

CONTENTS

	<u>Page</u>
Introduction (English)	1
Introduction (French)	3
Glossary of Abbreviated Terms	2
Glossaire des Abréviations	4
 I. CANADIAN COALS	
NOVA SCOTIA (BITUMINOUS).....	5
<u>Cape Breton Coal Fields</u>	
<u>Sydney Coal Field</u>	5
Dominion Coal Co. Ltd. Dosco Industries Limited Bras d'Or Coal Co. Ltd	
<u>Inverness Coal Field</u>	9
Evans Coal Mines Ltd.	
<u>Mainland Coal Fields</u>	
<u>Pictou Coal Field</u>	9
Dosco Industries Limited Acadia Coal Company Division Drummond Coal Co. Ltd.	
<u>Cumberland Coal Fields</u>	
<u>Springhill Coal Field</u>	10
Springhill Coal Mines Limited	

CONTENTS (CONT'D)

	<u>Page</u>
NEW BRUNSWICK (BITUMINOUS)	10
<u>Minto Coal Field</u>	
<u>Minto and Chipman</u>	10
Avon Coal Co. Ltd. Mills, D.W. and R.A., Ltd. Miramichi Lumber Company Ltd.	
SASKATCHEWAN (LIGNITE)	11
<u>Souris Valley District</u>	
<u>Bienfait</u>	11
Manitoba and Saskatchewan Coal Co. Ltd.	
<u>Estevan</u>	11
Great West Coal Company Ltd.	
ALBERTA (SEMIANTHRACITE - LOW VOLATILE BITUMINOUS)	12
<u>Cascade</u>	12
The Canmore Mines Ltd.	
<u>Crowsnest</u>	13
Coleman Collieries Limited (SUBBITUMINOUS)	
<u>Castor</u>	13
Battle River Coal Company Ltd. Forestburg Collieries Limited	
<u>Edmonton</u>	14
Egg Lake Coal Co., Ltd. Star-Key Mines Ltd. White Mud Creek Coal Co., Ltd.	
<u>Taber</u>	14
Henry Miller	

CONTENTS (CONT'D)

	<u>Page</u>
<u>Carbon</u>	14
New Ghost Pine Coal Company Ltd.	
<u>Drumheller</u>	14
Century Coals Ltd. Fox Coulee	
<u>Pembina (Wabamun)</u>	14
Alberta Coal Limited	
<u>Sheerness</u>	14
Battle River Coal Company Ltd.	
BRITISH COLUMBIA (BITUMINOUS)	15
<u>East Kootenay District</u>	15
Canadian Pacific Oil and Gas Co.	
II. IMPORTED COALS (BITUMINOUS)	
<u>UNITED STATES</u>	15
<u>KENTUCKY (Pike County)</u>	15
Newsome	
<u>PENNSYLVANIA</u>	15
Allison	
Amos No. 8, Fairwall District No. 2	
Bostonia, Armstrong County	
Convair	
Dell	
Greer-Ellison, Armstrong County	
Harlan (Callaghan Mine), Reynoldsville	
Kniseley, Knoxdale	
Lecco, Upper Freeport Seam, Kaylor	
Margaret, Upper Freeport Seam, Kaylor	

CONTENTS (CONT'D)

	<u>Page</u>
McGregor, Armstrong County	
Mayfair, Armstrong County	
Minna, Falls Creek, Jefferson County	
Mohican, Armstrong County	
<u>WEST VIRGINIA</u>	17
Algoma Mine, McDowell County	
American, Fairmont District	
Bell Creek, Hiton	
Compass	
Dawson	
Elm Grove	
McGregor	
O'Donnell Mine, Four States	
Omar, Cedar Grove, District #8	
<u>OHIO</u>	18
Jensie	
<u>I n d e x:</u>	19-20
I. Canadian Coals	
II. Imported Coals	

Mines Branch Information Circular IC 208

ANALYSES OF COAL AND COKE DURING 1967

by

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

INTRODUCTION

The Solid Fuels Laboratory of the Fuels Research Centre is responsible for all analytical work on coal and coke encompassed by this publication, including that reported in the official "Analysis Directory of Canadian Coals" (which is published by the Mines Branch, but only at intervals of five or more years). This information circular, issued as the eighth of an annual series, tabulates the analyses of coal and coke samples analysed by the Division during 1967.¹

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.

* Head, Solid Fuels Laboratory, and ** Technician, Fuels Research Centre, Mines Branch, Department of Energy, Mines and Resources, Ottawa, Canada.

¹ There were no commercial samples of coke analysed during 1967.

GLOSSARY OF ABBREVIATED TERMS

DND	Department of National Defence
DVA	Department of Veterans Affairs
DPW	Department of Public Works
FRC	Fuels Research Centre
Justice	Department of Justice
D	Delivered
N/S	Nut Slack
OS	Old Sydney
P/S	Prepared Stoker
Rd	Round Hole Screen
Sl	Slot
Sq	Square Hole Screen
T	Tipple

Direction des mines

Circulaire d'information IC 208

ANALYSES DE HOUILLE ET DE COKE EN 1967

par

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

INTRODUCTION

Le laboratoire des combustibles solides, au Centre de recherches des combustibles, s'occupe de tous les travaux analytiques sur la houille et le coke mentionnés par la présente publication, y inclus les travaux dont il est fait rapport dans la publication officielle de la Direction des mines intitulée: "Analysis Directory of Canadian Coals", qui paraît à intervalles de cinq ans ou plus. La présente circulaire d'information, la huitième d'une série qui doit paraître annuellement, traite des analyses d'échantillons de houille et de coke analysés par le Centre au cours de 1967.¹

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 les techniques d'échantillonnage adoptées pour les analyses considérées dans la présente circulaire.

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

* Chef du Laboratoire des combustibles solides, et ** technicien, Centre de recherches des combustibles, Direction des mines, ministère de l'Énergie, des Mines et des Ressources, Ottawa, Canada.

¹ Aucun échantillon de coke commercial n'a été analysé par le Centre en 1967.

GLOSSAIRE DES ABBREVIATIONS

DND	Ministère de la Défense nationale
DVA	Ministère des Affaires des anciens combattants
DPW	Ministère des Travaux publics
FRC	Centre de recherches des combustibles
Justice	Ministère de la Justice
D	Livré
N/S	Mixtes noisettes-fines
OS	Old Sydney
P/S	Braisettes sur commande
Rd	Tôles à trous ronds
Sl	Trou allongé
Sq	Toiles à trous carrés
T	Criblage

