

NTS.

104 H-2.

Coal Outcrop Sample Analyses
Mt. