.4	52.9	6.7			13,290

Pond's Creek Area

4(S)	896	10	351' 6" - 354' 4"		5.6	8.5	57.6	28.3	Nn	Brown	8,980
		Weighted Means:	Band free	4.29	5.6	8.5	57.6	28.3			8,980
			Banded	5.37	4.5	6.8	46.0	42.7			7,180

S E A M C

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Parnell's Creek Area.											
8(S)	2126	8	86' 2" - 88' 6"		3.7	33.7	51.4	11.2	Cw	Fawn	12,590
	2127	9	88' 6" - 90' 9 $\frac{1}{2}$ "		4.4	36.3	50.9	8.4	Cm	Buff	12,900
		Weighted Means:	Band free	4.37	4.1	35.1	51.1	9.7			12,760
			Banded	4.62	3.9	33.2	48.3	14.6			12,060
16(S)	2588	6	91' 11" - 93' 2 $\frac{1}{2}$ "		3.7	33.9	54.9	7.5	Af	Pink	13,220
	2589	7	93' 2 $\frac{1}{2}$ " - 95' 5 $\frac{1}{2}$ "		3.3	37.5	53.1	6.1	Cw	Cream	13,250
		Weighted Means:	Band free	3.54	3.5	36.2	53.3	6.6			13,230
17(S)	2680	10	284' 4" - 285' 6"		3.1	33.2	49.8	13.9	Cm	Pink	12,490
	2681	11	287' 5 $\frac{1}{4}$ " - 288' 3"		3.0	32.8	53.9	10.3	Cw	Cream	13,050
	2682	12	288' 6" - 291' 1 $\frac{3}{4}$ "		2.3	39.4	47.0	11.3	Cw	Grey	13,010
		Weighted Means:	Band free	5.35	2.6	36.8	46.8	11.8			12,870
			Banded	6.79	2.1	28.9	38.5	30.5			10,150
18(S)	2565	9	154' 10 $\frac{3}{4}$ " - 155' 11 $\frac{3}{4}$ "		2.5	39.1	52.8	5.6	Cm	Buff	13,620
	2566	10	155' 11 $\frac{3}{4}$ " - 157' 1 $\frac{1}{2}$ "		1.9	35.9	54.3	7.9	Cw	Buff	13,350
	2567	11	157' 1 $\frac{1}{2}$ " - 158' 2"		3.2	38.0	51.3	7.5	Cm	Pink	13,230
		Weighted Means:	Band free	3.14	2.5	37.6	52.8	7.0			13,400
			Banded	3.26	2.4	36.0	50.5	11.0			12,910
19(S)	3271	3	67' 1" - 69' 1"		3.4	33.1	51.2	12.3	Af	Pink	12,600
	3272	4	69' 1" - 71' 0"		3.7	37.9	53.8	4.6	Cw	Cream	13,680
		Weighted Means:	Band free	3.85	3.6	35.5	52.5	8.4			13,140
20(S)	156	17	399' 1" - 401' 1"		3.1	32.6	51.5	12.8	Cw	Pink	12,530
	157	18	401' 1" - 403' 1"		3.5	36.8	54.4	5.3	Cm	Cream	13,730
		Weighted Means:	Band free	4.00	3.3	34.7	52.9	9.0			13,130
21(S)	3229	10	246' 0" - 248' 6"		2.9	30.0	45.3	21.8	Af	Pink	11,070
	3230	11	248' 8 $\frac{1}{2}$ " - 249' 10 $\frac{1}{2}$ "		2.9	31.0	48.7	17.4	Af	Pink	11,720
	3231	12	250' 2" - 252' 5 $\frac{1}{2}$ "		3.1	35.2	52.9	8.8	Cm	White	13,120
		Weighted Means:	Band free	5.83	3.0	32.2	48.9	15.8			11,990
			Banded	6.45	2.7	29.1	44.3	23.9			10,850
23(S)	129	14	374' 4" - 377' 8"		3.8	37.2	54.5	4.5	Cm	Buff	13,540
		Weighted Means:	Band free	3.33	3.8	37.2	54.5	4.5			13,560

S E A M C

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet.	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
<u>Parnell's Creek Area Cont.</u>											
29(T)	2913	1	59' 11" - 61' 8"		2.5	29.5	47.2	20.8	Af	Pink	11,280
	2914	2	61' 8" - 62' 9"		2.9	33.3	49.2	14.6	Cw	Grey	12,200
		Weighted Means:	Band free	2.83	2.7	30.9	47.9	18.5			11,600
<u>Farrell's Creek Area</u>											
1 & 6(S)	3054	12	367' 1" - 368' 11"		2.7	33.8	55.5	8.0	Af	Pink	13,220
	3055	13	368' 11" - 370' 8"		2.8	35.5	52.6	9.1	Cw	Buff	13,120
		Weighted Means:	Band free	3.58	2.8	34.6	54.0	8.5			13,170
2 & 3(S)	2929	14	248' 10" - 250' 5"		2.4	35.2	53.6	8.8	Af	Pink	13,050
	2930	15	250' 5" - 251' 8"		2.6	37.7	54.1	5.6	Cm	Pink	13,540
		Weighted Means:	Band free	2.83	2.5	36.3	53.8	7.4			13,260
			Banded	2.95	2.4	34.8	51.6	11.2			12,730
<u>Pond's Creek Area.</u>											
2(S)R	929	8	691' 0" - 694' 1"		2.8	31.4	53.6	12.2	Cw	Pink	12,670
		Weighted Means:	Band free	3.08	2.8	31.4	53.6	12.2			12,670
3(S)	532	8	320' 2 $\frac{1}{2}$ " - 324' 6 $\frac{1}{2}$ "		3.2	30.2	43.7	22.9	Af	Pink	10,620
		Weighted Means:	Band free	4.33	3.2	30.2	43.7	22.9			10,620
7(S)	107	1	81' 10 $\frac{1}{2}$ " - 84' 9"		3.4	32.8	52.2	11.6	Cw	Pink	12,420
		Weighted Means:	Band free	2.75	3.4	32.8	52.2	11.6			12,420
			Banded	2.87	3.3	31.3	49.9	14.3			11,990

S E A M E C

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
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Parnell's Creek Area

24(S)	1490	4	122' 1" - 124' 6"		3.2	33.4	52.3	11.1	CM	Pink	12,790
	1491	5	125' 2½" - 127' 1½"		2.8	36.7	51.6	8.9	CM	Pink	13,240
		Weighted Means: Band free		4.13	3.0	34.7	51.9	10.2			13,040
		Banded		5.03	2.5	28.5	42.7	26.6			10,650
25(S)	1310	1	71' 11" - 74' 7½"		11.5	29.4	53.1	6.0	Nh	Buff	10,410
		Weighted Means: Band free		2.62	11.5	29.4	53.1	6.0			10,410
		Banded		2.7	11.1	28.4	51.4	8.8			10,080