I. CANADIAN COALS

PROVINCE OF NOVA SCOTIA
CAPE BRETON COAL FIELDS
BITUMINOUS COAL

Sample Number	Size Designation, Inches	Kind of Sample	Sampled by	As Received						Dry		Tonnage Represented by Sample	Colliery
				Moisture, %	Ash, %	Volatile Matter, %	Fixed Carbon, %	Sulphur, %	Calorific Value				
									Btu/lb Gross	Btu/lb Gross			
AREA Sydney Coal Field				OPERATOR Dominion Coal Co. Ltd. and Dosco Industries Limited									
2986-67	Screen + 2	T	FRC	1.3	4.0	35.6	59.1	1.0	14530	14710		#12	
2963-67	Egg + 1 3/4 rd	T	FRC	1.5	4.4	38.0	56.1	2.7	14460	14680		OS	
3557-67	Egg + 1 3/4 rd	T	FRC	1.6	6.1	37.6	54.7	2.6	14180	14410		OS	
2989-67	Screen + 1 1/4 rd	T	FRC	1.2	3.7	35.3	59.8	0.7	14450	14630		#26	
3564-67	Screen + 1 1/4	T	FRC	2.7	4.4	36.0	56.9	2.6	14200	14590		#26	
2691-67	Nut 2 x 1	D	DVA	1.3	5.5	38.7	54.5	2.2	14210	14400	205		
2070-67	Nut 1 3/4 x 3/4	D	DND	4.3	4.5	36.6	54.6	2.4	13990	14620	505		
2217-67	Nut 1 3/4 x 3/4	D	DND	3.2	4.9	37.4	54.5	2.6	14100	14570	533		
2964-67	Nut 1 3/4 x 3/4	T	FRC	1.2	5.6	38.9	54.3	3.1	14,140	14,330		OS	
3536-67	Nut 1 3/4 x 3/4	D	DND	0.9	5.6	39.4	54.1	2.7	14430	14550	65		
3712-67	Nut 1 3/4 x 3/4	D	DND	2.1	6.2	35.2	56.5	2.8	14120	14420			
3558-67	Nut 1 1/4 x 3/4	T	FRC	3.3	5.1	37.1	54.5	2.9	14020	14500		OS	
2236-67	P/S 1 1/4 x 1/4	D	DND	1.4	3.9	33.6	61.1	1.2	14510	14710	48		
3399-67	P/S 1 1/4 x 1/4	D	DFW	2.2	6.6	35.3	55.9	1.3	14110	14430	226		
2991-67	Stoker 1.x 1/4	T	FRC	1.5	4.0	34.8	59.7	1.1	14380	14590		#26	
3566-67	Stoker 3/4 x 5/16	T	FRC	1.5	5.5	35.4	57.6	1.6	14,300	14,520		#26	
2966-67	Pea 3/4 x 1/4	T	FRC	1.3	4.7	40.3	53.7	3.0	14310	14490		OS	
3560-67	Pea 3/4 x 1/4	T	FRC	3.2	5.0	37.3	54.5	2.9	14000	14470		OS	
2003-67	N/S 2 x 0	D	DND	4.9	8.1	33.2	53.8	1.8	13440	14130	851		
2006-67	N/S 2 x 0	D	DND	1.6	8.7	35.1	54.6	1.9	14220	14460	945		
2016-67	N/S 2 x 0	D	DND	0.8	6.6	35.2	57.4	1.6	14180	14290	531		
2071-67	N/S 2 x 0	D	DND	4.5	10.2	33.1	52.2	2.1	13140	13760	991		
2107-67	N/S 2 x 0	D	DND	4.5	5.9	34.0	55.6	1.5	13900	14550	78		
2113-67	N/S 2 x 0	D	DND	10.1	6.9	30.6	52.4	1.6	12860	14300	948		
2115-67	N/S 2 x 0	D	DND	5.1	7.5	33.0	54.4	1.8	13480	14210	91		
2162-67	N/S 2 x 0	D	DND	2.6	5.2	34.6	57.6	1.5	14120	14500	993		
2182-67	N/S 2 x 0	D	DND	2.8	6.9	35.1	55.2	1.7	13780	14180	74		
2184-67	N/S 2 x 0	D	DND	4.0	6.5	34.1	55.4	1.9	13630	14190	1049		
2189-67	N/S 2 x 0	D	DND	2.3	6.6	35.3	55.8	1.6	14330	14550	512		
2204-67	N/S 2 x 0	D	DND	6.5	6.6	32.9	54.0	1.7	13320	14250	85		
2246-67	N/S 2 x 0	D	DND	2.6	8.0	32.7	56.7	1.8	13840	14200	1000		
2255-67	N/S 2 x 0	D	DND	3.9	6.9	34.1	55.1	1.7	13860	14420	597		
2256-67	N/S 2 x 0	D	DND	3.1	6.8	34.9	55.2	1.9	14210	14670	989		
2354-67	N/S 2 x 0	D	DND	1.9	7.2	33.9	57.0	1.8	14070	14340	1017		
2299-67	N/S 2 x 0	D	DND	2.5	8.5	34.9	54.1	1.8	13740	14090	946		
2300-67	N/S 2 x 0	D	DND	2.5	7.6	34.8	55.1	1.7	13720	14070	516		

PROVINCE OF NOVA SCOTIA
CAPE BRETON COAL FIELDS
BITUMINOUS COAL (CONT'D)

Sample Number	Size Designation, Inches	Kind of Sample	Sampled by	As Received						Dry		Tonnage Represented by Sample	Colliery
				Moisture, %	Ash, %	Volatile Matter, %	Fixed Carbon, %	Sulphur, %	Calorific Value				
									Btu/lb Gross	Btu/lb Gross			
AREA Sydney Coal Field				OPERATOR Dominion Coal Co. Ltd. and Dosco Industries Limited									
3203-67	N/S 2 x 0	D	DND	2.1	6.7	34.4	56.8	1.6	13900	14200	379		
3204-67	N/S 2 x 0	D	DND	3.1	7.4	34.2	55.3	1.8	13590	14020	622		
3238-67	N/S 2 x 0	D	DND	2.5	7.0	35.1	55.4	1.7	13760	14110	283		
3250-67	N/S 2 x 0	D	DND	2.4	8.3	33.7	55.6	2.0	13590	13730	68		
3300-67	N/S 2 x 0	D	DND	0.7	6.9	36.0	56.4	2.3	14320	14430	248		
3301-67	N/S 2 x 0	D	DND	2.1	7.4	35.3	55.2	1.7	13950	14250	796		
3304-67	N/S 2 x 0	D	DND	1.6	8.8	34.7	54.9	2.0	13850	14070	68		
3339-67	N/S 2 x 0	D	DND	1.1	4.0	36.1	58.8	1.3	14650	14820	59		
3352-67	N/S 2 x 0	D	DND	2.0	7.3	35.6	55.1	1.9	14060	14340	587		
3353-67	N/S 2 x 0	D	DND	4.4	7.0	33.9	54.7	1.9	13550	14180	95		
3355-67	N/S 2 x 0	D	DND	2.1	9.9	34.5	53.5	1.8	13470	13760	622		
3427-67	N/S 2 x 0	D	DND	1.1	6.7	36.1	56.1	2.1	14290	14460	319		
3428-67	N/S 2 x 0	D	DND	4.0	7.6	34.5	53.9	2.1	13650	14220	565		
3441-67	N/S 2 x 0	D	DND	1.9	9.5	35.0	53.6	2.5	13720	13980	757		
3532-67	N/S 2 x 0	D	DND	3.9	6.8	34.9	54.4	2.2	13510	14060	48		
3537-67	N/S 2 x 0	D	DND	0.7	10.5	35.1	53.7	2.3	13680	13770	548		
3607-67	N/S 2 x 0	D	DND	2.7	5.3	35.6	56.4	1.7	14240	14640	616		
3609-67	N/S 2 x 0	D	DND	0.7	10.2	35.3	53.8	2.3	13760	13860	952		
3610-67	N/S 2 x 0	D	DND	3.9	7.2	33.6	55.3	2.6	13800	14350	85		
3619-67	N/S 2 x 0	D	DND	3.8	9.9	33.3	53.0	2.1	13230	13750	813		
3651-67	N/S 2 x 0	D	DND	1.7	8.7	34.6	55.0	2.1	13840	14090	458		
3665-67	N/S 2 x 0	D	DND	1.8	8.1	35.2	54.9	1.9	13820	14070	683		
3671-67	N/S 2 x 0	D	DND	2.8	7.7	34.5	55.0	1.8	13820	14220	748		
3714-67	N/S 2 x 0	D	DND	1.9	7.5	33.9	56.7	1.9	13980	14250	61		
3718-67	N/S 2 x 0	D	DND	3.7	7.5	32.3	56.5	1.5	13640	14160	388		
2965-67	C/S 1 3/4 x 0	T	FRC	1.3	5.4	37.9	55.4	2.4	14130	14320		OS	
3337-67	C/S 1 3/4 x 0	D	DPW	2.0	5.9	36.6	55.5	1.9	14170	14470			
3559-67	C/S 1 3/4 x 0	T	FRC	3.9	6.9	34.9	54.3	1.3	13600	14140		OS	
2988-67	N/S 1 1/2 x 0	T	FRC	1.7	9.8	35.4	53.1	3.8	13,290	13,530		#20	
3563-67	N/S 1 1/2 x 0	T	FRC	3.2	10.5	34.1	52.2	3.2	13100	13530		#20	
2990-67	N/S 1 1/4 x 0	T	FRC	2.5	4.7	32.8	60.0	1.1	14090	14450		#26	
3082-67	N/S 1 1/4 x 0	D	DND	2.3	8.9	34.2	54.6	1.9	13370	13670	130		
3371-67	N/S 1 1/4 x 0	D	DPW	2.4	8.6	34.8	54.2	2.5	13640	13970			
3565-67	N/S 1 1/4 x 0	T	FRC	3.1	8.7	32.7	55.5	1.6	13550	13980		#26	
3610-67	N/S 1 1/4 x 0	D	DND	3.9	7.2	33.6	55.3	2.6	13800	14350	85		
3561-67	W/S 3/4 x 0	T	FRC	4.0	8.7	34.6	52.7	2.8	13190	13740		OS	

PROVINCE OF NOVA SCOTIA
CAPE BRETON COAL FIELDS
BITUMINOUS COAL (CONT'D)

Sample Number	Size Designation, Inches	Kind of Sample	Sampled by	As Received						Dry		Tonnage Represented by Sample	Colliery
				Moisture, %	Ash, %	Volatile Matter, %	Fixed Carbon, %	Sulphur, %	Calorific Value				
									Btu/lb Gross	Btu/lb Gross			
AREA Sydney Coal Field				OPERATOR Dominion Coal Co. Ltd. and Dosco Industries Limited									
2304-67	N/S 2 x 0	D	DND	11.4	7.1	30.9	50.6	1.4	12560	14180	26		
2366-67	N/S 2 x 0	D	DND	5.0	6.5	34.1	54.4	1.7	13760	14480	910		
2399-67	N/S 2 x 0	D	DND	9.6	7.0	31.2	52.2	1.7	12710	14050	948		
2570-67	N/S 2 x 0	D	DND	4.5	6.9	33.3	55.3	1.4	13550	14190	960		
2322-67	N/S 2 x 0	D	DND	3.8	7.7	34.1	54.4	1.7	13660	14200	352		
2323-67	N/S 2 x 0	D	DND	4.0	6.9	33.8	55.3	1.7	13770	14340	68		
2454-67	N/S 2 x 0	D	DND	4.4	6.5	34.1	55.0	1.4	13660	14290	526		
2470-67	N/S 2 x 0	D	DND	5.1	9.9	33.0	52.0	1.6	13010	13710	94		
2471-67	N/S 2 x 0	D	DND	4.6	8.0	33.9	53.5	1.8	13760	14430	99		
2472-67	N/S 2 x 0	D	DND	5.3	6.5	33.8	54.4	1.6	13570	14330	991		
2494-67	N/S 2 x 0	D	DND	4.4	8.2	33.5	53.9	1.4	13420	14030	309		
2608-67	N/S 2 x 0	D	DND	2.5	6.4	35.2	55.9	1.5	14090	14450	387		
2616-67	N/S 2 x 0	D	DND	2.3	6.1	35.6	45.0	1.7	14210	14540	1015		
2641-67	N/S 2 x 0	D	DND	0.6	6.1	35.6	57.7	1.4	14430	14520	216		
2644-67	N/S 2 x 0	D	DND	2.8	7.1	34.8	55.3	1.4	14060	14470	719		
2646-67	N/S 2 x 0	D	DND	3.7	5.9	34.9	55.5	1.4	13840	14370	61		
2671-67	N/S 2 x 0	D	DND	4.2	6.5	32.9	56.4	1.4	13710	14310	665		
2673-67	N/S 2 x 0	D	DND	4.3	6.8	32.5	56.4	1.6	13620	14240	80		
2674-67	N/S 2 x 0	D	DND	1.6	6.1	35.9	56.4	1.7	14110	14350	1011		
2745-67	N/S 2 x 0	D	DND	1.2	6.6	35.0	57.2	1.8	14110	14280	437		
2755-67	N/S 2 x 0	D	DND	2.5	5.6	35.3	56.6	0.3	14130	14490	164		
2786-67	N/S 2 x 0	D	DND	3.0	6.0	34.5	56.5	1.4	13980	14400	995		
2794-67	N/S 2 x 0	D	DND	3.0	7.4	33.3	56.3	1.5	13520	13930	80		
2795-67	N/S 2 x 0	D	DND	1.6	6.6	35.3	56.5	1.6	14120	14350	941		
2799-67	N/S 2 x 0	D	DND	3.6	7.5	34.3	54.6	1.6	13550	14050	963		
2814-67	N/S 2 x 0	D	DND	0.7	10.0	34.8	54.5	1.6	13660	13760	133		
2864-67	N/S 2 x 0	D	DND	2.0	8.3	35.5	54.2	1.5	13670	13950	294		
2927-67	N/S 2 x 0	D	DND	1.2	10.2	34.0	54.6	1.5	13510	13680	858		
2987-67	N/S 2 x 0	T	FRC	1.0	7.0	34.7	57.3	1.9	13940	14080		#12	
3038-67	N/S 2 x 0	D	DND	1.2	7.3	35.2	56.3	2.1	13940	14100	228		
3078-67	N/S 2 x 0	D	DND	1.0	7.6	36.5	54.9	1.8	13950	14090	342		
3083-67	N/S 2 x 0	D	DND	1.4	10.3	33.6	54.7	1.8	13470	13660	287		
3096-67	N/S 2 x 0	D	DND	1.5	7.1	35.0	56.4	1.9	14070	14280	204		
3117-67	N/S 2 x 0	D	DND	2.2	8.9	34.0	54.9	0.7	13660	13970	340		
3202-67	N/S 2 x 0	D	DND	2.2	6.8	35.5	55.5	2.2	13890	14210	662		

PROVINCE OF NOVA SCOTIA
CAPE BRETON COAL FIELDS
BITUMINOUS COAL (CONT'D)

Sample Number	Size Designation, Inches	Kind of Sample	Sampled by	As Received					Dry		Tonnage Represented by Sample	Colliery
				Moisture, %	Ash, %	Volatile Matter, %	Fixed Carbon, %	Sulphur, %	Calorific Value			
									Btu/lb Gross	Btu/lb Gross		
AREA Sydney Coal Field				OPERATOR Dominion Coal Co. Ltd. and Dosco Industries Limited								
2007-67	Slack 3/4 x 0	D	DND	3.8	15.2	32.9	48.1	2.8	12230	12710	996	
2065-67	Slack 3/4 x 0	D	DND	4.1	7.2	35.7	53.0	3.3	13380	13950	1001	
2116-67	Slack 3/4 x 0	D	DND	5.0	8.4	35.0	51.6	3.1	13210	13900	981	
2178-67	Slack 3/4 x 0	D	DND	3.8	9.0	35.3	51.9	2.7	13380	13900	1001	
2226-67	Slack 3/4 x 0	D	DND	3.6	7.3	36.5	52.6	3.2	13730	14240	943	
2350-67	Slack 3/4 x 0	D	DND	4.0	6.9	36.1	53.0	2.0	13670	14240	958	
2362-67	Slack 3/4 x 0	D	DND	4.7	8.6	34.9	51.8	2.4	13340	14000	970	
2438-67	Slack 3/4 x 0	D	DND	4.3	12.7	33.8	49.2	2.2	12450	13010	1001	
2522-67	Slack 3/4 x 0	D	DND	3.3	9.8	35.4	51.5	3.3	13310	13760	953	
2535-67	Slack 3/4 x 0	D	DND	4.3	8.0	35.1	52.6	2.2	13450	14050	990	
2645-67	Slack 3/4 x 0	D	DND	3.0	17.8	32.4	46.8	3.9	11860	12220	1002	
2719-67	Slack 3/4 x 0	D	DND	4.4	13.6	34.0	48.0	2.6	12360	12930	564	
2734-67	Slack 3/4 x 0	D	DND	3.6	14.3	33.5	48.6	2.6	12310	12780	943	
3063-67	Slack 3/4 x 0	D	DND	3.6	17.4	31.8	47.2	2.2	12010	12460	715	
3223-67	Slack 3/4 x 0	D	DND	3.7	14.6	33.9	47.8	3.0	12140	12600	978	
3248-67	Slack 3/4 x 0	D	DND	3.9	8.1	35.4	52.6	2.2	13330	13870	1003	
3329-67	Slack 3/4 x 0	D	DND	3.5	8.2	35.2	53.1	2.5	13520	14010	986	
3377-67	Slack 3/4 x 0	D	DND	2.9	16.9	33.4	46.8	2.6	12110	12470	971	
3378-67	Slack 3/4 x 0	D	DND	2.9	9.7	34.6	52.8	2.2	13410	13830	217	
3529-67	Slack 3/4 x 0	D	DND	3.3	7.6	37.1	52.0	3.2	13620	14070	931	
3621-67	Slack 3/4 x 0	D	DND	3.2	6.6	36.0	54.2	2.7	13840	14290	983	
3694-67	Slack 3/4 x 0	D	DND	3.4	8.8	34.9	52.9	2.9	13370	13840	942	
3729-67	Slack 3/4 x 0	D	DND	2.7	10.0	35.0	52.3	2.3	13290	13650	957	
2967-67	Fines 1/4 x 0	T	FRC	1.9	16.3	32.5	49.3	2.7	12280	12510		OS
3562-67	Fines 1/4 x 0	T	FRC	3.6	10.2	34.5	51.7	3.7	13090	13570		OS
				OPERATOR Bras d'Or Coal Co. Ltd. (Four Star Mine)								
2973-67	Lump + 2	T	FRC	1.7	12.8	35.4	50.1	8.1	12540	12760		
3553-67	Lump + 2	T	FRC	2.5	12.5	35.2	49.8	6.1	12,490	12,810		
2974-67	Nut 2 x 3/4	T	FRC	2.2	12.5	35.1	50.2	6.1	12300	12580		
3554-67	Nut 2 x 3/4	T	FRC	3.6	15.1	32.9	48.4	5.8	11880	12330		
3323-67	P/S 1 1/4 x 1/4	D	DND	2.6	10.9	35.1	51.4	5.6	12680	13020	32	
2975-67	Pea 3/4 x 5/16	T	FRC	3.1	11.5	34.8	50.6	6.2	12350	12740		
3555-67	Pea 3/4 x 5/16	T	FRC	3.3	10.1	35.3	51.3	5.8	12,700	13,130		
2075-67	Slack 3/4 x 0	D	DND	7.5	9.9	32.5	50.1	5.3	11890	12860	1010	
2808-67	Slack 3/4 x 0	D	DND	3.2	11.9	34.0	50.9	6.1	12300	12710	980	

