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Mines Branch Information Circular IC 290

ANALYSES OF COAL DURING 1971

by

W. J. Montgomery* and G. C. Anderson**

INTRODUCTION

The Solid Fuels Laboratory of the Fuels Research Centre is responsible for all analytical work on coal encompassed by this publication. This information circular, issued as the eleventh of an annual series, tabulates the analyses of coal samples analyzed by the Centre during 1971.

It must be clearly understood that no responsibility is taken by the Centre for the accuracy of the sampling procedures adopted for procuring the samples for which analyses are reported in this circular, excepting those taken by Centre Officers.

Proximate analysis and sulphur values are reported on the "as received" basis only, whereas calorific values are reported on the "as received" as well as the "dry" basis. As an easy reference, the analyses are arranged by province and state.

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GLOSSARY OF ABBREVIATED TERMS

DND Department of National Defence

DPW Department of Public Works

FRC Fuels Research Centre

Justice Department of Justice

D Delivered

Med Medium

N/S Nut Slack

M Mine

P/S Prepared Stoker

sq Square-Hole Screen

T Tipple

COMM Commercial

NOTE: Unless otherwise designated, all screens are round-hole.

Direction des mines
Circulaire d'information IC 290

ANALYSES DE CHARBON EN 1971

par

W. J. Montgomery* et G. C. Anderson**

INTRODUCTION

Le laboratoire des combustibles solides, au Centre de recherches des combustibles, s'occupe de tous les travaux analytiques sur le charbon mentionnés par la présente publication. Cette circulaire d'information, la onzième d'une série qui doit paraître annuellement, traite des analyses d'échantillons de charbon analysés par le Centre au cours de 1971.

Il faut bien se rappeler que, sauf pour les échantillons prélevés par ses propres fonctionnaires, le Centre n'assume aucune responsabilité en ce qui concerne l'exactitude des techniques d'échantillonnage adoptées pour obtenir les échantillons dont les analyses sont considérées dans la présente circulaire.

On indique les analyses quantitatives approximatives et les teneurs en soufre des échantillons "tels qu'ils nous sont parvenus" seulement, tandis qu'on mentionné les valeurs calorifiques des échantillons "tels qu'ils sont reçus" et aussi "à sec". Pour les fins de référence, les analyses sont classées par province et par état.

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GLOSSAIRE DES ABREVIATIONS

DND	Ministère de la Défense nationale
DPW	Ministère des Travaux publics
FRC	Centre de recherches des combustibles
Justice	Ministère de la Justice
D	Livré
Med	Medium
N/S	Mixtes noisettes-fines
M	Mine
P/S	Braissettes pour foyer mécanique
sq	Crible à trous carrés
T	Criblage
COMM	Commercial
NOTE:	A moins d'être désigné autrement tous les cribles sont à trous ronds.

I. CANADIAN COALS
 PROVINCE OF NOVA SCOTIA
 CAPE BRETON COAL FIELDS
 BITUMINOUS COAL

Sample Number	Designation Size (in.) or Location	Kind of Sample	Sampled By	As Received							Dry		Approximate Tonnage Represented By Sample
				Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value				
									BTU/lb Gross	BTU/lb Gross			
SYDNEY COAL FIELD				OPERATOR: CAPE BRETON DEVELOPMENT CORPORATION (DEVCO)									
				NEW LINGAN MINE									
2360-71	Bulk Channel	M	FRC	5.6	3.7	36.4	54.3	2.1	13590	14390			
2361-71	Bulk Channel	M	FRC	2.8									
2505-71	Bulk Channel	M	FRC	2.8	4.3	39.0	53.9	2.5	13900	14300			
2654-71	Not Designated	M	FRC	4.0	6.0	36.4	53.6	1.9	13370	13930			
2780-71	Not Designated	M	FRC	5.6	4.5	36.1	53.8	2.9	13310	14100			
2995-71	Not Designated	M	FRC	7.7	3.3	34.4	54.6	1.5	13990	14520			
				COLLIERY: NUMBER 12									
2658-71	Egg + 1 3/4	T	FRC	1.1	5.8	38.4	54.7	2.6	14230	14390			
2659-71	Nut 1 3/4 to 3/4 slot	T	FRC	1.0	4.2	39.2	55.6	2.2	14570	14710			
2661-71	Pea 3/4 to 1/4 slot	T	FRC	1.0	5.8	38.6	54.6	2.1	14200	14330			
2171-71	Special Slack -2 sq	T	FRC	0.5	9.2	34.0	56.3	3.6	13890	13970			
2021-71	N/S 2 to 0	D	DND	1.0	11.3	33.4	54.3	2.1	13480	13620	848		
2072-71	N/S 2 to 0	D	DND	2.3	9.4	33.3	55.0	2.4	13540	13860	1029		
2077-71	N/S 2 to 0	D	DND	3.3	8.0	34.0	54.7	2.4	13500	13960	992		
2181-71	N/S 2 to 0	D	DND	4.4	7.7	32.8	55.1	3.4	13480	14090	620		
2187-71	N/S 2 to 0	D	DND	3.0	8.6	36.7	54.7	1.8	13580	14000	989		
2213-71	N/S 2 to 0	D	DND	3.4	8.3	33.0	55.3	2.2	13610	14090	995		
2170-71	Screen + 2 sq	T	FRC	0.6	4.8	35.8	58.8	3.0	14720	14800			
2436-71	2 sq to 0	T	FRC	0.9	3.2	36.4	59.5	2.1	14900	15040			
2437-71	2 sq to 0	T	FRC	0.9	7.3	34.5	57.3	3.5	14290	14420			
2656-71	2 sq to 0	T	FRC	0.6	2.8	37.5	59.1	1.1	14890	14970			
2910-71	2 sq to 0	T	FRC	1.0	5.6	37.5	55.9	2.2	14400	14540			
2660-71	Coarse Slack 1 3/4 to 0	T	FRC	1.0	4.9	39.0	55.1	1.9	14450	14590			
2392-71	N/S 1 3/4 to 0	D	DND	4.8	7.7	34.2	53.2	2.0	13510	14190	734		
2542-71	Slack 2 to 0	T	FRC	0.8	9.8	34.4	55.0	2.6	13720	13830			
2657-71	Slack 2 to 0	T	FRC	0.6	7.2	34.6	57.6	2.2	14240	14330			
2911-71	Slack 2 to 0	T	FRC	1.2	8.2	36.2	54.4	1.6	13830	13990			
2998-71	Slack 2 to 0	T	FRC	1.3	12.3	34.5	51.9	1.5	13380	13550			
2172-71	Fines 1/4 slot to 0	T	FRC	0.5	10.2	33.5	55.8	3.0	13810	13880			
2662-71	Fines 1/4 slot to 0	T	FRC	1.3	10.7	34.9	53.1	2.1	13360	13540			
2541-71	Fines 1/4 to 0	T	FRC	0.8	5.7	35.2	58.3	2.9	14510	14620			
2999-71	Fines 1/4 to 0	T	FRC	2.1	12.3	32.7	52.9	1.2	13200	13480			
				COLLIERY: NUMBER 20									
2311-71	Slack 1 1/2 to 0	T	FRC	0.7	6.2	36.2	56.9	3.3	14200	14310			
2504-71	Slack 1 1/2 to 0	T	FRC	1.1	5.3	38.0	55.6	2.8	14430	15580			
2551-71	Slack 1 1/2 to 0	T	FRC	0.7	8.0	38.4	52.9	3.0	13980	14090			