S E A M D

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
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Farrell's Creek Area

2 & 3(S)	2927	12	221' 2" - 222' 3"		2.2	33.9	49.0	14.9	Af & Cw	Pink	12,270
	2928	13	222' 4" - 224' 0"		2.6	31.9	47.5	18.0	Af	Pink	11,670
	Weighted Means: Band free			2.75	2.4	32.7	48.1	16.7			11,930
	Banded			2.84	2.4	31.8	46.7	19.1			11,570

SEAM E

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Parnell's Creek Area											
8(S)	2124	6	57' 11 $\frac{1}{2}$ " - 58' 11"		3.4	32.3	48.1	16.2	Cw	Grey	11,900
	2125	7	59' 0 $\frac{1}{2}$ " - 61' 0"		3.7	31.6	45.2	19.5	Af	Fawn	11,280
		Weighted Means:	Band free	2.77	3.6	31.8	46.1	18.5			11,440
			Banded	3.04	3.3	29.0	41.9	25.8			10,430
16(S)	2586	4	67' 3" - 68' 3"		3.6	29.4	47.5	19.5	Cm	Pink	11,400
	2587	5	68' 4" - 70' 10"		4.0	34.7	54.1	7.2	Cm	Pink	13,150
		Weighted Means:	Band free	3.5	3.9	33.1	52.2	10.7			12,640
			Banded	3.64	3.7	31.9	50.2	14.2			12,160
17(S)	2678	8	259' 7" - 260' 3"		3.0	32.6	54.3	10.1	Af	Pink	12,930
	2679	9	260' 3" - 262' 9 $\frac{1}{2}$ "		3.0	36.3	54.1	6.6	Cw	Pink	13,640
		Weighted Means:	Band free	3.21	3.0	35.7	54.2	7.3			13,490
19(S)	3269	1	46' 6" - 48' 3"		3.6	31.5	46.7	18.2	Af	Grey	11,510
	3270	2	48' 3" - 50' 0"		3.9	37.8	54.1	4.2	Cw	Cream	13,590
		Weighted Means:	Band free	3.5	3.7	34.7	50.4	11.2			12,550
20(S)	154	15	375' 4" - 377' 2"		2.7	31.8	49.7	15.8	Af	Pink	12,060
	155	16	377' 2" - 379' 0"		3.3	38.1	54.4	4.2	Cw	White	13,920
		Weighted Means:	Band free	3.7	3.0	34.9	52.1	10.0			12,990
21(S)	3227	8	208' 10" - 210' 10"		2.8	33.7	53.9	9.6	Cw	Cream	13,020
	3228	9	210' 10" - 212' 11"		2.6	37.0	53.9	6.5	Cm	Buff	13,540
		Weighted Means:	Band free	4.1	2.7	35.3	53.9	8.0			13,280
23(S)	127	12	348' 3" - 349' 2"		3.3	31.0	53.0	12.7	Af	Grey	12,290
	128	13	349' 4" - 351' 3"		3.8	35.4	52.8	8.0	Cw	White	12,960
		Weighted Means:	Band free	2.84	3.6	33.9	52.9	9.5			12,720
			Banded	3.01	3.5	32.0	49.9	14.6			12,020
22(T)	2556	6	125' 2" - 128' 2"		2.9	34.0	51.2	11.9	Cm	White	12,700
		Weighted Means:	Band free	3.0	2.9	34.0	51.2	11.9			12,700

S E A M E

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Farrell's Creek Area											
1 & 6(S)	3052	10	331' 0" - 333' 1"		2.6	32.9	52.5	12.0	Af	Pink	12,680
	3053	11	333' 1" - 335' 3"		2.6	30.8	45.4	21.2	Af	Pink	11,260
Weighted Means: Band free				4.12	2.6	31.8	49.0	16.6			11,970

S E A M G

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Parnell's Creek Area											
6(S)	1992	10	222' 10 $\frac{1}{2}$ " - 223' 11 $\frac{1}{2}$ "		3.6	31.4	46.8	18.2	Cw	Pink	11,420
	1993	11	224' 3 $\frac{1}{2}$ " - 226' 0 $\frac{1}{2}$ "		3.5	31.2	45.5	19.8	Cw	Pink	11,190
	1994	12	226' 6" - 228' 7 $\frac{1}{2}$ "		3.7	32.0	48.2	16.1	Cm	Pink	11,710
		Weighted Means:	Band free	4.58	3.6	31.7	46.9	17.8			11,470
			Banded	5.85	2.8	24.8	36.8	35.7			8,990
8(S)	2120	2	44' 8 $\frac{1}{2}$ " - 45' 5"		4.0	28.9	37.4	29.7	Aw	Cream	9,510
	2121	3	46' 0" - 47' 8"		3.8	30.7	44.7	20.8	Cw	Grey	10,890
	2122	4	47' 8" - 49' 0 $\frac{1}{2}$ "		3.7	28.3	39.3	28.7	Aw	Pink	9,790
	2123	5	49' 9 $\frac{1}{2}$ " - 51' 10"		3.7	34.1	48.2	14.0	Cw	Pink	12,000
		Weighted Means:	Band free	5.64	3.8	31.0	43.6	21.6			10,800
			Banded	7.18	2.9	24.4	34.2	38.4			8,480
16(S)	2583	1	50' 1" - 51' 1 $\frac{1}{2}$ "		3.5	33.1	48.8	14.6	Af	Buff	12,030
	2584	2	51' 5 $\frac{1}{2}$ " - 53' 5 $\frac{1}{2}$ "		4.1	32.2	48.8	14.9	Af	Pink	11,930
	2585	3	54' 6" - 56' 1"		4.5	32.2	50.4	12.9	Cw	Cream	12,230
		Weighted Means:	Band free	4.62	4.1	32.2	49.3	14.2			12,070
			Banded	5.56	3.4	26.7	40.9	28.7			10,020
18(S)	2561	5	116' 0 $\frac{1}{2}$ " - 117' 3 $\frac{1}{2}$ "		3.5	30.2	42.1	24.2	Af	Grey	10,570
	2562	6	117' 5 $\frac{1}{2}$ " - 118' 8 $\frac{1}{2}$ "		3.2	33.7	50.4	12.7	Cw	Cream	12,390
	2563	7	119' 1 $\frac{1}{2}$ " - 120' 5 $\frac{1}{2}$ "		2.7	35.8	48.0	13.5	Cm	Pink	12,430
	2564	8	121' 1 $\frac{1}{2}$ " - 122' 9"		2.7	35.7	48.8	12.8	Cw	Pink	12,490
		Weighted Means:	Band free	4.57	3.0	34.1	47.8	15.2			12,080
			Banded	6.9	2.0	22.6	31.6	43.8			9,640
20(S)	151	12	354' 1" - 356' 2"		3.1	30.1	46.2	20.6	Cw	Cream	11,290
	152	13	357' 8" - 359' 1"		3.3	34.1	49.0	13.6	Cw	Cream	12,380
	153	14	359' 10" - 361' 4"		3.2	31.7	43.2	21.9	Cw	Pink	11,070
		Weighted Means:	Band free	6.33	3.2	31.6	46.0	19.1			11,510
			Banded	8.91	2.3	22.5	32.7	42.5			8,170
21(S)	3225	6	188' 4" - 189' 1"		2.6	32.9	48.9	15.6	Af	Cream	12,030
	3226	7	189' 2" - 191' 1"		2.9	34.3	52.7	10.1	Cw	Pink	12,880
		Weighted Means:	Band free	2.67	2.8	34.0	51.6	11.7			12,650