PROVINCE OF NOVA SCOTIA
CAPE BRETON COAL FIELDS
BITUMINOUS COAL (CONT'D)

Sample Number	Size Designation, Inches	Kind of Sample	Sampled by	As Received						Dry		Tonnage Represented by Sample	Colliery
				Moisture, %	Ash, %	Volatile Matter, %	Fixed Carbon, %	Sulphur, %	Calorific Value				
									Btu/lb Gross	Btu/lb Gross			
AREA Sydney Coal Field				OPERATOR Bras d'Or Coal Co. Ltd. (Four Star Mine)									
3707-67	Fines 3/4 x 0	T	FRC	1.2	14.2	34.1	50.5	5.9	12340	12490			
2976-67	Fines 5/16 x 0	T	FRC	3.4	11.7	34.9	50.0	5.4	12350	12790			
3556-67	Fines 5/16 x 0	T	FRC	6.6	11.7	32.9	48.8	5.8	11,830	12,660			
AREA Inverness Coal Field				OPERATOR Evans Coal Mines Ltd.									
2968-67	Med. Lump 4 x 2	T	FRC	4.2	8.2	36.7	50.9	6.4	12210	12740			
2969-67	Egg 2 x 1	T	FRC	4.6	9.9	36.1	49.4	6.4	11950	12520			
2970-67	Nut 1 x 3/4	T	FRC	4.3	7.7	36.7	51.3	5.9	12360	12910			
2972-67	Fines	T	FRC	6.2	13.8	34.4	45.6	5.7	11110	11850			
2971-67	Stoker 3/4 x 1/2	T	FRC	4.6	8.4	35.6	51.4	6.2	12160	12750			
MAINLAND COAL FIELDS													
AREA Pictou Coal Field				OPERATOR Dosco Industries Limited, Acadia Coal Company Division									
3547-67	Egg + 1 3/4	T	FRC	5.4	11.7	27.8	55.1	0.3	12480	13200			
3548-67	Nut 1 3/4 x 3/4	T	FRC	2.4	11.9	28.5	57.2	0.6	12980	13290			
3549-67	Stoker 3/4 x 3/16	T	FRC	2.6	20.4	26.2	50.8	0.9	11500	11810			
2798-67	N/S 2 x 0	D	DND	3.6	12.2	28.3	55.9	0.7	12560	13040	550		
3400-67	N/S 1 3/4 x 1/32	D	DND	4.4	15.6	27.4	52.6	0.7	12000	12540	301		
2529-67	N/S 1 3/4 x 0	D	DND	5.4	14.3	27.2	53.1	0.4	12060	12750	726		
2530-67	N/S 1 3/4 x 0	D	DND	4.7	13.7	27.4	54.2	0.4	12270	12880	729		
2569-67	N/S 1 3/4 x 0	D	DND	4.9	12.6	27.1	55.4	0.4	12530	13180	717		
2615-67	N/S 1 3/4 x 0	D	DND	4.9	12.6	27.1	55.4	0.4	12450	13090	715		
2647-67	N/S 1 3/4 x 0	D	DND	5.1	12.1	27.8	55.0	0.4	12440	13100	723		
2683-67	N/S 1 3/4 x 0	T	FRC	0.2	12.7	32.8	54.3	0.4	13050	13070			
3034-67	N/S 1 3/4 x 0	D	DND	3.3	12.9	27.5	56.3	0.7	12470	12890	1011		
3046-67	N/S 1 3/4 x 0	D	DND	2.3	13.0	27.0	57.7	0.7	12630	12920	959		
3047-67	N/S 1 3/4 x 0	D	DND	2.3	13.0	27.5	57.2	0.6	12680	12980	965		
3048-67	N/S 1 3/4 x 0	D	DND	2.1	13.1	27.6	57.2	0.6	12650	12920	947		
3049-67	N/S 1 3/4 x 0	D	DND	2.3	12.8	27.6	57.3	0.5	12700	13000	950		
3050-67	N/S 1 3/4 x 0	D	DND	2.4	12.2	27.9	57.5	0.5	12710	13030	963		
3067-67	N/S 1 3/4 x 0	D	DND	2.7	13.5	37.6	46.2	0.5	12510	12860	510		
3097-67	N/S 1 3/4 x 0	D	DND	2.5	12.5	27.8	57.2	0.4	12660	12980	956		
3098-67	N/S 1 3/4 x 0	D	DND	2.1	12.8	28.2	56.9	0.5	12660	12930	945		
3226-67	N/S 1 3/4 x 0	D	DND	4.1	11.5	27.6	56.8	0.5	12590	13130	508		
3239-67	N/S 1 3/4 x 0	D	DND	2.0	13.4	28.4	56.2	0.5	12580	12850	999		

PROVINCE OF NOVA SCOTIA
MAINLAND COAL FIELDS
BITUMINOUS COAL (CONT'D)

Sample Number	Size Designation, Inches	Kind of Sample	Sampled by	As Received						Dry		Tonnage Represented by Sample	Colliery
				Moisture, %	Ash, %	Volatile Matter, %	Fixed Carbon, %	Sulphur, %	Calorific Value				
									Btu/lb Gross	Btu/lb Gross			
AREA Pictou Coal Field				OPERATOR Dosco Industries Limited, Acadia Coal Company Division									
3240-67	N/S 1 3/4 x 0	D	DND	2.6	13.1	28.8	55.5	0.6	12470	12800	1006		
3330-67	N/S 1 3/4 x 0	D	DND	3.7	12.3	28.3	55.7	0.6	12720	13210	506		
3372-67	N/S 1 3/4 x 0	D	DND	3.5	14.2	28.3	54.0	0.6	12380	12840	512		
3550-67	Splint 1 1/2 x 0	T	FRC	2.0	29.7	25.2	43.1	0.6	10040	10240			
3552-67	Slack 1 3/4 x 0	D	FRC	3.4	15.7	28.8	54.1	0.5	12110	12530			
3551-67	Fines 3/16 x 0	T	FRC	5.9	21.5	24.5	48.1	0.9	10790	11470			
				OPERATOR Drummond Coal Co. Ltd.									
3542-67	Lump + 1 1/2 sq	T	FRC	4.9	12.5	26.7	55.9	0.8	12300	12940		No. 1 M	
3544-67	Slack 3/4 x 0	T	FRC	3.6	19.2	25.0	52.2	1.2	11400	11830		No. 1 M	
3543-67	Nut 1 1/2 x 3/4	T	FRC	5.5	13.3	26.6	54.6	0.7	12090	12790		No. 1 M	
3545-67	Screen + 3/4	D	FRC	3.4	19.0	25.4	52.2	1.5	11430	11830		No. 2 M	
3546-67	Slack 3/4 x 0	D	FRC	4.5	19.6	25.5	50.4	1.4	11130	11660		No. 1 M	
CUMBERLAND COAL FIELDS													
AREA Springhill Coal Field				OPERATOR Springhill Coal Mines Limited									
2780-67	Screened 2 x 2 1/4	D	Justice	2.4	28.1	27.3	42.2	1.9	9900	10140	500		
3182-67	Screened 2 x 2 1/4	D	Justice	2.1	41.3	23.7	32.9	2.4	7990	8160	475		
2002-67	P/S 3/4 x 1/4	D	Justice	6.3	18.9	28.4	46.4	2.2	10910	11640	989		
2274-67	P/S 3/4 x 1/4	D	Justice	3.9	19.5	28.9	47.7	2.4	11170	11630	1048		
2531-67	P/S 3/4 x 1/4	D	Justice	5.3	20.0	29.5	45.2	2.3	10940	11550	971		
2742-67	P/S 3/4 x 1/4	D	Justice	3.9	20.1	29.5	46.5	2.3	10970	11420	912		
2945-67	P/S 3/4 x 1/4	D	Justice	3.0	20.0	31.8	45.2	2.7	11370	11730	1087		
3220-67	P/S 3/4 x 1/4	D	Justice	5.1	22.3	28.1	44.5	2.4	10400	10960	912		
3538-67	P/S 3/4 x 1/4	D	Justice	6.4	22.1	24.4	44.1	2.1	10410	11120	993		
3652-67	P/S 3/4 x 1/4	D	Justice	4.6	20.7	28.6	46.1	2.2	10790	11320	565		
3183-67	N/S 1 1/4 x 0	D	Justice	2.5	25.0	28.8	43.7	2.7	10350	10620	140		
PROVINCE OF NEW BRUNSWICK MINTO COAL FIELD													
AREA Minto and Chipman				OPERATOR Avon Coal Co. Ltd.									
2948-67	Lump + 3 sq	T	FRC	1.9	15.5	31.6	51.0	7.3	12430	12670			
2949-67	Nut 3 x 1 1/4	T	FRC	1.8	15.2	33.0	50.0	7.3	12420	12650			
2950-67	Stoker 1 3/4 x 1/4	T	FRC	1.0	14.2	34.4	50.4	6.3	12740	12870			
2951-67	N/S 1 1/4 x 0	T	FRC	1.9	16.0	33.2	48.9	7.2	12220	12460			
2952-67	Slack 3/4 x 0	T	FRC	2.7	20.0	32.7	44.6	7.2	11450	11770			

PROVINCE OF NEW BRUNSWICK
MINTO COAL FIELD
BITUMINOUS COAL (CONT'D)

Sample Number	Size Designation, Inches	Kind of Sample	Sampled by	As Received					Dry		Tonnage Represented by Sample
				Moisture, %	Ash, %	Volatile Matter, %	Fixed Carbon, %	Sulphur, %	Calorific Value		
									Btu/lb Gross	Btu/lb Gross	
AREA Minto and Chipman				OPERATOR Avon Coal Co. Ltd.							
953-67	Fines 1/4 x 0	T	FRC	2.5	17.6	32.3	47.6	6.6	11930	12230	
				OPERATOR Miramichi Lumber Company Ltd.							
721-67	Screen + 2	T	FRC	0.5	16.5	33.9	49.1	9.9	12470	12540	
723-67	Screen + 2"	T	FRC	0.7	22.0	30.8	46.5	7.6	11590	11670	
722-67	Slack 1 1/4 x 0	T	FRC	0.5	18.1	33.2	48.2	9.2	12190	12250	
724-67	Slack 1 1/4 x 0	T	FRC	1.1	27.4	29.8	41.7	5.6	10710	10820	
				OPERATOR D.W. and R.A. Mills, Ltd.							
954-67	Nut 2 x 1	T	FRC	1.3	15.7	34.1	48.9	6.8	12430	12590	
074-67	P/S 1 1/2 x 1/2	D	DND	2.9	13.6	31.6	51.9	5.6	12780	13150	444
216-67	P/S 1 1/2 x 1/2	D	DND	1.2	14.3	33.2	51.3	6.2	12930	13090	522
476-67	P/S 1 1/2 x 1/2	D	DND	1.2	13.3	33.2	52.3	5.7	13150	13300	506
539-67	P/S 1 1/2 x 3/8	D	DND	1.6	14.6	34.8	49.0	6.9	12810	13010	94
338-67	P/S 1 1/2 x 1/4	D	DND	0.8	12.2	36.7	50.4	5.8	13380	13490	51
41-67	P/S 1 1/2 x 1/4	D	DND	1.0	14.5	35.8	48.7	6.8	12980	13120	93
449-67	P/S 3/4 x 1/4	D	DND	1.3	13.8	35.2	49.6	6.7	12850	13010	48
01-67	P/S 3/4 x 1/8	D	DND	1.3	13.1	31.3	54.3	5.3	13020	13180	52
55-67	C/S 2 x 0	T	FRC	1.3	17.2	34.1	47.4	7.4	12170	12340	
27-67	N/S 2 x 0	D	DND	0.9	13.2	35.3	50.6	6.0	12890	13130	150
57-67	Fines 3/4 x 0	T	FRC	2.4	25.7	30.3	41.6	7.5	10600	10860	

PROVINCE OF SASKATCHEWAN
SOURIS VALLEY DISTRICT
LIGNITE

AREA Bienfait				OPERATOR Manitoba and Saskatchewan Coal Company Limited							
47-67	Stove 4 x 2	T	FRC	36.9	4.8	26.8	31.5	0.4	7240	11480	
48-67	Booker 2 x 1 1/4	T	FRC	36.4	5.5	26.7	31.4	0.4	7240	11380	
19-67	Nut + 1	D	Justice	24.2	6.5	31.4	37.9	0.5	8460	11160	476
49-67	Pea 1 1/4 x 1/2	T	FRC	32.4	5.7	27.9	34.0	0.4	7800	11530	
99-67	P/S 1 x 1/2	D	DND	25.8	6.6	27.7	39.9	0.6	8830	11900	698
01-67	P/S 1 x 1/2	D	DND	31.5	6.0	28.1	34.4	0.8	7790	11380	965
50-67	- 1/2	T	FRC	35.1	7.2	25.8	31.9	0.5	7210	11100	
AREA Estevan				OPERATOR Great West Coal Company Ltd.							
20-67	Nut 2 x 3/4	D	DND	23.8	7.4	30.4	38.4	0.5	8620	11310	430
49-67	Pea 1 x 1/2	D	Justice	30.1	7.5	28.6	33.8	0.5	7550	10800	636

PROVINCE OF SASKATCHEWAN
SOURIS VALLEY DISTRICT
LIGNITE

Sample Number	Size Designation, Inches	Kind of Sample	Sampled by	As Received					Dry		Tonnage Represented by Sample
				Moisture, %	Ash, %	Volatile Matter, %	Fixed Carbon, %	Sulphur, %	Calorific Value		
									Btu/lb Gross	Btu/lb Gross	

AREA Estevan

OPERATOR Great West Coal Company Ltd.

2177-67	Pea 1 x 1/2	D	Justice	15.5	8.7	35.3	40.5	0.7	9570	11320	644
2293-67	Pea 1 x 1/2	D	Justice	33.4	6.7	26.1	33.8	0.6	7670	11520	631
3299-67	Pea 1 x 1/2	D	DND	30.5	6.5	27.5	35.5	0.5	8090	11630	182
3425-67	Pea 1 x 1/2	D	DND	25.3	7.3	30.8	36.6	0.4	8330	11140	182

OPERATOR Utility Coals Ltd.

3442-67	Mine Run	T	FRC	36.7	8.5	24.2	30.6	0.4	6840	10790	
---------	----------	---	-----	------	-----	------	------	-----	------	-------	--

OPERATOR Battle River Coal Company Limited,
Klimax Mine

3443-67	Egg 4 x 2	T	FRC	38.2	4.8	25.0	32.0	0.4	7130	11540	
3444-67	Booker 2 x 1/8	T	FRC	37.5	5.5	25.7	31.3	0.4	7170	11460	
3445-67	Pea 1 1/8 x 1/2	T	FRC	37.3	5.9	25.2	31.7	0.5	7170	11430	
3446-67	Bug Dust - 1/2	T	FRC	36.2	6.6	24.9	32.3	0.5	7170	11240	

PROVINCE OF ALBERTA
SEMIANTHRACITE - LOW VOLATILE BITUMINOUS

AREA Cascade

OPERATOR The Canmore Mines Ltd.

3501-67	Cobble 5 x 3	T	FRC	2.9	2.9	10.2	84.0	0.8	14720	15170	
3119-67	Lump 5 x 2	D	DND	0.9	7.5	13.9	77.7	0.9	14050	14180	26
3380-67	Lump 5 x 2	D	DND	1.4	7.0	13.9	77.7	0.9	14210	14410	43
3540-67	Lump 5 x 2	D	DND	1.8	9.0	12.5	76.7	0.8	13870	14130	74
3502-67	Stove 3 x 2	T	FRC	2.6	8.2	11.2	78.0	0.8	13890	14260	
3503-67	Chestnut 2 x 1 1/4	T	FRC	3.6	10.0	11.5	74.9	0.7	13320	13820	
3077-67	P/S 2 x 1/4	D	DND	1.8	8.0	15.1	75.1	0.8	13860	14120	108
3225-67	P/S 2 x 1/4	D	DND	3.3	7.6	15.2	73.9	0.9	13640	14100	236
3379-67	P/S 1 1/2 x 1/4	D	DND	2.5	5.9	12.2	79.4	0.9	14250	14620	188
3504-67	Stoker 1 1/4 x 3/8	D	FRC	4.7	5.8	11.4	78.1	0.7	13920	14600	
2020-67	P/S 1 1/4 x 1/4	D	DND	4.8	7.1	13.8	74.3	0.9	13760	14450	51
2058-67	P/S 1 1/4 x 1/4	D	DND	4.8	6.4	12.2	76.6	0.8	13600	14290	58
2066-67	P/S 1 1/4 x 1/4	D	DND	5.0	6.4	15.0	73.6	0.7	13790	14510	25
2114-67	P/S 1 1/4 x 1/4	D	DND	5.1	6.3	14.0	74.6	0.8	13690	14430	51
2247-67	P/S 1 1/4 x 1/4	D	DND	5.4	7.2	13.1	74.3	0.7	13530	14310	53
2248-67	P/S 1 1/4 x 1/4	D	DND	4.6	6.2	13.4	75.8	0.8	13850	14520	51
2249-67	P/S 1 1/4 x 1/4	D	DND	7.5	6.2	14.4	71.9	0.7	13480	14560	49
2398-67	P/S 1 1/4 x 1/4	D	DND	3.3	6.1	15.4	75.2	0.8	14190	14680	49
2532-67	P/S 1 1/4 x 1/4	D	DND	5.0	6.6	13.9	74.5	0.7	13730	14460	50
2672-67	P/S 1 1/4 x 1/4	D	DND	4.4	7.0	14.8	73.8	0.8	13680	14310	47
3037-67	P/S 1 1/4 x 1/4	D	DND	1.0	9.4	13.7	75.9	0.9	13790	13920	211
3091-67	P/S 1 1/4 x 1/4	D	DND	2.3	8.2	13.0	76.5	0.9	13770	14090	37
3118-67	P/S 1 1/4 x 1/4	D	DND	0.9	7.2	12.6	79.3	0.9	14150	14280	109
3284-67	P/S 1 1/4 x 1/4	D	DND	1.5	7.0	13.3	78.2	0.9	13870	14090	137
3322-67	P/S 1 1/4 x 1/4	D	DND	3.0	7.5	12.9	76.6	0.7	13960	14400	71
3347-67	P/S 1 1/4 x 1/4	D	DPW	2.2	7.0	13.5	77.3	0.8	14140	14460	30

PROVINCE OF ALBERTA
SEMIANTHRACITE - LOW VOLATILE BITUMINOUS
(CONTINUED)

Sample Number	Size Designation, Inches	Kind of Sample	Sampled by	As Received						Dry		Tonnage Represented by Sample
				Moisture, %	Ash, %	Volatile Matter, %	Fixed Carbon, %	Sulphur, %	Calorific Value			
									Btu/lb Gross	Btu/lb Gross		
AREA Cascade				OPERATOR The Canmore Mines Ltd.								
3454-67	P/S 1 1/4 x 1/4	D	DND	14.1	7.0	19.3	59.6	0.7	11520	13420	123	
3515-67	P/S 1 1/4 x 1/4	D	DND	2.2	6.8	12.7	78.3	0.8	14200	14510	96	
3530-67	P/S 1 1/4 x 1/4	D	DND	2.9	7.4	12.8	76.9	0.8	13880	14300	28	
3541-67	P/S 1 1/4 x 1/4	D	DND	3.6	6.2	12.7	77.5	0.8	14030	14560	57	
3687-67	P/S 1 1/4 x 1/4	D	DND	2.7	6.4	13.0	77.9	0.8	14190	14580	83	
3711-67	P/S 1 1/4 x 1/4	D	DND	3.7	8.3	13.1	74.9	0.9	13600	14130	143	
3716-67	P/S 1 1/4 x 1/4	D	DND	5.6	7.8	14.3	72.3	0.8	13220	14000	28	
2067-67	P/S 1 x 1/4	D	DND	4.4	6.8	13.5	75.3	0.8	13790	14430	854	
2198-67	P/S 1 x 1/4	D	DND	2.8	7.7	13.1	76.4	0.8	13980	14390	901	
2351-67	P/S 1 x 1/4	D	DND	2.8	8.2	17.3	71.7	0.6	13860	14260	713	
2477-67	P/S 1 x 1/4	D	DND	1.7	7.2	15.7	75.4	0.7	14300	14550	458	
2638-67	P/S 1 x 1/4	D	DND	4.0	7.7	13.8	74.5	0.7	13790	14360	645	
2802-67	P/S 1 x 1/4	D	DND	2.5	8.5	13.7	75.3	0.6	13680	14030	601	
2911-67	P/S 1 x 1/4	D	DND	2.4	10.9	18.6	68.1	0.5	13300	13630	447	
3505-67	Stoker 9/16 x 5/16	T	FRC	4.8	6.2	11.7	77.3	0.7	13790	14490		
3719-67	Stoker 9/16 x 5/16	D	DND	3.0	7.3	14.9	74.8	0.6	13950	14380	3	
3506-67	Slack 1/4 x 0	T	FRC	4.1	7.6	11.6	76.7	0.7	13780	14370		
AREA Crowsnest				OPERATOR Coleman Collieries Limited, Vicary Creek Mine - No. 1747								
3451-67	P/S 2 x 1/4	T	FRC	0.4	8.6	23.6	67.4	0.8	14110	14160		
3452-67	Slack - 1/4	T	FRC	4.2	8.1	22.1	65.6	0.5	13520	14110		
3453-67	P/S 1 1/4 x 1/4	T	FRC	5.6	12.4	22.1	59.9	0.5	12490	13230		
SUBBITUMINOUS												
AREA Castor				OPERATOR Battle River Coal Company Ltd., Halkirk Mine No. 1046								
3311-67	Lump + 4 1/2	T	FRC	26.7	4.8	28.3	40.2	0.2	8800	12000		
3312-67	Egg 4 1/2 x 2	T	FRC	26.6	5.3	30.1	38.0	0.3	8760	11930		
3313-67	Nut 2 x 1 1/4	T	FRC	25.3	6.0	29.0	39.7	0.3	8810	11800		
2194-67	Nut 2 x 3/4	D	DND	25.6	6.1	28.0	40.3	0.5	8860	11910	377	
2205-67	Nut 2 x 3/4	D	DND	24.7	6.6	28.4	40.3	0.6	8940	11870	382	
2253-67	Nut 2 x 3/4	D	DND	24.8	6.0	30.0	39.2	0.5	8850	11750	394	
3314-67	Stoker 1 1/4 x 5/8	T	FRC	25.1	6.2	29.2	39.5	0.4	8950	11820		
3315-67	Slack 5/8 x 0	T	FRC	24.2	6.3	30.8	38.7	0.4	8870	11700		
				OPERATOR Forestburg Collieries Limited, Mine No. 1578								
3306-67	Lump + 4 1/2	T	FRC	24.7	6.3	29.5	39.5	0.5	8840	11740		
3307-67	Egg 4 1/2 x 2	T	FRC	26.7	6.1	27.8	39.4	0.4	8580	11700		
3308-67	Nut 2 x 1	T	FRC	25.9	6.1	28.6	39.4	0.4	8730	11780		
3309-67	Stoker 1 x 1/2	T	FRC	26.0	6.0	28.6	39.4	0.4	8740	11810		
3310-67	Slack 1/2 x 0	T	FRC	26.3	8.4	28.0	37.3	0.4	8380	11380		

PROVINCE OF ALBERTA
SUBBITUMINOUS (CONTINUED)

Sample Number	Size Designation, Inches	Kind of Sample	Sampled by	As Received						Dry		Tonnage Represented by Sample
				Moisture, %	Ash, %	Volatile Matter, %	Fixed Carbon, %	Sulphur, %	Calorific Value			
									Btu/lb Gross	Btu/lb Gross		
AREA Edmonton				OPERATOR Egg Lake Coal Co., Ltd., Mine No. 1582								
3721-67	Stockpile	T	FRC	24.5	8.7	29.1	37.7	0.2	8310	11010		
				OPERATOR Star-Key Mines Ltd., Mine No. 1626								
3724-67	Lump + 4 rd	T	FRC	23.4	8.1	29.9	38.6	0.3	8450	11030		
3725-67	Stove 4 rd x 2 sq	T	FRC	24.5	8.7	28.0	38.8	0.3	8400	11120		
3726-67	Nut 2 x 1 1/4 sq	T	FRC	24.6	8.7	28.6	38.1	0.2	8340	11060		
3727-67	Stoker 1 1/4 x 3/8 sq	T	FRC	24.1	8.2	29.6	38.1	0.3	8380	11050		
3728-67	Slack 3/8 x 0	T	FRC	24.5	12.2	28.7	34.6	0.3	7830	10370		
				OPERATOR White Mud Creek Coal Co., Ltd., Mine No. 1727								
3723-67	Channel Sample	Seam	FRC	22.4	7.3	28.6	41.7	0.2	8920	11,490		
AREA Taber				OPERATOR Henry Miller, Mine No. 1604								
3720-67	Channel Sample	Seam	FRC	13.5	12.5	31.2	42.8	0.9	9710	12220		
AREA Carbon				OPERATOR New Ghost Pine Coal Company Ltd., Mine No. 194								
3321-67	Channel Sample	Seam	FRC	16.6	12.5	29.0	41.9	0.5	9390	11260		
AREA Drumheller				OPERATOR Century Coals Ltd. - Mine No. 1742								
3507-67	Lump + 4 1/2	T	FRC	18.2	8.3	29.1	44.4	0.5	9540	11650		
3508-67	Egg 4 1/2 x 2	T	FRC	18.4	7.9	29.7	44.0	0.5	9640	11810		
3509-67	Nut 2 x 1/4	T	FRC	17.7	8.6	30.1	43.6	0.6	9590	11660		
3510-67	Stoker 1 1/4 x 5/8	T	FRC	19.3	10.2	30.1	40.4	0.5	9090	11260		
3511-67	Slack 5/8 x 0	T	FRC	19.4	10.3	28.0	42.3	0.6	9110	11300		
				OPERATOR Fox Coulee, Mine No. 1756								
3512-67	2 1/2 x 0	T	FRC	19.8	9.6	28.7	41.9	0.5	9090	11330		
AREA Pembina (Wabamun)				OPERATOR Alberta Coal Limited, Whitewood, Mine No. 1757								
3722-67	Stockpile	T	FRC	23.1	9.6	27.1	40.2	0.2	8330	10820		
AREA Sheerness				OPERATOR Battle River Coal Company Ltd., Roselyn, Mine No. 443								
3316-67	Lump + 4 1/2	T	FRC	27.4	6.5	29.1	37.0	0.4	8240	11360		
3317-67	Egg 4 1/2 x 2	T	FRC	25.9	6.6	31.5	36.0	0.5	8450	11410		
3318-67	Nut 2 x 1 1/4	T	FRC	26.0	6.8	29.3	37.9	0.7	8410	11350		
3319-67	Stoker 1 1/4 x 5/8	T	FRC	26.6	6.5	28.6	38.3	0.6	8360	11390		
3320-67	Slack 5/8 x 0	T	FRC	26.4	9.2	28.0	36.4	0.9	8110	11020		