PROVINCE OF NOVA SCOTIA
CAPE BRETON COAL FIELDS
BITUMINOUS COAL (CONTINUED)

Sample Number	Designation Size (in.) or Location	Kind of Sample	Sampled By	As Received						Dry		Approximate Tonnage Represented By Sample
				Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value			
									BTU/lb Gross	BTU/lb Gross		
SYDNEY COAL FIELD				OPERATOR: CAPE BRETON DEVELOPMENT CORPORATION (CONT'D) (DEVCO)								
				COLLIERY: NUMBER 26								
2313-71	Screen + 2 1/4	T	FRC	0.6	3.2	35.5	60.7	0.9	14810	14900		
2548-71	Screen + 2 1/4	T	FRC	0.9	3.7	36.3	59.1	1.1	14720	14860		
2543-71	Egg + 1 3/4	T	FRC	1.0	6.1	35.5	57.4	1.4	14320	14470		
2912-71	Egg + 1 3/4	T	FRC	1.1	2.2	35.5	61.2	0.7	14970	15140		
2544-71	Nut 1 3/4 to 3/4	T	FRC	1.1	2.4	35.7	60.8	0.7	14970	15130		
2913-71	Nut 1 3/4 to 3/4	T	FRC	1.1	2.4	36.3	60.2	0.8	14860	15030		
2546-71	Pea 3/4 to 1/4	T	FRC	1.0	3.1	35.5	60.4	0.7	14770	14930		
2915-71	Pea 3/4 to 1/4	T	FRC	1.1	2.3	35.5	61.1	0.8	14960	15140		
2315-71	Pea 5/16 to 4 slot	T	FRC	0.6	3.5	34.2	61.7	1.1	14800	14890		
2550-71	Pea 5/16 to 4 slot	T	FRC	1.1	4.3	34.7	59.9	0.8	14640	14800		
2314-71	Slack 2 1/4 to 0	T	FRC	0.6	3.5	34.7	61.2	1.0	14720	14810		
2549-71	Slack 2 1/4 to 0	T	FRC	1.0	3.7	35.2	60.1	1.0	14630	14790		
3000-71	Slack 2 1/4 to 0	T	FRC	1.1	6.1	34.5	58.3	1.3	14350	14510		
2560-71	Slack Not Designated	T	FRC	1.7	4.5	33.8	60.0	0.9	14180	14430		
2545-71	Coarse Slack 1 3/4 to 0	T	FRC	1.1	4.3	35.3	59.3	0.7	14560	14720		
2914-71	Coarse Slack 1 3/4 to 0	T	FRC	1.4	2.9	35.2	60.5	0.8	14750	14960		
2547-71	Fines 1/4 to 0	T	FRC	1.1	5.8	34.0	59.1	1.0	14380	14540		
2916-71	Fines 1/4 to 0	T	FRC	1.9	3.3	33.7	61.1	0.8	14590	14880		
				COLLIERY: PRINCESS								
2173-71	Egg + 1 3/4	T	FRC	0.8	5.0	36.9	57.3	1.5	14310	14430		
3038-71	Egg + 1 3/4	T	FRC	1.1	4.4	39.0	55.6	3.1	14590	14760		
2174-71	Nut 1 3/4 to 3/4 slot	T	FRC	0.9	2.9	37.2	59.0	1.0	14670	14800		
3039-71	Nut 1 3/4 to 3/4	T	FRC	1.1	3.9	39.1	55.9	2.3	14710	14870		
2185-71	P/S 1 3/4 to 3/4	D	DND	2.7	4.1	36.1	57.1	1.1	14120	14510	67	
2226-71	P/S 1 3/4 to 3/4	D	DND	5.5	3.7	35.7	55.1	0.9	13890	14690	64	
2263-71	P/S 1 3/4 to 3/4	D	DND	1.9	3.7	36.1	58.3	1.4	14490	14780	62	
2401-71	P/S 1 3/4 to 3/4	D	DND	3.9	4.0	35.3	56.8	1.4	14230	14800	67	
2463-71	P/S 1 3/4 to 3/4	D	DND	3.8	5.0	36.2	55.0	1.1	13910	14460	69	
2175-71	Pea 3/4 to 1/4 slot	T	FRC	0.9	2.6	37.2	59.3	0.9	14610	14740		
3041-71	Pea 3/4 to 1/4 slot	T	FRC	0.1	4.3	40.3	55.3	2.5	14610	14630		
3040-71	Coarse Slack - 1 3/4	T	FRC	0.2	5.5	39.7	54.6	2.3	14340	14380		
2380-71	N/S 3/4 to 0	D	DND	6.6	7.9	33.7	51.8	1.1	12990	13910	959	
2383-71	N/S 3/4 to 0	D	DND	6.5	7.9	35.6	52.0	0.9	13170	14090	1002	
2393-71	Washed Slack 1 3/4 to 0	D	DND	3.3	10.5	32.9	53.3	2.0	13090	13530	596	
2054-71	Slack 3/4 to 0	D	DND	6.2	7.2	33.0	53.6	1.9	13230	14100	991	
2084-71	Slack 3/4 to 0	D	DND	4.8	12.0	33.2	50.0	1.1	12610	13240	1000	

PROVINCE OF NOVA SCOTIA
 CAPE BRETON COAL FIELDS
 BITUMINOUS COAL (CONTINUED)

Sample Number	Designation Size (in.) or Location	Kind of Sample	Sampled By	As Received							Dry		Approximate Tonnage Represented By Sample
				Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value				
									BTU/lb Gross	BTU/lb Gross			
OPERATOR: CAPE BRETON DEVELOPMENT CORPORATION (CONT'D) DEVCO													
COLLIERY: PRINCESS (CONT'D)													
2128-71	Slack 3/4 to 0	D	DND	0.9	13.7	32.8	52.6	1.1	12790	12910	1003		
2182-71	Slack 3/4 to 0	D	DND	5.2	8.1	33.6	53.1	0.9	13040	13760	949		
2202-71	Slack 3/4 to 0	D	DND	5.0	7.0	33.9	54.1	1.1	13510	14230	1000		
2252-71	Slack 3/4 to 0	D	DND	4.5	7.3	33.3	54.9	0.8	13390	14030	975		
2259-71	Slack 3/4 to 0	D	DND	4.3	10.4	32.1	53.2	1.7	13040	13630	942		
2176-71	Fines 1/4 to 0	T	FRC	0.8	8.8	34.8	55.6	1.0	13700	13810			
3042-71	Fines 1/4 to 0	T	FRC	0.8	8.9	38.1	52.2	2.2	13750	13860			
COLLIERY: VARIOUS COLLIERIES OPERATED BY DEVCO IN THE SYDNEY COAL FIELD													
2972-71	P/S 1 1/4 to 1/4	D	DND	3.3	2.8	35.1	58.8	0.9	14470	14960	12		
3095-71	P/S 3/4 to 1/4 oil treated	D	DND	4.3	3.7	37.3	54.7	2.0	14270	14910	21		
2012-71	N/S 2 to 0	D	DND	6.8	8.9	31.6	52.7	2.3	12920	13860	998		
2051-71	N/S 2 to 0	D	DND	10.5	9.8	30.2	49.5	1.7	12200	13640	38		
2052-71	N/S 2 to 0	D	DND	6.0	9.3	32.5	52.2	1.7	13120	13960	20		
2053-71	N/S 2 to 0	D	DND	6.6	8.2	32.6	52.6	1.8	13120	14040	691		
2055-71	N/S 2 to 0	D	DND	2.4	8.0	33.6	56.0	2.2	13890	14230	555		
2056-71	N/S 2 to 0	D	DND	3.0	8.1	33.3	55.6	2.6	13670	14090	1115		
2075-71	N/S 2 to 0	D	DND	9.4	-	-	-	-	-	-	745		
2076-71	N/S 2 to 0	D	DND	8.7	8.8	31.3	51.2	2.0	12610	13810	998		
2082-71	N/S 2 to 0	D	DND	2.8	9.4	33.8	54.0	2.7	13450	13840	1005		
2083-71	N/S 2 to 0	D	DND	4.9	8.5	33.0	53.6	1.9	13370	14060	397		
2086-71	N/S 2 to 0	D	DND	2.6	8.3	33.8	55.3	2.3	13660	14030	591		
2129-71	N/S 2 to 0	D	DND	0.8	8.6	34.0	56.6	2.5	14090	14210	981		
2139-71	N/S 2 to 0	D	DND	8.6	9.8	30.7	50.9	2.2	12420	13590	994		
2140-71	N/S 2 to 0	D	DND	3.0	8.9	32.9	55.2	2.5	13410	13820	537		
2145-71	N/S 2 to 0	D	DND	5.3	9.3	32.9	52.5	2.0	13210	13950	244		
2146-71	N/S 2 to 0	D	DND	1.8	9.3	34.0	54.9	1.9	13570	13810	655		
2147-71	N/S 2 to 0	D	DND	5.5	9.8	31.8	52.9	2.4	13060	13820	1000		
2184-71	N/S 2 to 0	D	DND	8.1	9.7	31.2	51.0	2.0	12440	13530	565		
2186-71	N/S 2 to 0	D	DND	3.4	9.7	32.8	54.1	2.6	13340	13810	794		
2229-71	N/S 2 to 0	D	DND	2.5	8.8	33.9	54.8	2.1	13700	14050	385		
2230-71	N/S 2 to 0	D	DND	5.8	9.6	31.9	52.7	1.5	13100	13910	568		
2253-71	N/S 2 to 0	D	DND	2.4	11.1	32.4	54.1	2.7	13200	13520	879		
2256-71	N/S 2 to 0	D	DND	4.5	9.5	32.7	53.3	1.9	13220	13850	943		
2257-71	N/S 2 to 0	D	DND	3.8	8.5	33.0	54.7	2.2	13500	14020	215		
2258-71	N/S 2 to 0	D	DND	2.9	8.2	33.5	55.4	2.1	13700	14100	560		
2260-71	N/S 2 to 0	D	DND	3.2	8.2	33.5	55.1	2.1	13630	14080	964		
2262-71	N/S 2 to 0	D	DND	2.5	10.5	32.5	54.5	2.1	13330	13670	958		

PROVINCE OF NOVA SCOTIA
 CAPE BRETON COAL FIELDS
 BITUMINOUS COAL (CONTINUED)

Sample Number	Designation Size (in.) or Location	Kind of Sample	Sampled By	As Received							Dry		Approximate Tonnage Represented By Sample
				Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value				
									BTU/lb Gross	BTU/lb Gross			
SYDNEY COAL FIELD				OPERATOR: CAPE BRETON DEVELOPMENT CORPORATION (CONT'D) (DEVCO)									
				COLLIERY: VARIOUS COLLIERIES OPERATED BY DEVCO IN THE SYDNEY COAL FIELD									
2355-71	N/S 2 to 0	D	DND	3.9	8.5	34.2	53.4	1.4	13480	14030	590		
2365-71	N/S 2 to 0	D	DND	2.3	11.2	33.9	52.6	2.5	13320	13630	1044		
2375-71	N/S 2 to 0	D	DND	2.3	9.8	35.4	52.5	2.6	13530	13850	611		
2409-71	N/S 2 to 0	D	DND	4.2	8.9	33.1	53.8	2.3	13370	13950	215		
2411-71	N/S 2 to 0	D	DND	5.6	10.1	33.7	50.6	1.8	12930	13690	848		
2474-71	N/S 2 to 0	D	DND	4.3	8.3	-	-	-	-	-	369		
2495-71	N/S 2 to 0	D	DND	3.1	9.6	34.3	53.0	1.7	13370	13810	573		
2513-71	N/S 2 to 0	D	DND	1.9	8.2	35.0	54.9	2.3	13920	14180	432		
2525-71	N/S 2 to 0	D	DND	2.7	9.3	34.4	53.6	1.8	13580	13960	732		
2557-71	N/S 2 to 0	D	DND	3.0	9.6	33.3	54.1	2.1	13300	13710	414		
2558-71	N/S 2 to 0	D	DND	2.1	10.2	35.9	53.8	2.0	13480	13770	134		
2706-71	N/S 2 to 0	D	DND	3.4	9.9	32.9	53.8	1.3	13250	13720	997		
2843-71	N/S 2 to 0	D	DND	2.8	12.1	33.0	52.1	1.6	13060	13440	952		
2853-71	N/S 2 to 0	D	DND	2.6	11.6	33.4	52.4	1.6	13060	13410	56		
2854-71	N/S 2 to 0	D	DND	2.6	13.2	32.8	51.4	1.5	12800	13140	1019		
2875-71	N/S 2 to 0	D	DND	4.4	11.5	32.3	51.8	1.5	12740	13330	47		
2524-71	N/S 2 to 0	D	DND	3.2	10.0	33.9	52.9	1.6	13330	13770	292		
2974-71	N/S 2 to 0	D	DND	1.9	13.1	33.3	51.7	1.6	13000	13260	475		
3093-71	N/S 2" to 0	D	DND	3.4	14.2	32.7	49.7	1.8	12570	13010	216		
3096-71	N/S 2 to 0	D	DND	2.4	13.0	32.8	51.8	1.6	12970	13300	125		
3145-71	N/S 2 to 0	D	DND	5.1	12.1	31.9	50.9	1.4	12860	13550	322		
3149-71	N/S 2 to 0	D	DND	1.4	12.5	33.5	52.6	1.5	13270	13460	296		
2501-71	N/S 2 to 0	D	DND	3.5	9.9	33.6	53.0	3.2	13360	13830	1656		
2554-71	N/S 2 to 0	D	DND	3.5	9.1	33.9	55.5	2.3	13410	13890	579		
2565-71	N/S 2 to 0	D	DND	5.6	9.8	33.1	51.5	1.6	13000	13770	1000		
2573-71	N/S 2 to 0	D	DND	4.2	10.4	33.1	52.3	2.2	13160	13740	243		
2467-71	N/S 2 to 1 1/2	D	DND	5.8	9.7	33.1	51.4	1.5	12850	13640	999		
2471-71	N/S 2 to 1 1/2	D	DND	7.2	8.3	32.3	51.2	1.8	12900	13900	910		
2499-71	N/S 2 to 1 1/2	D	DND	1.7	8.5	34.9	54.9	2.0	13880	14110	487		
2500-71	N/S 2 to 1 1/2	D	DND	3.3	8.9	34.2	53.6	1.7	13530	13990	704		
2469-71	N/S 2 to 1 1/4	D	DND	2.7	5.0	37.3	55.0	1.1	14190	14580	666		
2564-71	N/S 2 to 1 1/4	D	DND	2.8	9.5	33.7	54.0	1.4	13520	13920	381		
2468-71	N/S 2 to 1 1/4	D	DND	3.2	11.1	33.7	52.0	1.7	13240	13680	1045		
3116-71	N/S 2 to 1 1/4	D	DND	3.2	15.0	31.7	50.1	1.9	12520	12930	964		
2169-71	Slack 1 1/2 to 0	T.	FRC	0.6	4.3	36.1	59.0	3.2	14530	14610	-		
3037-71	Slack 3/4 to 0 oil treated	D	DND	5.7	11.5	33.2	49.6	2.5	12720	13490	980		
3094-71	Slack 3/4 to 0 oil treated	D	DND	7.6	12.5	33.1	46.8	3.4	12300	13310	987		
3138-71	Slack 3/4 to 0 oil treated	D	DND	6.2	8.1	34.4	51.3	2.0	13180	14050	492		