S E A M G

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Parnell's Creek Area Cont.											
23(S)	125	10	329' 4 $\frac{1}{2}$ " - 331' 0"		3.4	34.3	48.1	14.2	Cw	Pink	11,930
	126	11	333' 1" - 334' 9"		3.8	37.3	48.9	10.0	Cw	Pink	12,370
		Weighted Means:	Band free	3.87	3.6	35.7	48.4	12.1			12,130
			Banded	5.37	2.6	25.6	35.0	36.7			8,740
24(S)	1489	3	88' 2 $\frac{1}{2}$ " - 91' 2 $\frac{1}{2}$ "		3.1	35.3	51.5	10.1	Cm	Pink	12,960
		Weighted Means:	Band free	2.92	3.1	35.3	51.5	10.1			12,960
			Banded	3.0	3.0	34.3	50.2	12.5			12,600
22(T)	2553	3	106' 2 $\frac{1}{2}$ " - 107' 3 $\frac{1}{2}$ "		2.9	31.9	47.3	17.9	Af	Cream	11,620
	2554	4	107' 6 $\frac{1}{2}$ " - 109' 0"		2.8	31.1	45.8	20.3	Af	Cream	11,300
	2555	5	109' 6 $\frac{1}{2}$ " - 111' 2"		3.4	34.4	50.7	11.5	Cm	Grey	12,590
		Weighted Means:	Band free	3.73	3.0	32.5	48.1	16.5			11,830
			Banded	4.96	2.3	24.4	36.2	37.2			8,800
Farrell's Creek Area.											
1 & 6(S)	3050	8	314' 6" - 317' 2"		3.0	25.8	35.5	35.7	Nc	Pink	- -
	3051	9	317' 11" - 319' 5"		3.1	25.1	36.0	35.8	Nc	Pink	- -
		Weighted Means:	Band free	4.42	3.0	25.6	35.7	35.8			- -
			Banded	6.09	2.1	17.5	24.4	56.0			- -
2 & 3(S)	2924	9	191' 9 $\frac{1}{2}$ " - 193' 2"		2.4	31.3	45.6	20.7	Cw	Pink	11,290
	2925	10	193' 7" - 194' 10"		2.4	33.7	46.5	17.4	Cw & Cm	Pink	11,770
	2926	11	195' 4 $\frac{1}{2}$ " - 196' 7 $\frac{1}{2}$ "		2.6	35.8	51.7	9.9	Cm	Pink	12,850
		Weighted Means:	Band free	4.39	2.6	33.5	47.9	16.2			11,850
			Banded	5.66	1.9	26.1	37.1	35.0			9,260
Pond's Creek Area.											
1(S)	2755	6	232' 4 $\frac{3}{4}$ " - 235' 0 $\frac{1}{2}$ "		2.4	32.1	49.3	16.2	Af	Pink	11,970
		Weighted Means:	Band free	2.56	2.4	32.1	49.3	16.2			11,970
			Banded	2.64	2.3	31.1	47.8	18.7			11,600

S E A M G

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Pond's Creek Area Cont.											
3(S)	530	6	280' 5" - 282' 9"		3.3	29.9	44.5	22.3	Af	Pink	10,710
	531	7	282' 9" - 285' 0"		3.4	33.5	49.7	13.4	Cw	Pink	12,150
	Weighted Means:			Band free	4.42	3.3	31.7	47.0	17.9		11,420
				Banded	4.59	3.2	30.5	45.3	21.0		11,000

S E A M JG

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
Pond's Creek Area											
4(S)	892	6	245' 9" - 248' 8½"		3.7	26.1	57.2	13.0	NC	Buff	12,040
	893	7	249' 7" - 252' 0"		3.8	3.3	64.2	28.7	Nn	Buff	9,790
	894	8	254' 2" - 255' 2"		3.6	8.3	64.8	23.3	Nn	Buff	10,050
	895	9	255' 7½" - 257' 5"		3.7	32.7	57.8	5.8	Cw	Buff	13,080
	Weighted Means:			Band free	8.17	3.7	18.7	60.2	17.3		
			Banded	11.67	2.6	13.2	42.1	42.0			8,920