PROVINCE OF BRITISH COLUMBIA
BITUMINOUS

Sample Number	Size Designation, Inches	Kind of Sample	Sampled by	As Received						Dry		Tonnage Represented by Sample
				Moisture, %	Ash, %	Volatile Matter, %	Fixed Carbon, %	Sulphur, %	Calorific Value			
									Btu/lb Gross	Btu/lb Gross		

AREA East Kootenay				OPERATOR Canadian Pacific Oil and Gas Co., Elk River Mine						
3279-67	Channel A	Seam	FRC	1.0	19.6	21.7	57.7	0.4	11820	11940
3280-67	Channel B	Seam	FRC	1.0	34.7	20.0	44.3	0.5	9460	9560
3281-67	Channel C	Seam	FRC	1.0	16.9	22.0	60.1	0.4	12420	12550
3282-67	Channel D	Seam	FRC	0.9	10.3	23.3	65.5	0.4	13690	13820
3283-67	Bony Coal	Seam	FRC	1.1	17.4	27.6	53.9	0.4	11880	12010

II. IMPORTED COALS

UNITED STATES

It has been drawn to the attention of this Division 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 Kentucky			Saturn District 8, Pike County				OPERATOR OR TRADE NAME Newsome				
2175-67	N/S 2 x 0	D	DND	4.6	10.1	35.6	49.7	2.6	12940	13560	696
2297-67	N/S 2 x 0	D	DND	9.8	9.5	33.2	47.5	2.8	12040	13350	681
2402-67	N/S 2 x 0	D	DND	5.6	11.6	33.0	49.8	3.3	12150	12870	639
2609-67	N/S 2 x 0	D	DND	7.9	8.9	32.1	51.1	1.3	12090	13130	270
STATE Pennsylvania							OPERATOR OR TRADE NAME Allison				
2059-67	P/S 2 x 1/8	D	DND	5.2	9.9	37.3	47.6	2.7	12750	13450	855
2190-67	P/S 2 x 1/8	D	DND	5.2	9.3	38.3	47.2	2.7	12940	13640	861
2320-67	P/S 2 x 1/8	D	DND	4.7	9.9	37.5	47.9	2.8	12930	13570	969
2473-67	P/S 2 x 1/8	D	DND	5.4	11.3	36.3	47.0	2.3	12210	12910	919
2640-67	P/S 2 x 1/8	D	DND	5.7	9.4	37.9	47.0	2.3	12830	13600	348
2688-67	P/S 2 x 1/8	D	DND	6.4	11.3	36.0	46.3	2.6	12250	13080	192
3401-67	N/S 2 x 0	D	DND	6.4	11.5	36.4	45.7	2.8	12190	13030	221
3625-67	N/S 2 x 0	D	DND	6.0	11.9	35.7	46.4	2.8	12190	12970	498

IMPORTED COALS
(CONTINUED)

Sample Number	Size Designation, Inches	Kind of Sample	Sampled by	As Received					Dry		Tonnage Represented by Sample
				Moisture, %	Ash, %	Volatile Matter, %	Fixed Carbon, %	Sulphur, %	Calorific Value		
									Btu/lb Gross	Btu/lb Gross	
STATE Pennsylvania		Reynoldsville		OPERATOR OR TRADE NAME Convair							
2027-67	N/S 2 x 0	D	DND	6.5	10.9	27.9	54.7	2.4	12470	13330	1023
2098-67	N/S 2 x 0	D	DND	4.5	8.9	34.0	52.6	2.0	13050	13670	1094
3200-67	N/S 2 x 0	D	DND	2.7	8.2	36.6	52.5	2.0	13370	13760	502
3342-67	N/S 2 x 0	D	DND	2.8	3.1	37.4	51.7	1.9	13600	13990	824
3608-67	N/S 2 x 0	D	DND	3.0	9.7	38.5	48.8	2.7	13230	13640	870
		Fairwall District #2, Hilliard		OPERATOR OR TRADE NAME Amos # 8							
2100-67	P/S 2 x 1/8	D	DND	4.4	11.1	37.3	47.2	3.2	12640	13230	778
2344-67	P/S 2 x 1/8	D	DND	4.6	11.1	36.9	47.4	2.8	12540	13140	459
		Armstrong County		OPERATOR OR TRADE NAME Bostonia							
2810-67	P/S 2 x 1/8	D	DND	4.0	10.1	36.1	49.8	3.0	12730	13250	1000
2811-67	P/S 2 x 1/8	D	DND	3.8	11.2	34.4	50.6	4.2	12630	13130	997
2812-67	P/S 2 x 1/8	D	DND	3.2	10.2	38.0	48.6	4.0	12910	13340	1000
2813-67	P/S 2 x 1/8	D	DND	3.5	13.0	36.0	47.5	6.8	12360	12810	998
2867-67	P/S 2 x 1/8	D	DND	4.2	10.4	36.9	48.5	3.7	12640	13200	1000
2868-67	P/S 2 x 1/8	D	DND	3.0	9.4	38.1	49.5	3.7	13040	13440	1000
2869-67	P/S 2 x 1/8	D	DND	3.5	9.6	38.9	48.0	3.5	12840	13300	995
2870-67	P/S 2 x 1/8	D	DND	3.2	9.2	38.8	48.8	3.7	12950	13370	1000
2871-67	P/S 2 x 1/8	D	DND	4.8	8.9	38.2	48.1	3.5	12810	13460	999
2872-67	P/S 2 x 1/8	D	DND	4.5	8.7	37.0	49.8	2.8	12880	13480	998
3054-67	P/S 2 x 1/8	D	DND	3.1	9.4	38.4	49.1	3.5	12920	13330	994
3055-67	P/S 2 x 1/8	D	DND	3.5	8.8	39.2	48.5	3.7	12900	13370	994
3056-67	P/S 2 x 1/8	D	DND	3.8	9.4	38.7	48.1	3.8	12780	13280	1000
3057-67	P/S 2 x 1/8	D	DND	3.3	9.5	38.8	48.4	3.6	12860	13300	996
3058-67	P/S 2 x 1/8	D	DND	3.6	9.0	39.1	48.3	3.5	12950	13430	997
3059-67	P/S 2 x 1/8	D	DND	3.6	9.0	39.1	48.3	3.5	12950	13430	999
3060-67	P/S 2 x 1/8	D	DND	3.1	9.6	38.1	49.2	3.4	12850	13260	1000
3061-67	P/S 2 x 1/8	D	DND	3.4	10.0	38.6	48.0	4.2	12690	13140	134
3251-67	P/S 2 x 1/8	D	DND	3.7	10.1	37.0	49.2	4.0	12710	13200	998
				OPERATOR OR TRADE NAME Dell							
3661-67	N/S 2 x 0	D	DND	3.5	7.9	34.9	53.7	1.1	13350	13830	557
				OPERATOR OR TRADE NAME Greer-Ellison							
3663-67	N/S 2 x 0	D	DND	4.8	8.3	35.4	51.5	1.8	12780	13420	474

IMPORTED COALS
(CONTINUED)