PROVINCE OF NOVA SCOTIA
CAPE BRETON COAL FIELDS
BITUMINOUS COAL (CONTINUED)

Sample Number	Designation Size (in.) or Location	Kind of Sample	Sampled By	As Received							Dry		Approximate Tonnage Represented By Sample
				Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value				
									BTU/lb Gross	BTU/lb Gross			
INVERNESS COAL FIELD				OPERATOR: EVANS COAL MINES LIMITED									
2438-71	Med. Lump	T	FRC	4.5	8.5	36.0	51.0	6.4	12410	13000			
2781-71	Med. Lump	T	FRC	5.4	9.6	34.5	50.5	5.9	12010	12700			
2439-71	Egg 3 1/4 to 2 sq	T	FRC	5.2	8.6	35.5	50.7	6.4	12320	12990			
2782-71	Egg	T	FRC	4.8	8.8	36.5	49.9	6.1	12180	12790			
2440-71	Nut 2 to 3/4 sq	T	FRC	4.4	9.5	36.8	49.3	6.2	12280	12840			
2783-71	Nut	T	FRC	5.3	10.0	35.9	48.8	6.2	11950	12610			
2441-71	Stoker Pea 3/4 to 1/4 slot	T	FRC	6.2	8.7	34.9	50.3	5.8	12160	12960			
2784-71	Stoker Pea	T	FRC	5.3	10.3	35.4	49.0	6.3	11890	12560			
2442-71	Fines 1/4 to 0	T	FRC	5.7	10.7	34.6	49.0	5.7	11810	12510			
2785-71	Fines	T	FRC	4.6	14.8	34.6	46.0	5.5	11260	11800			
MAINLAND COAL FIELDS				OPERATOR: DRUMMOND COAL CO. LTD.									
PICTOU COUNTY COAL FIELD				OPERATOR: THORBURN MINING LIMITED McBEAN MINE									
3107-71	Lump + 1 1/2 sq	T	FRC	1.9	23.0	24.9	50.2	1.0	10970	11190			
3111-71	Lump + 1 1/2 sq	T	FRC	2.9	18.1	26.2	52.8	1.4					
3108-71	Nut 1 1/2 to 3/4	T	FRC	2.2	21.2	24.7	51.9	1.0	11230	11480			
3109-71	Stoker Pea 3/4 to 1/4	T	FRC	3.3	20.1	24.1	52.5	1.0	11260	11640			
3110-71	Fines 1/4 to 0	T	FRC	2.7	20.8	24.5	52.0	0.9	11220	11520			
3101-71	Egg + 1 3/4 sq	T	FRC	1.6	19.5	28.9	50.0	1.2	11700	11890			
3102-71	Nut 1 3/4 to 3/4 sq	T	FRC	1.6	21.3	27.0	50.1	0.7	11380	11570			
3103-71	Stoker 3/4 to 3/16	T	FRC	1.7	19.6	27.4	51.3	0.7	11650	11850			
3115-71	N/S 2 to 1 3/4	D	DND	4.7	20.1	26.3	48.9	0.8	11130	11430	981		
2465-71	N/S 2 to 1 1/4	D	DND	6.5	18.8	26.3	48.4	0.7	10990	11740	630		
3133-71	N/S 2 to 1 1/4	D	DND	5.5	20.2	26.1	48.2	0.8	10980	11610	981		
2079-71	N/S 2 to 0	D	DND	6.0	19.1	26.0	48.9	0.6	11090	11790	463		
2081-71	N/S 2 to 0	D	DND	8.7	16.7	25.7	48.9	0.9	11090	12140	584		
2347-71	N/S 2 to 0	D	DND	5.0	15.2	29.5	50.3	1.3	11990	12630	150		
2899-71	N/S 2 to 0	D	DND	4.7	20.3	26.4	48.6	0.7	11060	11610	973		
2005-71	N/S 1 3/4 to 0	D	DND	4.4	19.3	26.6	49.7	0.7	11280	11790	1015		
2006-71	N/S 1 3/4 to 0	D	DND	4.2	21.2	26.6	48.0	0.7	11100	11600	976		
2057-71	N/S 1 3/4 to 0	D	DND	8.7	18.5	25.4	47.4	0.7	10760	11790	545		
2144-71	N/S 1 3/4 to 0	D	DND	4.7	19.5	26.3	49.5	0.9	11170	11720	986		
2183-71	N/S 1 3/4 to 0	D	DND	4.0	19.6	26.5	49.9	0.7	11200	11660	997		
2345-71	N/S 1 3/4 to 0	D	DND	4.6	20.0	26.4	49.0	0.7	11120	11660	992		
2346-71	N/S 1 3/4 to 0	D	DND	5.0	19.9	26.6	48.5	0.6	10060	11640	1017		
2351-71	N/S 1 3/4 to 0	D	DND	4.7	20.5	26.7	48.1	0.7	11000	11540	992		
2394-71	N/S 1 3/4 to 0	D	DND	3.9	18.9	27.0	50.2	0.7	11390	11850	767		
2404-71	N/S 1 3/4 to 0	D	DND	5.4	20.3	26.3	48.0	0.8	10930	11550	1026		
2475-71	N/S 1 3/4 to 0	D	DND	5.0	19.9	26.9	48.2	0.7	11030	11620	1140		

PROVINCE OF NOVA SCOTIA
MAINLAND COAL FIELDS
BITUMINOUS COAL (CONTINUED)

Sample Number	Designation Size (in.) or Location	Kind of Sample	Sampled By	As Received							Dry		Approximate Tonnage Represented By Sample
				Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value				
									BTU/lb Gross	BTU/lb Gross			
PICTOU COUNTY COAL FIELD				OPERATOR: THORBURN MINING LIMITED McBEAN MINE (CONT'D)									
2476-71	N/S 1 3/4 to 0	D	DND	4.2	21.0	26.7	48.1	1.0	10980	11460	1141		
2496-71	N/S 1 3/4 to 0	D	DND	5.4	20.8	26.5	47.3	0.5	10860	11480	1488		
2621-71	N/S 1 3/4 to 0	D	DND	4.3	20.7	27.4	47.7	0.5	10980	11470	981		
2630-71	N/S 1 3/4 to 0	D	DND	2.4	21.1	27.5	49.0	0.7	11350	11380	165		
2653-71	N/S 1 3/4 to 0	D	DND	3.0	20.5	27.6	48.9	0.6	11180	11530	1024		
2729-71	N/S 1 3/4 to 0	D	DND	3.7	20.8	27.1	48.4	0.6	11100	11530	1047		
2808-71	N/S 1 3/4 to 0	D	DND	4.3	21.4	26.0	48.3	0.9	11960	11460	979		
2809-71	N/S 1 3/4 to 0	D	DND	3.8	21.1	26.4	48.7	0.8	11120	11550	969		
2842-71	N/S 1 3/4 to 0	D	DND	3.2	21.2	26.9	48.7	0.6	11190	11560	906		
2840-71	N/S 1 3/4 to 0	D	DND	2.6	20.8	27.9	48.7	0.6	11290	11590	976		
2855-71	N/S 1 3/4 to 0	D	DND	4.3	20.5	26.9	48.3	0.7	11050	11550	1049		
2856-71	N/S 1 3/4 to 0	D	DND	3.5	21.2	26.9	48.4	0.7	11040	11440	989		
2884-71	N/S 1 3/4 to 0	D	DND	3.8	21.2	27.3	47.7	0.7	11060	11500	999		
3032-71	N/S 1 3/4 to 0	D	DND	3.9	21.0	26.8	48.3	0.8	11030	11480	988		
3033-71	N/S 1 3/4 to 0	D	DND	3.2	21.0	26.6	49.2	0.7	11120	11490	1069		
3097-71	N/S 1 3/4 to 0	D	DND	5.6	20.5	26.0	47.9	0.8	10910	11550	487		
3147-71	N/S 1 3/4 to 0	D	DND	5.0	20.7	26.8	47.5	0.7	10960	11540	1065		
3148-71	N/S 1 3/4 to 0	D	DND	5.6	20.6	26.6	47.2	0.7	10820	11470	737		
2405-71	N/S 1 1/4 to 0	D	DND	6.7	19.5	26.6	41.2	0.8	10680	11440	940		
2559-71	N/S 1 1/4 to 0	D	DND	5.2	19.9	27.3	47.6	0.7	11030	11630	988		
2563-71	N/S 1 1/4 to 0	D	DND	3.5	20.6	27.2	48.7	0.6	11180	11580	768		
2823-71	N/S 1 1/4 to 0	D	DND	5.2	20.8	26.7	47.3	0.7	10870	12100	980		
2824-71	N/S 1 1/4 to 0	D	DND	4.2	20.7	26.9	48.2	0.8	11060	11540			
3104-71	Washed Splint 1 1/2 to 0	T	FRC	1.4	27.9	26.2	44.5	0.7	10320	10470			
3106-71	Washed Splint 1 1/2 to 0	T	FRC	1.7	24.8	25.7	47.8	0.9	10760	10940			
3105-71	Fines 3/16 to 0	T	FRC	1.8	22.7	26.9	48.6	0.7	11050	11250			
CUMBERLAND COUNTY COAL FIELDS JOGGINS COAL FIELD				OPERATOR: RIVER HEBERT COAL CO. LTD.									
2789-71	Lump	T	FRC	2.1	11.2	35.7	51.0	4.9	12810	13080			
2790-71	Slack	T	FRC	1.3	25.1	30.9	42.7	4.7	10690	10820			
PROVINCE OF NEW BRUNSWICK MINTO COAL FIELDS BITUMINOUS COAL				OPERATOR: N. B. COAL LIMITED FORMERLY D.W. and R.A. MILLS LTD.									
MINTO AND CHIPMAN													
2080-71	Lump 1 to 6	D	DND	3.4	15.2	32.4	49.0	6.5	12370	12800	161		
2255-71	Lump 1 to 6	D	DND	1.8	17.8	31.2	49.2	6.6	12150	12370	116		
2408-71	Lump 1 to 6	D	DND	3.1	15.5	33.1	48.3	6.8	12270	12660	49		
2473-71	Lump 1 to 6	D	DND	2.3	16.7	33.2	47.8	6.4	12260	12550	54		

PROVINCE OF NEW BRUNSWICK
MINTO COAL FIELDS

BITUMINOUS COAL (CONTINUED)