S E A M J

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Parnell's Creek Area.											
8(S)	2119	1	37' 11 $\frac{1}{2}$ " - 39' 7"		3.6	31.9	46.6	17.9	Cw	Pink	11,450
		Weighted Means:	Band free	1.6	3.6	31.9	46.6	17.9			11,450
17(S)	2676	6	201' 9" - 202' 11"		3.2	31.9	52.0	12.9	Ar	Pink	12,480
	2677	7	203' 3 $\frac{1}{2}$ " - 205' 7"		3.2	33.2	52.5	11.1	Cw	Pink	12,730
		Weighted Means:	Band free	3.15	3.2	32.8	52.3	11.8			12,600
			Banded	3.84	2.6	27.0	42.1	27.8			10,420
20(S)	149	10	339' 11" - 341' 7"		3.3	32.5	48.2	16.0	Cw	Grey	11,860
	150	11	342' 1 $\frac{1}{2}$ " - 343' 5"		2.9	30.9	40.9	25.3	Cw	Buff	10,620
		Weighted Means:	Band free	2.63	3.1	31.8	45.3	29.8			11,540
			Banded	3.55	2.3	23.5	34.0	40.2			8,450
21(S)	3223	4	165' 9" - 167' 3 $\frac{1}{2}$ "		3.2	32.9	51.1	12.8	Cw	Pink	12,380
	3224	5	167' 9 $\frac{1}{2}$ " - 169' 11"		3.1	33.7	51.1	12.1	Cw	Pink	12,500
		Weighted Means:	Band free	3.54	3.1	33.1	51.2	12.5			12,470
			Banded	4.17	2.8	27.9	43.2	25.6			10,470
23(S)	123	8	305' 11" - 308' 2 $\frac{1}{2}$ "		3.8	34.3	48.3	13.6	Cw	Pink	11,880
	124	9	308' 7 $\frac{1}{2}$ " - 310' 2"		3.9	36.4	50.8	8.9	Cw	Pink	12,520
		Weighted Means:	Band free	3.62	3.9	33.1	50.2	12.0			12,210
			Banded	4.24	3.3	27.9	42.7	25.4			10,370
24(S)	1487	1	67' 8" - 69' 10"		12.2	27.2	44.7	15.9	Nn	Pink	8,610
	1488	2	69' 10" - 72' 1 $\frac{1}{2}$ "		9.1	29.4	52.2	9.3	Nn	Cream	11,060
		Weighted Means:	Band free	4.29	10.7	28.2	48.2	12.6			9,780
			Banded	5.03	9.4	24.7	42.2	23.4			8,610
22(T)	2552	2	87' 10" - 89' 11 $\frac{1}{2}$ "		2.9	35.3	46.1	15.7	Cw	Pink	12,030
		Weighted Means:	Band free	1.98	2.9	35.3	46.1	15.7			12,030
			Banded	2.12	2.5	33.0	43.1	21.3			11,260
Farrell's Creek Area.											
I & 6(S)	3048	6	295' 7" - 297' 5"		3.2	29.7	43.6	23.5	Ar	Buff	10,730
	3049	7	297' 5" - 299' 4"		3.0	31.8	44.1	21.1	Cw	Pink	11,140
		Weighted Means:	Band free	3.75	3.1	30.7	43.8	22.3			10,930

S E A M J

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Farrell's Creek Area Cont.											
7(S)	3260	8	260' 8" - 263' 6"		3.2	31.3	46.0	19.5	Af	Pink	11,350
		Weighted Means:	Band free	3.5	3.2	31.3	46.0	19.5			11,350
			Banded	4.08	2.7	26.8	40.2	30.9			9,690
Pond's Creek Area.											
1(S)	2752	3	210' 5" - 211' 4"		2.0	27.4	43.1	27.5	Aw	Pink	10,300
	2753	4	211' 4 $\frac{1}{8}$ " - 213' 3 $\frac{1}{8}$ "		2.4	29.6	40.0	28.0	Aw	Pink	10,130
	2754	5	214' 3" - 215' 4"		2.3	35.0	45.9	16.8	Cw	Pink	11,960
		Weighted Means:	Band free	3.79	2.3	30.5	42.7	24.6			10,680
			Banded	4.91	1.8	23.6	33.0	41.7			8,220
3(S)	528	4	259' 9" - 262' 0"		3.5	26.4	40.1	30.0	Af	Pink	9,440
	529	5	262' 0" - 264' 2"		3.2	25.0	33.3	38.5	Aw	Pink	- -
		Weighted Means:	Band free	4.42	3.3	25.7	36.7	34.2			- -

S E A M QPONL

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U
Pond's Creek Area											
4(S)	890	4	133' 8 $\frac{1}{2}$ " - 135' 8 $\frac{1}{2}$ "		4.4	29.7	53.0	12.9	Aw	Cream	11,950
	891	5	135' 8 $\frac{1}{2}$ " - 137' 9"		4.2	30.9	54.1	10.8	Af	Buff	12,290
		Weighted Means: Band free		4.04	4.3	30.3	53.5	11.8			12,120

SEAM QPONL

S E A M N

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
<u>Parnell's Creek Area.</u>											
17(S)	2674	4	164' 0" - 165' 0 $\frac{1}{2}$ "		3.2	30.4	50.7	15.7	Af	Buff	12,060
	2675	5	165' 2 $\frac{1}{2}$ " - 167' 0"		3.2	33.0	51.2	12.6	Cm	Buff	12,630
		Weighted Means:	Band free	2.83	3.2	32.1	51.6	13.9			12,510
			Banded	3.88	2.4	23.2	37.4	37.0			9,050
18(S)	2557	1	59' 9" - 60' 9 $\frac{1}{2}$ "		3.8	35.2	48.8	12.2	Cw	Cream	12,360
	2558	2	61' 2 $\frac{1}{2}$ " - 62' 2 $\frac{1}{2}$ "		3.3	34.0	46.1	16.6	Cw	White	11,790
	2559	3	62' 3" - 63' 0"		4.2	32.7	48.0	15.1	Cw	Pink	11,940
	2560	4	63' 0" - 66' 3"		4.1	35.0	51.4	9.5	Cm	Grey	12,790
		Weighted Means:	Band free	5.83	3.6	32.0	44.8	19.9			12,370
			Banded	6.50	3.2	28.4	39.9	28.1			11,040
20(S)	148	9	294' 3" - 297' 0"		3.0	34.8	47.5	14.7	Cw	Pink	12,080
		Weighted Means:	Band free	2.75	3.0	34.8	47.5	14.7			12,080
21(S)	3222	3	139' 8" - 142' 3"		3.3	33.3	53.9	9.5	Cm	Cream	12,360
		Weighted Means:	Band free	2.44	3.3	33.2	54.0	9.5			12,860
			Banded	2.59	3.1	31.3	51.0	14.6			12,150
23(S)	122	7	254' 0" - 256' 9"		3.8	34.9	50.9	10.4	Cw	Grey	12,350
		Weighted Means:	Band free	2.75	3.8	34.9	50.9	10.4			12,350
22(T)	2551	1	41' 7 $\frac{3}{4}$ " - 44' 3"		4.5	32.8	53.4	9.3	Aw	Pink	12,440
		Weighted Means:	Band free	2.90	4.5	32.8	53.4	9.3			12,440
			Banded	2.98	4.4	31.8	52.2	11.7			12,100
<u>Farrell's Creek Area.</u>											
1 & 6(S)	3047	5	226' 8" - 231' 3"		3.2	31.6	43.9	21.3	Af	Pink	11,000
		Weighted Means:	Band free	5.79	3.2	31.6	43.9	21.3			11,000
2 & 3(S)	2922	7	146' 3" - 147' 8"		2.7	33.3	48.5	15.5	Cw	Pink	11,840
	2923	8	147' 8" - 149' 6 $\frac{1}{2}$ "		2.8	34.3	52.9	10.0	Cm	Pink	12,640
		Weighted Means:	Band free	3.29	2.7	33.8	50.7	12.8			12,240