Sample Number	Size Designation, Inches	Kind of Sample	Sampled by	As Received					Dry		Tonnage Represented by Sample
				Moisture, %	Ash, %	Volatile Matter, %	Fixed Carbon, %	Sulphur, %	Calorific Value		
									Btu/lb Gross	Btu/lb Gross	
STATE Pennsylvania		Reynoldsville		OPERATOR OR TRADE NAME					Harlan (Callaghan)		
2028-67	N/S 2 x 0	D	DND	5.4	7.7	34.2	52.7	1.7	13190	13940	1007
2160-67	N/S 2 x 0	D	DND	7.1	11.0	29.4	52.5	2.1	12320	13260	1011
		Knoxdale		OPERATOR OR TRADE NAME					Kniseley		
3594-67	N/S 2 x 0	D	DND	3.2	9.3	33.2	54.3	1.8	13450	13900	177
		Kaylor Upper Freeport Seam		OPERATOR OR TRADE NAME					Lecco		
2022-67	N/S 2 x 0	D	DND	9.7	9.3	31.4	49.6	1.9	11700	12960	639
2023-67	N/S 2 x 0	D	DND	7.5	8.6	33.2	50.7	1.7	12180	13160	192
2176-67	N/S 2 x 0	D	DND	7.3	8.6	33.0	51.1	1.5	12210	13160	1354
2298-67	N/S 2 x 0	D	DND	7.4	9.1	33.0	50.5	1.5	12180	13160	631
2403-67	N/S 2 x 0	D	DND	5.8	8.6	31.6	54.0	1.1	12450	13210	692
2610-67	N/S 2 x 0	D	DND	8.0	9.5	33.2	49.3	2.0	12280	13350	448
		OPERATOR OR TRADE NAME					Margaret				
3426-67	N/S 2 x 0	D	DND	3.2	8.9	36.6	51.3	1.8	13390	13780	688
		Armstrong County		OPERATOR OR TRADE NAME					Mayfair		
2161-67	P/S 2 x 1 1/4	D	DND	6.0	8.6	36.4	49.0	2.8	12820	13630	40
		OPERATOR OR TRADE NAME					McGregor				
3662-67	N/S 2 x 0	D	DND	4.2	7.4	35.1	53.3	1.0	13240	13820	128
		Jefferson County		OPERATOR OR TRADE NAME					Minna, Falls Creek		
2206-67	N/S 2 x 0	D	DND	8.3	10.1	32.6	49.0	1.8	11970	13050	1034
2449-67	N/S 2 x 0	D	DND	10.1	9.7	30.4	49.8	1.0	11770	13080	988
2009-67	N/S 1 1/4 x 0	D	DVA	11.9	6.4	33.0	48.7	0.8	12150	13790	111
		Armstrong County		OPERATOR OR TRADE NAME					Mohican		
2159-67	N/S 2 x 0	D	DND	6.8	10.0	29.7	53.5	1.2	12510	13430	995
2318-67	N/S 2 x 0	D	DND	6.7	11.4	30.1	51.8	1.2	12170	13040	1053
3497-67	N/S 2 x 0	D	DND	7.7	8.7	31.0	52.6	2.6	12520	13550	482
3668-67	N/S 2 x 0	D	DND	6.7	9.4	31.9	52.0	2.7	12350	13230	511
STATE West Virginia		Fairmont		OPERATOR OR TRADE NAME					American		
2166-67	P/S 1 1/4 x 1/8	D	DND	0.6	7.3	38.7	53.4	2.2	14030	14120	209
		Hiton		OPERATOR OR TRADE NAME					Bell Creek		
3062-67	N/S 2 x 0	D	DND	2.9	7.5	37.8	51.8	1.5	13390	13800	323
3180-67	N/S 2 x 0	D	DND	4.0	7.4	37.9	50.7	1.4	13210	13770	313
3275-67	N/S 2 x 0	D	DND	4.8	7.2	37.8	50.2	1.5	13080	13730	600

IMPORTED COALS
(CONTINUED)

Sample Number	Size Designation, Inches	Kind of Sample	Sampled by	As Received					Dry		Tonnage Represented by Sample
				Moisture, %	Ash, %	Volatile Matter, %	Fixed Carbon, %	Sulphur, %	Calorific Value		
									Btu/lb Gross	Btu/lb Gross	
STATE West Virginia				OPERATOR OR TRADE NAME Compass							
2207-67	P/S 2 x 3/4	D	Justice	1.9	8.0	40.5	49.6	3.0	13850	14120	1000
3224-67	N/S 2 x 0	D	DND	3.8	7.1	29.9	49.2	3.1	13360	13890	400
3298-67	N/S 2 x 0	D	DND	1.3	7.9	39.6	51.2	2.9	13760	13940	471
				OPERATOR OR TRADE NAME Dawson							
3595-67	P/S 2 x 1/8	D	DND	4.1	5.1	40.8	50.0	1.9	13890	14480	33
				OPERATOR OR TRADE NAME Elm Grove							
3456-67	P/S 2 x 1/8	D	DND	2.2	6.5	40.5	50.8	2.9	13690	14000	59
3626-67	P/S 2 x 1/8	D	DND	1.7	6.0	40.0	51.3	2.7	13720	14100	193
				OPERATOR OR TRADE NAME McGregor							
3664-67	Egg 5 x 2	D	DND	0.7	5.8	36.2	57.3	0.9	14340	14440	117
				OPERATOR OR TRADE NAME O'Donnell							
Four States											
2614-67	Nut 1 1/2 x 1/2	D	Justice	1.5	7.8	39.5	51.2	2.5	13840	14050	417
3216-67	P/S 1 1/4 x 1/2	D	DPW	5.7	13.8	34.9	45.6	3.5	11740	12450	3200
3350-67	P/S 1 1/4 x 1/2	D	DPW	2.6	7.9	40.2	49.3	3.0	13640	14000	
3620-67	P/S	D	DND	0.7	8.2	39.4	51.7	2.7	13930	14030	317
				OPERATOR OR TRADE NAME Omar							
Cedar Grove Seam, District 8											
3302-67	P/S 2 x 1/4	D	DND	3.6	3.4	39.3	53.7	0.7	13990	14510	115
				OPERATOR OR TRADE NAME Algoma Mine							
McDowell County											
3285-67	P/S 1 x 1/8	D	DND	2.0	5.3	21.4	71.3	0.7	14230	14530	47
3403-67	P/S 1 x 1/8	D	DND	2.7	6.2	33.9	57.2	1.2	13960	14360	51
3624-67	P/S 1 x 1/8	D	DND	0.7	6.4	22.9	70.0	1.0	14410	14520	75
STATE Ohio				OPERATOR OR TRADE NAME Jense							
3402-67	P/S 2 x 1/4	D	DND	6.2	5.2	43.8	44.8	4.1	12830	13670	61
3593-67	P/S 2 x 1/4	D	DND	7.1	6.0	41.5	45.4	4.0	12490	13440	61

INDEX

	<u>Page</u>
I. CANADIAN COALS	
Acadia Coal Company Division	9
Avon Coal Co. Ltd.	10
Battle River Coal Company Ltd.	12-13-14
Bras d'Or Coal Co. Ltd.	8
Canadian Pacific Oil and Gas Co.	15
The Canmore Mines Ltd.	12
Century Coals Ltd.	14
Coleman Collieries Ltd.	13
Dominion Coal Co. Ltd.	5
Dosco Industries Limited	5
Dosco Industries Limited Acadia Coal Company Division	9
Drummond Coal Co. Ltd.	10
Egg Lake Coal Co., Ltd.	14
Evans Coal Mines Ltd.	9
Forestburg Collieries	13
Fox Coulee	14
Great West Coal Company Ltd.	11
Henry Miller	14
Manitoba and Saskatchewan Coal Co. Ltd.	11
Mills, D.W. and R.A., Ltd.	11
Miramichi Lumber Company Ltd.	11
New Ghost Pine Coal Company Ltd.	14
Springhill Coal Mines Limited	10
Star-Key Mines Ltd.	14
Utility Coals Ltd.	12
White Mud Creek Coal Co., Ltd.	14

(Index, cont'd) -

	<u>Page</u>
II. IMPORTED COALS	
Algoma Mine, W. Va.	18
Allison, Pa.	15
American, W. Va.	17
Amos No. 8, Pa.	16
Bell Creek, Hiton, W. Va.	17
Bostonia, Pa.	16
Compass, W. Va.	18
Convair, Pa.	16
Dawson, W. Va.	18
Dell, Pa.	16
Elm Grove, W. Va.	18
Greer-Ellison, Pa.	16
Harlan (Callaghan Mine), Pa.	17
Jensie, Ohio	18
Kniseley, Pa.	17
Lecco, Pa.	17
Margaret, Pa.	17
Mayfair, Pa.	17
McGregor, Pa.	17
McGregor, W. Va.	18
Minna, Falls Creek, Pa.	17
Mohican, Pa.	17
Newsome, Ky.	15
O'Donnell Mine, W. Va.	18
Omar, Cedar Grove District #8, W. Va.	18

==