Sample Number	Designation Size (in.) or Location	Kind of Sample	Sampled By	As Received						Dry		Approximate Tonnage Represented By Sample
				Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value			
									BTU/lb Gross	BTU/lb Gross		
MINTO AND GHIPMAN				OPERATOR: N. B. COAL LIMITED FORMERLY D.W. AND R.A. MILLS LTD. (CONT'D)								
2920-71	Power Plant coal raw	T	FRC	3.3	12.2	29.0	55.5	5.8	12780	13220		
2922-71	Power Plant coal raw	T	FRC	17.5	6.7	27.5	48.3	2.2	11080	13430		
2924-71	Power Plant coal raw	T	FRC	1.7	11.3	32.8	54.2	5.9	13320	13550		
2933-71	Raw Coal	T	FRC	3.2	24.2	30.7	41.9	8.4	10820	11170		
2929-71	Lump + 1 1/2 washed	T	FRC	0.4	19.5	32.9	48.2	8.7	12010	12060		
2930-71	Nut 1 1/2 to 1	T	FRC	3.6	14.8	33.0	48.6	6.4	12450	12910		
2125-71	P/S 1 3/4 to 3/4	D	DND	2.8	16.3	32.0	48.9	6.7	12310	12670	338	
2446-71	P/S 1 1/2 to 1/2	D	DND	0.9	12.6	35.9	50.6	5.5	13220	13330	134	
2447-71	P/S 1 1/2 to 1/2	D	DND	1.2	13.5	35.2	50.1	5.6	13000	13150	64	
2073-71	P/S 1 1/2 to 1/2	D	DND	1.2	7.6	36.7	54.5	4.2	13940	14100	273	
2227-71	P/S 1 1/2 to 3/8	D	DND	1.3	14.9	33.4	50.4	6.7	12850	13010	197	
2254-71	P/S 1 1/2 to 3/8	D	DND	5.2	13.5	32.3	49.0	6.0	12370	13040	877	
2074-71	P/S 1 1/2 to 3/8	D	DND	1.3	18.4	33.1	47.2	6.9	11990	12160	93	
2261-71	P/S 1 1/2 to 3/8	D	DND	1.3	14.6	32.9	51.2	6.2	12880	13060	94	
2382-71	P/S 1 1/2 to 3/8	D	DND	1.4	14.1	34.4	49.1	5.9	12770	13080	722	
2402-71	P/S 1 1/2 to 3/8	D	DND	1.4	13.8	34.4	50.4	6.4	12990	13170	92	
2450-71	P/S 1 1/2 to 3/8	D	DND	1.2	14.1	34.6	50.1	5.4	12950	13110	536	
2464-71	P/S 1 1/2 to 3/8	D	DND	10.7	11.9	31.8	45.6	5.7	11803	13220	92	
2527-71	P/S 1 1/2 to 3/8	D	DND	2.3	13.5	34.1	50.1	6.0	12790	13080	811	
2536-71	P/S 1 1/2 to 3/8	D	DND	1.5	14.3	33.9	50.3	5.9	12850	13050	92	
2572-71	P/S 1 1/2 to 3/8	D	DND	1.5	14.8	33.5	50.2	5.6	12740	12920	824	
2225-71	P/S 1 1/4 to 1/2	D	DND	2.1	16.9	31.6	49.4	7.0	12220	12490	61	
2352-71	P/S 1 1/4 to 1/2	D	DND	1.9	13.7	34.1	50.3	6.0	12900	13150	66	
2448-71	P/S 1 1/4 to 1/2	D	DND	3.2	14.9	32.6	49.3	6.4	12460	12870	53	
2078-71	P/S 1 1/4 to 1/4	D	DND	1.4	13.7	33.4	51.5	6.0	12850	13040	52	
2188-71	P/S 1 to 1/4	D	DND	3.0	13.3	23.6	50.1	5.8	12630	13020	66	
2010-71	P/S 3/4 to 1/4	D	Justice	1.3	17.3	33.0	48.4	6.9	12360	12520	610	
2022-71	P/S 3/4 to 1/4	D	Justice	1.8	13.4	33.7	51.1	5.9	13050	13280	971	
2087-71	P/S 3/4 to 1/4	D	DND	0.8	15.2	33.2	50.8	6.4	12660	12760	994	
2228-71	P/S 3/4 to 1/4	D	Justice	3.3	16.4	30.9	49.4	7.0	12150	12570	-	
2410-71	P/S 3/4 to 1/4	D	Justice	1.1	12.7	34.5	51.7	5.4	13220	13370	800	
2407-71	P/S 3/4 to 1/4	D	Justice	1.3	13.9	34.1	50.7	5.7	12970	13140	1112	
2523-71	P/S 3/4 to 1/4	D	Justice	2.3	14.4	34.5	48.8	5.7	12700	12990	888	
2555-71	P/S 3/4 to 1/4	D	Justice	1.4	11.8	36.2	50.6	4.7	13070	13250	397	
2631-71	P/S 3/4 to 1/4	D	Justice	1.4	14.4	34.7	49.5	5.8	12810	12990	407	
3092-71	P/S 3/4 to 1/4	D	Justice	1.3	14.3	35.4	49.1	6.1	12720	12880	519	
2466-71	P/S 3/4 to 1/4	D	Justice	3.4	13.6	33.8	49.2	5.8	12640	13090	121	
2931-71	Pea 3/4 to 1/4	T	FRC	0.7	14.5	34.5	50.3	6.1	12950	13030		
2356-71	N/S 2 to 0	D	DND	2.4	14.5	33.5	49.6	6.3	12560	12870	983	
2406-71	N/S 2 to 0	D	DND	1.0	13.1	34.7	51.2	6.1	13110	13240	105	

PROVINCE OF NEW BRUNSWICK
MINTO COAL FIELDS
BITUMINOUS COAL (CONTINUED)

Sample Number	Designation Size (in.) or Location	Kind of Sample	Sampled By	As Received						Dry		Approximate Tonnage Represented By Sample
				Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value			
									BTU/lb Gross	BTU/lb Gross		
MINTO AND CHIPMAN				OPERATOR: N. B. COAL LIMITED FORMERLY D.W. AND R.A. MILLS LTD. (CONT'D)								
2909-71	N/S 2 to 0	D	DND	1.4	14.5	34.5	49.6	6.3	12810	12990	542	
2349-71	N/S 1 3/4 to 0	D	DND	3.3	17.0	32.5	47.2	6.8	12100	12520	1019	
2472-71	N/S 1 3/4 to 0	D	DND	2.4	15.8	33.3	48.5	6.1	12380	12690	537	
2841-71	N/S 1 3/4 to 0	D	DND	1.4	-	-	-	-	-	-	92	
2932-71	Fines 1/4 to 0	W	FRC	4.1	14.1	32.7	49.1	5.6	12500	13040		
PROVINCE OF ONTARIO												
ONAKAWANA												
2132-71	Feed to power plant	Special	COMM	37.6	10.9	24.9	26.6	-	-	-		
2133-71	Feed to power plant	Special	COMM	35.5	7.7	26.7	30.1	-	-	-		
2251-71	Woody lignite	Special	COMM	5.7	3.5	47.6	43.2	0.6	11430	12120		
2775-71	Feed to power plant	Belt	COMM	25.6	10.6	31.5	32.3	0.7	7420	9970		
2776-71	Feed to power plant	Belt	COMM	24.6	8.7	31.9	34.8	0.7	8020	10610		
PROVINCE OF SASKATCHEWAN SOURIS VALLEY DISTRICT LIGNITE												
BIENFAIT				OPERATOR: MANITOBA AND SASKATCHEWAN COAL COMPANY LIMITED								
2034-71	Char	D	COMM	4.0	19.1	12.9	64.0	-	-	-		
2936-71	Cobble + 4 1/2	T	FRC	34.6	5.9	27.8	31.7	0.4	7300	11170		
2937-71	Egg 4 1/2 to 2 sq	T	FRC	35.5	5.8	27.3	31.4	0.4	7120	11050		
2938-71	Booker 2 to 1 sq	T	FRC	32.0	7.1	27.0	33.9	0.4	7650	11250		
2939-71	Pea 1 to 1/2 sq	T	FRC	33.1	7.0	26.8	33.1	0.4	7380	11040		
2940-71	Slack (Bug Dust) - 1/2 sq	T	FRC	31.3	8.9	27.3	32.5	0.6	7390	10760		
				OPERATOR: UTILITY COALS LTD. UTILITY MINE								
2941-71	2 to 0	Power Plant	FRC	34.4	10.6	24.3	30.7	0.4	6640	10110		
ESTEVAN				OPERATOR: BATTLE RIVER COAL, A DIVISION OF ALBERTA COAL LTD. KLIMAX MINE								
2942-71	Egg 4 to 2 sq	T	FRC	34.0	6.2	27.6	32.2	0.6	7290	11040		
2943-71	Booker 2 to 1 sq	T	FRC	36.1	6.3	26.0	31.6	0.6	6970	10890		
2944-71	Pea 1 to 1/2 sq	T	FRC	36.4	6.9	26.3	30.4	0.7	6990	10990		
2945-71	Bug Dust -1/2 sq	T	FRC	37.4	8.1	26.6	27.9	0.9	6790	10840		

PROVINCE OF ALBERTA
MEDIUM-VOLATILE BITUMINOUS

Sample Number	Designation Size (in.) or Location	Kind of Sample	Sampled By	As Received						Dry		Approximate Tonnage Represented By Sample
				Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value			
									BTU/lb Gross	BTU/lb Gross		
CROWSNEST				OPERATOR: COLEMAN COLLIERIES LTD. VICARY CREEK MINE NO. 1747 AND TENT MOUNTAIN MINE NO. 1695								
3090-71	Clean Coal - 2 sq.	D	FRC	3.4	11.8	21.8	63.0	0.6	12980	13430		
3134-71	Clean Coal - 2 sq.	D	FRC	0.8	8.9	23.4	66.9	0.6	13880	13990		
3091-71	Clean Coal - 2 sq.	D	FRC	23.6*	9.3	17.5	49.6	0.5	10240	13400		
3135-71	Clean Coal - 2 sq.	D	FRC	17.7*	7.3	19.0	56.0	0.5	11530	14010		

*Samples shipped underwater.

LOW-VOLATILE BITUMINOUS - SEMI-ANTHRACITE

CASCADE				OPERATOR: THE CANMORE MINES LIMITED							
2018-71	Lump 5 to 2	D	DND	1.7	7.7	12.0	78.6	0.8	14000	14230	39
2126-71	Lump 5 to 2	D	DND	2.1	6.6	11.3	80.0	0.9	14080	14390	59
2218-71	Lump 5 to 2	D	DND	2.9	9.0	11.8	76.3	0.8	13540	13940	42
2376-71	Lump 5 to 2	D	DND	3.3	5.6	13.2	77.9	0.9	14130	14600	43
2988-71	Cobble 5 to 2 sq (Wilson)	T	FRC	1.7	7.3	11.8	79.2	0.6	14100	14330	
2989-71	Stoker 1 1/4 sq to 1/4 slot (Wilson)	T	FRC	4.2	5.1	11.5	79.3	0.7	14080	14700	
2017-71	P/S 1 1/4 to 1/4	D	DND	4.2	6.1	11.3	78.4	0.7	13920	14530	70
2019-71	P/S 1 1/4 to 1/4	D	DND	3.3	7.9	12.3	76.5	0.8	13700	14170	80
2127-71	P/S 1 1/4 to 1/4	D	DND	4.7	7.4	11.8	76.1	0.8	13470	14130	86
2142-71	P/S 1 1/4 to 1/4	D	DND	1.1	6.9	12.5	79.5	1.0	14150	14310	150
2216-71	P/S 1 1/4 to 1/4	D	DND	6.7	5.4	12.8	75.1	0.8	13560	14540	107
2217-71	P/S 1 1/4 to 1/4	D	DND	7.2	8.0	11.3	73.5	0.8	13120	14140	180
2377-71	P/S 1 1/4 to 1/4	D	DND	1.5	7.5	16.7	74.3	0.8	14040	14250	92
2379-71	P/S 1 1/4 to 1/4	D	DND	5.0	6.2	12.1	76.7	0.8	13790	14510	176
2502-71	P/S 1 1/4 to 1/4	D	DND	3.7	6.1	13.1	77.1	0.7	14020	14550	176
2503-71	P/S 1 1/4 to 1/4	D	DND	7.9	6.4	11.8	73.9	0.7	13270	14400	225
2528-71	P/S 1 1/4 to 1/4	D	DND	2.9	6.2	12.0	78.9	0.7	14100	14520	150
2529-71	P/S 1 1/4 to 1/4	D	DND	1.4	6.0	12.8	79.8	0.8	14330	14530	109
2594-71	P/S 1 1/4 to 1/4	D	DND	1.6	6.4	12.1	78.9	0.7	14230	14460	70
2595-71	P/S 1 1/4 to 1/4	D	DND	2.2	6.2	12.0	79.6	0.8	14180	14500	100
2990-71	Slack 1/4 slot to 0 Wilson	T	FRC	9.8	7.0	11.3	71.9	0.6	12890	14290	
2994-71	Balmer, Special	T	FRC	6.0	13.7	20.5	59.8	-	-	-	

MEDIUM-VOLATILE BITUMINOUS

MOUNTAIN PARK				OPERATOR: CARDINAL RIVER COALS LTD. MINE NUMBER 1768							
2992-71	Clean Coal 1 3/4 to 0	T	FRC	3.0	7.6	23.6	65.8	0.2	13870	14310	
2993-71	Feed to Prep. Plant 1 3/4 to 0 T	T	FRC	3.5	26.2	21.4	49.9	0.3	10620	11000	

PROVINCE OF ALBERTA
SUBBITUMINOUS

Sample Number	Designation Size (in.) or Location	Kind of Sample	Sampled By	As Received							Dry		Approximate Tonnage Represented By Sample
				Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value				
									BTU/lb Gross	BTU/lb Gross			
CASTOR				OPERATOR: BATTLE RIVER COAL, A DIVISION OF ALBERTA COAL LTD. MINE NUMBER 1046									
3051-71	Lump + 4 1/2 sq	T	FRC	24.9	6.7	30.7	37.7	0.4	8620	11480			
3052-71	Egg 4 1/2 to 2 sq	T	FRC	26.7	7.1	29.5	36.7	0.3	8310	11340			
3053-71	Nut 2 to 1 sq	T	FRC	25.7	7.4	29.5	37.4	0.4	8370	11260			
3054-71	Stoker 1 to 5/8 sq	T	FRC	25.6	7.0	30.1	37.3	0.4	8530	11470			
3055-71	Slack - 5/8 sq	T	FRC	25.9	7.9	28.4	37.8	0.5	8330	11230			
3056-71	Pit run	T	FRC	25.1	8.2	29.2	37.5	0.5	8280	11060			
				OPERATOR: FORESTBURG COLLIERIES LIMITED MINE NUMBER 1578									
3045-71	Lump + 4 1/2	T	FRC	26.3	5.6	30.9	37.2	0.4	8520	11560			
3046-71	Egg 4 1/2 to 2	T	FRC	26.8	5.8	29.4	38.0	0.6	8510	11630			
3047-71	Nut 2 to 1 1/4 sq	T	FRC	25.2	6.2	29.6	39.0	0.3	8780	11720			
3048-71	Stoker 1 1/4 sq to 1/2 slot	T	FRC	25.9	6.4	28.9	38.8	0.5	8560	11550			
3049-71	Slack - 1/2 slot	T	FRC	26.5	6.7	29.6	37.2	0.5	8460	11500			
3050-71	Pit run crushed to - 1	T	FRC	25.8	10.1	28.3	35.8	0.5	8010	10790			
DRUMHELLER				OPERATOR: CENTURY COALS LTD. MINE NUMBER 1742									
3080-71	Lump + 4 1/2	T	FRC	19.3	6.9	31.7	42.1	0.4	9440	11700			
2960-71	Egg 4 1/2 to 2	D	DND	17.3	9.3	31.8	41.6	0.5	9340	11300			
3081-71	Egg 4 1/2 to 2	T	FRC	18.9	7.7	31.2	42.2	0.5	9370	11540			
3082-71	Nut 2 to 1 3/8	T	FRC	19.9	8.9	29.7	41.5	0.7	9030	11280			
3083-71	Stoker 1 3/8 to 5/8	T	FRC	18.5	8.8	32.2	40.5	0.7	9190	11280			
3084-71	Slack - 5/8	T	FRC	19.6	9.2	30.4	40.8	0.4	8990	11180			
EDMONTON				OPERATOR: EGG LAKE COAL COMPANY LIMITED MINE NUMBER 1582									
2953-71	Channel Sample, North Pit	M	FRC	27.6	6.9	29.6	35.9	0.3	7950	10990			
				OPERATOR: STAR-KEY MINES LTD. MINE NUMBER 1626									
2946-71	Lump + 4 1/2	T	FRC	23.4	8.7	29.5	38.4	0.2	8380	10940			
2947-71	Stove 4 1/2 to 2 sq	T	FRC	24.0	7.9	29.2	38.9	0.4	8420	11080			
2948-71	Nut 2 to 1 1/8 sq	T	FRC	24.3	9.7	27.4	38.6	0.3	8170	10780			
2949-71	Stoker 1 1/8 to 3/8 sq	T	FRC	25.6	9.9	27.3	37.2	0.3	8190	11000			
2950-71	Slack - 3/8 sq	T	FRC	24.3	10.4	27.3	38.0	0.3	8120	10730			
PEMBINA				OPERATOR: ALBERTA COAL LTD. HIGHVALE MINE MINE NUMBER 1769									
2952-71	Slack 3/4 to 0	Power Plant	FRC	20.9	14.2	26.0	38.9	0.3	7990	10110			

PROVINCE OF ALBERTA
SUBBITUMINOUS (CONTINUED)

Sample Number	Designation Size (in.) or Location	Kind of Sample	Sampled By	As Received						Dry		Approximate Tonnage Represented By Sample
				Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value			
									BTU/lb Gross	BTU/lb Gross		
PEMBINA				OPERATOR: ALBERTA COAL LTD.								
				WHITEWOOD MINE MINE NUMBER 1757								
2951-71	Slack 3/4 to 0	Power Plant	FRC	21.3	15.0	26.0	37.7	0.2	7740	9840		
SHEERNESS				OPERATOR: BATTLE RIVER COAL, A DIVISION OF ALBERTA COAL LTD. ROSLYN MINE NUMBER 443								
3085-71	Lump + 6	T	FRC	26.9	6.6	30.5	36.0	0.5	8120	11090		
3086-71	Egg 6 to 3	T	FRC	27.6	6.1	29.1	37.2	0.4	8070	11150		
3087-71	Nut 3 to 1 1/2	T	FRC	27.4	6.7	29.5	36.5	0.5	7940	10920		
3088-71	Stoker 1 1/2 to 1/2 sq	T	FRC	25.5	6.4	30.2	37.9	0.6	8210	11020		
3089-71	Slack - 1/2 sq	T	FRC	34.2	6.2	26.8	32.8	0.6	7270	11040		
MEDIUM-VOLATILE BITUMINOUS												
SMOKY RIVER				OPERATOR: McINTYRE PORCUPINE COAL MINES LIMITED SMOKY RIVER MINE NUMBER 1765 GRANDE CACHE								
2991-71	Clean Coal 1 1/2 sq to 0	T	FRC	5.9	7.1	18.5	68.5	0.4	13680	14540		
3069-71	Clean Coal 1 1/2 sq to 0	T	FRC	22.0	5.9	15.1	57.0	0.4	11390	14600		
3078-71	1 1/2 to 0 washed	Special	FRC	0.5	10.8	18.5	70.2	0.6	-	-		
PROVINCE OF BRITISH COLUMBIA												
MEDIUM-VOLATILE BITUMINOUS												
EAST KOOTENAY DISTRICT				OPERATOR: KAISER RESOURCES LTD. MICHEL-NATAL COLLIERY								
2985-71	Clean Coal 1 1/2 sq to 0	T	FRC	2.8	9.5	22.2	65.5	0.2	13660	14060		
2986-71	Oxid. Coal 2 sq to 0	T	FRC	8.9	13.7	19.1	58.3	0.3	11060	12140		
2987-71	Coke 7 to 1/4 sq	T	FRC	1.9	14.6	1.6	81.9	0.3	-	-		
3077-71	1 1/2 to 0	Special	FRC	1.0	15.5	21.7	61.8	0.3	-	-		
YUKON TERRITORY												
30 MILES SOUTH OF WHITEHORSE				OPERATOR: PROSPECT SAMPLES								
2688-71	13 ft seam	Prospect	COMM	7.5	53.7	7.4	31.4	0.2	4090	4420		
2689-71	8 1/2 ft seam	Prospect	COMM	13.5	43.9	7.3	35.3	0.1	4920	5690		
2690-71	Ch of 1 1/2 ft seam	Prospect	COMM	15.9	57.3	7.5	19.3	0.1	2830	3360		
2691-71	Ch of 1 1/2 ft seam	Prospect	COMM	17.4	39.7	7.4	35.5	0.1	4880	5900		

II. IMPORTED COALS
UNITED STATES

Sample Number	Designation Size (in.) or Location	Kind of Sample	Sampled By	As Received						Dry		Approximate Tonnage Represented By Sample
				Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value			
									BTU/lb Gross	BTU/lb Gross		

It has been drawn to the attention of this Centre that the analyses of some imported coals are not typical of the mines from which they are said to originate. The Fuels Research Centre takes no responsibility for the sampling or designation of coals unless they are carried out by divisional (FRC) officers as indicated in "Sampled By" column.

STATE OF PENNSYLVANIA

TRADE NAME: CADOGAN

2011-71	N/S 2 to 0	D	DND	6.8	8.9	34.5	49.8	2.9	12650	13570	869
2123-71	N/S 2 to 0	D	DND	10.1	8.7	33.9	47.3	2.9	12070	13430	719
2214-71	N/S 2 to 0	D	DND	7.9	8.9	34.5	48.7	2.9	12380	13430	687
2403-71	N/S 2 to 0	D	DND	8.1	7.8	38.2	45.9	3.3	11950	13000	642
2526-71	N/S 2 to 0	D	DND	5.1	8.8	36.9	49.2	2.4	12790	13480	584

STATE OF VIRGINIA

TRADE NAME: JEWELL

2004-71	P/S 1 to 1/8	D	DND	5.1	10.0	27.1	57.8	0.7	12980	13680	95
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