SEAM N

S E A M N

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Farrell's Creek Area Cont.											
7(S)	3258	6	217' 1" - 219' 7"		3.5	32.6	47.1	16.8	Af	Pink	11,710
	3259	7	219' 7" - 222' 1"		3.4	34.5	52.6	9.5	Cw	Grey	12,890
		Weighted Means: Band free		5.0	3.4	33.6	49.9	13.1			12,300
Pond's Creek Area.											
1(S)	2750	1	178' 6" - 181' 2 $\frac{1}{4}$ "		2.2	27.6	37.3	32.9	Aw	Cream	9,380
	2751	2	181' 6 $\frac{1}{4}$ " - 182' 3 $\frac{1}{2}$ "		2.4	30.7	41.2	25.7	Af	Cream	10,410
		Weighted Means: Band free		3.46	2.2	28.1	38.3	31.4			9,650
		Banded		3.79	2.0	25.7	34.8	37.3			8,750
3(S)	525	1	224' 7" - 227' 2"		3.4	30.4	40.3	25.9	Af	Pink	10,100
	526	2	227' 2" - 229' 9"		3.6	35.5	51.4	9.5	Cm	Pink	12,710
	527	3	229' 10" - 230' 11"		3.7	27.6	39.0	29.7	Af	Pink	9,430
		Weighted Means: Band free		6.25	3.6	31.2	43.5	21.7			10,750

S E A M Q

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Parnell's Creek Area.											
6(S)	1990	8	104' 4 $\frac{1}{2}$ " - 105' 5 $\frac{3}{4}$ "		3.7	28.2	39.7	28.4	Nc	Buff	9,480
	1991	9	106' 2" - 109' 8 $\frac{3}{4}$ "		3.8	26.9	40.7	28.6	Af	Pink	9,530
	Weighted Means:		Band free	4.08	3.7	27.3	40.4	28.4			9,550
			Banded	5.37	2.9	20.7	30.7	45.8			7,250
17(S)	2672	2	135' 9" - 137' 5"		3.7	30.2	48.3	17.8	Af	White	11,670
	2673	3	137' 5" - 139' 1 $\frac{1}{2}$ "		3.4	34.3	54.4	7.9	Cm	Pink	13,300
	Weighted Means:		Band free	4.63	3.5	32.3	51.4	12.8			12,480
20(S)	145	6	224' 5" - 226' 5"		2.8	29.8	38.2	29.2	Af	Buff	9,600
	146	7	227' 3" - 228' 6 $\frac{1}{2}$ "		3.5	31.4	44.5	20.6	Af	Pink	10,980
	147	8	228' 8" - 230' 4"		3.2	32.5	46.7	17.6	Cw	Grey	11,560
	Weighted Means:		Band free	4.5	3.1	31.3	42.9	22.8			10,650
		Banded	5.14	2.7	27.4	37.5	32.5			9,340	
21(S)	3220	1	95' 9" - 98' 0"		3.3	31.2	47.7	17.8	Af	Grey	11,520
	3221	2	98' 0" - 100' 1 $\frac{1}{2}$ "		3.1	31.5	48.8	16.6	Cw	Pink	11,790
	Weighted Means:		Band free	4.25	3.2	31.5	48.6	14.9			11,640
		Banded	4.7	2.9	28.3	43.7	25.1			10,530	
23(S)	119	4	202' 0" - 203' 0 $\frac{1}{2}$ "		3.7	31.2	45.2	19.9	Af	Buff	10,840
	120	5	203' 8 $\frac{1}{2}$ " - 205' 1"		4.1	30.0	44.0	21.9	Af	Grey	10,500
	121	6	205' 3 $\frac{1}{2}$ " - 206' 9 $\frac{1}{2}$ "		4.0	32.7	50.0	13.3	Cw	Grey	11,820
	Weighted Means:		Band free	3.37	3.9	31.5	47.0	17.6			11,170
		Banded	4.74	2.8	22.4	33.4	41.4			7,940	
66(T)	690	6	110' 5" - 111' 7"		4.5	27.2	38.5	29.8	Aw	Pink	9,310
	691	7	112' 0" - 113' 4"		4.1	29.9	43.3	22.7	Cw	Pink	10,540
	Weighted Means:		Band free	2.5	4.3	28.7	41.0	26.0			9,960
67(T)	683	8	96' 6" - 97' 11 $\frac{1}{2}$ "		3.9	28.8	41.3	26.0	Af	Pink	10,170
	684	9	98' 9 $\frac{1}{2}$ " - 101' 2"		4.3	25.3	34.8	35.6	Aw	Grey	-
	Weighted Means:		Band free	2.63	4.1	27.5	38.9	29.2			-
		Banded	3.13	3.4	23.1	32.6	40.9			-	

S E A M Q

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
<u>Parnell's Creek Area Cont.</u>											
69(T)	704	6	98' 0 $\frac{1}{2}$ " - 99' 10"		3.4	30.5	39.5	26.6	Cw	Pink	10,040
	705	7	100' 5" - 101' 11 $\frac{1}{2}$ "		4.0	29.1	43.3	23.6	Ar	Pink	10,280
	706	8	102' 2 $\frac{1}{2}$ " - 105' 9"		3.9	28.9	45.4	21.8	Cm	Pink	10,720
		Weighted Means:	Band free	4.41	3.7	29.7	42.5	24.4			10,300
			Banded	5.58	2.9	23.4	33.4	39.9			8,150
70(T)	711	5	79' 4" - 81' 2 $\frac{1}{2}$ "		3.5	31.3	41.8	23.4	Ar	Pink	10,440
	712	6	82' 1" - 83' 7"		3.8	28.1	37.0	31.1	Aw	Pink	9,060
	713	7	84' 11" - 85' 10"		4.3	32.1	46.4	17.2	Cm	Pink	11,440
		Weighted Means:	Band free	4.83	3.8	30.4	41.3	24.6			10,250
			Banded	8.12	2.3	18.1	24.6	55.3			6,100
71(T)	715	1	54' 3" - 56' 5"		4.8	31.6	46.9	16.7	Cw	Pink	11,450
	716	2	56' 9 $\frac{1}{2}$ " - 58' 3 $\frac{1}{2}$ "		5.1	29.9	45.4	19.6	Cw	Pink	10,950
	717	3	58' 5 $\frac{1}{2}$ " - 60' 0 $\frac{1}{2}$ "		4.9	29.3	47.1	18.7	Cm	Grey	11,240
		Weighted Means:	Band free	4.6	4.9	28.4	46.3	18.2			11,200
			Banded	5.83	3.9	24.1	36.7	35.7			8,900
72(T)	722	5	126' 7" - 129' 11"		4.6	29.1	44.1	22.2	Ar	Pink	10,690
	723	6	130' 3" - 131' 11 $\frac{1}{2}$ "		4.3	30.7	47.8	17.2	Cw	Pink	11,540
		Weighted Means:	Band free	4.17	4.5	29.8	45.6	20.2			11,100
			Banded	5.4	3.5	21.9	35.2	38.3			8,550
<u>Farrell's Creek Area.</u>											
2 & 3(S)	2918	3	103' 7 $\frac{1}{2}$ " - 104' 7 $\frac{1}{2}$ "		2.5	25.2	32.2	40.1	Nn	Pink	- -
	2919	4	104' 7 $\frac{1}{2}$ " - 105' 11"		2.7	27.5	37.1	32.7	Aw	Pink	- -
	2920	5	106' 11" - 108' 3"		2.6	24.7	37.5	35.2	Aw	Pink	- -
	2921	6	108' 4" - 109' 5"		2.5	26.2	38.7	32.6	Ar	Pink	- -
		Weighted Means:	Band free	4.54	2.6	26.0	36.4	34.9			- -
			Banded	5.79	2.0	20.4	28.6	49.0			- -

S E A M Q

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Farrell's Creek Area Cont.											
7(S)	3255	3	174' 10" - 176' 1"		3.5	31.1	40.9	24.5	Aw	Buff	10,340
	3256	4	176' 1½" - 177' 3"		3.8	28.6	45.1	22.5	Aw	Pink	10,660
	3257	5	177' 8" - 179' 5"		3.3	30.0	47.9	18.8	Af	Pink	11,380
Weighted Means:				Band free	4.54	3.6	30.3	46.3	20.0		11,150
				Banded	4.98	3.2	27.2	41.2	27.7		9,250

F A R R E L L I S C R E E K S E A M

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
<u>Parnell's Creek Area.</u>											
6(S)	1983	1	51' 4" - 52' 5 $\frac{1}{2}$ "		4.0	13.9	20.0	62.1	Nn	White	- -
	1984	2	52' 8" - 55' 10"		4.4	23.4	52.1	20.1	Nn	Pink	10,580
	1985	3	55' 10" - 59' 6"		4.6	23.7	55.4	16.3	Nn	Pink	11,150
	1986	4	59' 6" - 61' 9"		4.4	28.7	58.4	8.5	Aw	Cream	12,500
	1987	5	61' 9" - 64' 4"		4.4	30.8	54.1	10.7	Aw	Pink	12,110
	1988	6	64' 4" - 66' 5 $\frac{1}{2}$ "		4.0	28.9	54.2	12.9	Aw	Pink	11,940
	1989	7	66' 10 $\frac{3}{4}$ " - 68' 6 $\frac{3}{4}$ "		3.9	30.2	50.9	15.0	Af	Pink	11,710
		Weighted Means:		Band free	15.83	4.3	27.0	54.1			11,530
				Banded	15.92	4.3	26.9	53.9			11,450
14(S)	2740	1	80' 9" - 81' 8"		3.2	23.5	49.5	23.8	Nn	White	10,180
	2741	2	81' 8" - 84' 1"		3.1	28.7	59.0	9.2	Nc	Pink	12,690
	2742	3	84' 1" - 86' 0"		3.1	28.3	55.6	13.0	Nc	Pink	12,160
	2743	4	86' 0" - 88' 4"		2.7	28.8	53.2	15.3	Nn	Pink	11,940
		Weighted Means:		Band free	7.59	3.0	27.9	55.1			12,010
17(S)	2671	1	89' 6" - 92' 3"		3.5	25.8	42.3	28.4	Af	Pink	10,090
		Weighted Means:		Band free	2.75	3.5	25.8	42.3			10,090
20(S)	140	1	156' 7" - 158' 0"		3.2	25.3	50.5	21.0	Nn	White	10,610
	141	2	158' 0" - 160' 6"		4.0	22.2	55.7	18.1	Nn	Pink	11,020
	142	3	160' 6" - 163' 0"		3.8	26.8	56.8	12.6	Nc	Pink	11,870
	143	4	163' 0" - 164' 0"		3.5	32.0	54.4	10.1	Af	Pink	12,320
	144	5	164' 6" - 165' 8"		3.1	28.0	49.0	19.9	Aw	Buff	10,920
		Weighted Means:		Band free	9.09	3.6	26.3	54.1			11,400
23(S)	116	1	147' 11" - 151' 0"		3.9	29.8	56.6	9.8	Aw	Pink	12,190
	117	2	151' 0" - 154' 1"		4.0	29.8	51.4	14.8	Aw	Pink	11,490
	118	3	154' 1" - 157' 3"		4.0	27.4	54.0	14.6	Nn	Buff	11,390
		Weighted Means:		Band free	9.33	4.0	29.0	54.0			11,690
24(T)	2382	1	98' 7 $\frac{1}{2}$ " - 100' 10 $\frac{1}{2}$ "		3.9	30.9	55.8	9.4	Nc	Pink	12,380
	2383	2	100' 11" - 102' 8"		4.3	31.6	54.6	9.5	Nc	Pink	12,300
	2384	3	102' 8" - 104' 6"		4.4	27.9	52.5	15.2	Nc	Pink	11,520
	2385	4	104' 9" - 106' 3"		4.5	25.2	51.6	18.7	Nn	Cream	10,890
	2386	5	106' 3" - 108' 0 $\frac{1}{2}$ "		4.4	27.4	57.2	11.0	Nn	Pink	12,140
		Weighted Means:		Band free	9.13	4.3	28.8	54.5			11,890
				Banded	9.43	4.1	27.9	52.7			11,520

F A R R E L L ' S C R E E K S E A M

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
<u>Parnell's Creek Area Cont.</u>											
36(T)	3408	2	143' 6" - 145' 8"		4.1	22.2	52.6	21.1	Nn	White	10,550
	3409	3	145' 8" - 147' 10"		4.1	23.2	55.8	16.9	Nn	Pink	11,170
	3410	4	147' 10" - 150' 0"		3.8	27.3	57.8	11.1	Nc	Pink	12,080
	3411	5	150' 0" - 152' 1"		3.7	29.9	55.8	10.6	Aw	Pink	12,340
	3412	6	152' 1" - 154' 3"		3.9	32.1	56.7	7.3	Aw	White	12,840
	3413	7	154' 3" - 156' 9"		3.2	28.5	51.8	16.5	Nc	Pink	11,610
	3414	8	156' 9" - 159' 3"		3.3	28.6	52.0	16.1	Nc	Pink	11,650
		Weighted Means:		Band free	15.5	3.7	27.4	54.6			11,890
				Banded	15.75	3.7	27.0	53.7			11,700
38(T)	3348	1	89' 7" - 92' 5"		4.2	23.1	60.6	12.1	Nn	Pink	11,950
	3349	2	92' 5" - 95' 4"		3.8	29.6	56.9	9.7	Aw	Pink	12,300
	3350	3	95' 4" - 98' 1"		3.6	31.1	53.9	11.4	Aw	Pink	12,060
	3351	4	98' 1" - 100' 10"		3.6	28.6	51.9	15.9	Aw	White	11,500
	3352	5	100' 10" - 103' 1"		3.7	25.5	54.1	16.7	Aw	Pink	11,430
		Weighted Means:		Band free	13.5	3.8	27.6	55.6			11,870
40(T)	3357	2	96' 9" - 102' 0"		12.0	26.1	49.3	12.6	Nn	White	8,250
	3358	3	102' 0" - 106' 6"		12.7	27.0	44.0	16.3	Nn	Cream	7,550
		Weighted Means:		Band free	9.75	12.3	26.4	46.8			7,930
60(T)	481	5	152' 2" - 153' 2"		4.8	20.4	47.5	27.3	Nc	White	9,720
	482	6	153' 4 $\frac{1}{2}$ " - 156' 4 $\frac{1}{2}$ "		5.0	22.4	53.1	19.5	Nc	White	10,760
	483	7	156' 4 $\frac{1}{2}$ " - 159' 4"		5.0	25.5	59.3	10.2	Nc	Grey	12,070
	484	8	159' 4" - 161' 10"		4.4	30.1	55.3	10.2	Aw	Pink	12,310
	485	9	161' 10" - 164' 1"		4.3	28.4	51.0	16.3	Nc	Pink	11,200
	486	10	164' 1" - 166' 4"		4.3	27.8	51.3	16.4	Nc	Pink	11,190
		Weighted Means:		Band free	13.96	4.7	26.1	53.9			11,300
				Banded	14.17	4.6	25.7	53.1			11,210

F A R R E L L ' S C R E E K S E A M

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Parnell's Creek Area Cont.											
67(T)	676	1	39' 2" - 40' 11"		9.7	21.4	51.0	17.9	Nn	Cream	8,930
	677	2	40' 11" - 42' 8"		10.3	22.8	54.2	12.7	Nn	Buff	9,540
	678	3	42' 8" - 45' 2"		6.0	26.8	56.1	11.1	Nc	Buff	11,360
	679	4	45' 2" - 46' 5"		5.0	29.4	57.1	8.5	Aw	Pink	12,370
	680	5	46' 6" - 48' 6"		5.4	29.2	52.0	13.4	Nc	Rd. Br.	11,450
	681	6	48' 6" - 50' 2"		5.1	28.5	53.7	12.7	Nc	Pink	11,620
	682	7	50' 2" - 53' 0"		5.2	26.1	52.8	15.9	Nc	Pink	11,180
	Weighted Means:			Band free	14.08	6.6	26.2	53.7	13.5		10,930
			Banded	14.16	6.5	26.1	53.4	14.0		10,860	
68(T)	695	1	24' 4" - 26' 10"		14.7	27.2	45.5	12.6	Nn	Cream	8,550
	696	2	26' 11 $\frac{1}{2}$ " - 28' 2"		9.1	27.9	56.2	6.8	Nn	Brown	10,940
	697	3	28' 4 $\frac{1}{2}$ " - 31' 6 $\frac{1}{2}$ "		7.1	27.0	50.5	15.4	Nn	Pink	10,410
	698	4	31' 7 $\frac{1}{2}$ " - 33' 7"		4.4	28.8	54.7	12.1	Nc	Pink	12,040
	Weighted Means:			Band free	8.84	8.6	27.0	52.2	12.2		11,620
			Banded	9.25	8.5	26.5	48.7	16.5		11,110	
69(T)	699	1	39' 9" - 42' 3"		11.0	22.9	49.7	16.4	Nn	Cream	9,170
	700	2	42' 3" - 45' 0"		10.8	25.5	52.7	11.0	Nc	Brown	9,940
	701	3	45' 0" - 48' 4"		7.6	26.2	53.4	12.8	Nc	Brown	10,630
	702	4	48' 4" - 50' 2"		5.8	26.3	54.9	13.0	Nc	Pink	11,440
	703	5	50' 2" - 52' 0"		5.1	26.9	53.4	14.6	Nc	Pink	11,370
	Weighted Means:			Band free	12.24	8.3	25.5	52.8	13.4		10,440
70(T)	707	1	21' 0" - 24' 6"		12.5	26.9	44.4	16.2	Nn	Pink	8,270
	708	2	24' 6" - 28' 4"		11.7	25.3	42.1	20.9	Nc	Pink	8,190
	Weighted Means:			Band free	7.33	12.2	26.1	43.3	18.5		8,230
72(T)	718	1	71' 8" - 75' 0"		4.8	20.9	57.7	16.6	Nc	Pink	11,160
	719	2	75' 0" - 78' 0"		4.5	28.9	56.5	10.1	Aw	Pink	12,390
	720	3	78' 0" - 81' 0"		4.1	31.0	55.3	9.6	Af	Pink	12,630
	721	4	81' 0" - 85' 0"		4.2	27.8	53.7	14.3	Aw	Pink	11,870
	Weighted Means:			Band free	13.33	4.4	27.1	55.7	12.9		12,000

F A R R E L L ' S C R E E K S E A M

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Parnell's Creek Area Cont.											
73(T)	847	1	104' 9" - 108' 0"		4.2	30.3	55.9	9.6	Af	Pink	12,480
	848	2	108' 0" - 111' 3"		4.6	31.1	52.5	11.8	Af	Pink	12,030
	849	3	111' 3" - 114' 6"		4.5	27.3	51.0	17.2	Aw	Pink	11,290
	Weighted Means: Band free			9.75	4.4	29.6	53.1	12.8			11,930
74(T)	883	1	97' 0" - 100' 2"		4.7	23.7	59.0	12.6	Nc	Pink	11,810
	884	2	100' 2" - 103' 2"		4.1	30.3	54.9	10.2	Af	Brown	12,270
	885	3	103' 2" - 106' 2"		4.0	30.6	50.5	14.9	Af	Pink	11,550
	886	4	106' 2" - 109' 2"		4.4	28.8	50.7	16.1	Af	Pink	11,340
Weighted Means: Band free			12.17	4.3	28.5	53.8	13.4			11,740	
Farrell's Creek Area											
1 & 6(S)	3043	1	100' 7 $\frac{1}{2}$ " - 102' 9"		3.4	29.7	44.7	22.2	Nn	Pink	10,530
	3044	2	105' 4 $\frac{1}{2}$ " - 108' 3"		3.1	29.3	51.6	17.0	Nn	Pink	11,380
	3045	3	108' 3" - 111' 1 $\frac{1}{2}$ "		3.5	27.9	55.7	12.9	Nc	Pink	11,980
	3046	4	111' 3" - 112' 4"		3.3	28.2	46.4	22.1	Nc	Pink	10,630
Weighted Means: Band free			8.76	3.4	28.5	51.0	17.3			11,250	
			Banded	11.72	2.4	21.2	38.1	38.9			8,650
2 & 3(S)	2916	1	39' 0" - 42' 4"		3.3	26.4	56.9	13.4	Nn	Cream	12,170
	2917	2	42' 4" - 45' 8"		3.1	30.3	49.2	17.4	Aw	Pink	11,620
	Weighted Means: Band free			6.67	3.2	28.3	53.1	15.4			11,890
7(S)	3253	1	107' 0" - 110' 4"		3.5	28.0	49.1	19.4	Nc	Pink	10,900
	3254	2	110' 4" - 113' 7"		3.1	29.3	48.7	18.9	Nc	Pink	11,120
	Weighted Means: Band free			6.58	3.3	28.6	48.9	19.2			11,010

F A R R E L L ' S C R E E K S E A M

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.Th.U.
Pond's Creek Area											
2(S)R	927	6	397' 0" - 399' 4"		3.3	27.2	48.6	20.9	Aw	Pink	10,920
	928	7	400' 3" - 402' 0"		2.6	11.5	67.7	18.2	Nn	Pink	11,310
	Weighted Means:			Band free	8.66	3.0	20.1	58.1			10,950
				Banded	9.66	2.7	18.0	52.1			9,950
4(S)	887	1	119' 2" - 120' 11 $\frac{1}{2}$ "		4.8	30.8	52.4	12.0	Af	Buff	11,970
	888	2	121' 0 $\frac{1}{2}$ " - 123' 2 $\frac{1}{2}$ "		4.8	32.1	57.4	5.7	Af	Buff	12,990
	889	3	123' 4 $\frac{1}{2}$ " - 126' 8"		4.5	32.0	52.0	11.5	Af	Cream	12,120
	Weighted Means:			Band free	7.26	4.7	30.6	53.9			12,400

LOWER R SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
<u>Parnell's Creek Area</u>											
70(T)	710	4	68' 7" - 70' 0"		3.7	30.6	40.5	25.2	Cw	Pink	10,350
Weighted Means:				Band free.	1.21	3.7	30.6	40.5	25.2		10,350
				Banded	1.42	3.2	25.0	34.6	36.3		8,800

LOWER R SEAM

U P P E R R S E A M

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
Parnell's Creek Area											
70(T)	709	3	59' 6" - 61' 4 $\frac{1}{2}$ "		2.9	32.4	40.5	24.2	Cw	Pink	10,690
			Weighted Means:	Band free	1.75	2.9	32.4	40.5			10,690
				Banded	1.87	2.7	30.8	37.9			10,000

S E A M - X

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
<u>Parnell's Creek Area</u>											
36(T)	3407	1	41' 10" - 44' 0"		3.6	31.5	49.9	15.0	Af	Pink	11,580
		Weighted Means:	Band free	2.08	3.6	31.5	49.9	15.0			11,580
			Banded	2.16	3.5	30.3	48.1	18.1			11,200
60(T)	477	1	37' 9" - 39' 3"		4.2	28.7	46.3	20.5	Af	Pink	10,790
	478	2	41' 3" - 42' 11"		4.6	33.3	54.7	7.4	Af	Cream	12,770
	479	3	42' 11" - 44' 7"		4.5	30.7	49.7	15.1	Af	Cream	11,530
		Weighted Means:	Band free	4.84	4.4	30.9	50.3	14.1			11,650
			Banded	6.84	3.1	21.9	35.6	39.2			8,280
63(T)	196	1	36' 8" - 40' 0"		5.1	31.0	54.0	9.9	Aw	Buff	11,990
		Weighted Means:	Band free	3.17	5.1	31.0	54.0	9.9			11,990
<u>Pond's Creek Area</u>											
8(S)R	1015	1	91' 3" - 94' 2"		3.8	30.0	52.4	13.8	Cw	Pink	12,140
		Weighted Means:	Band free	3.58	3.8	30.0	52.4	13.8			12,140
			Banded	4.33	3.1	24.8	43.4	28.8			10,050

LOWER Y SEAM

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
Jerry's Plains Area											
1(S)	508	5	233' 6" - 235' 10"		3.7	6.6	31.3	58.4	Nc	Buff	- -
	509	6	235' 10" - 237' 4"		3.7	6.3	20.8	69.2	Nc	Buff	- -
	Weighted Means:			Band free	3.5	3.7	6.5	26.8	63.0		- -
				Banded	3.83	3.4	5.9	24.5	66.1		- -

M I D D L E Y S E A M

BMR Bore No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
Pond's Creek Area											
2(S)R	922	1	99' 3" - 100' 7½"		4.4	6.2	61.3	23.1	Nn	Brown	9,500
	923	2	100' 11½" - 102' 9"		6.3	3.1	73.9	11.7	Nn	Brown	11,980
	924	3	102' 10" - 105' 5"		4.9	3.1	72.2	14.8	Nn	Brown	11,230
	925	4	107' 1½" - 108' 8"		3.5	30.2	56.4	9.9	Af	Buff	12,540
	Weighted Means:			Band free	6.95	4.9	10.8	68.9	15.3		11,330
			Banded	9.41	3.6	8.0	50.8	37.5			8,410
Jerry's Plains Area											
1(S)	507	4	229' 9" - 230' 9"		3.6	13.7	60.3	22.4	Nn	Buff	10,740
		Weighted Meands:		Band free	1.00	3.6	13.7	60.3	22.4		10,740

MIDDLE Y SEAM

U P P E R Y S E A M

BMR Core No.	Ref. No.	BMR Sample No.	Depth	Thickness in feet	H.M. %	V. %	F.C. %	Ash %	Coke Nature	Ash Colour	B.T.U.
Jerry's Plains Area											
1(S)	506	3	225' 5" - 227' 5"		4.1	30.1	58.6	7.2	Aw	Buff	13,000
		Weighted Means:	Band free	1.87	4.1	30.1	58.6	7.2			13,000
			Banded	1.99	3.8	28.2	55.1	12.8			12,220

UPPER Y SEAM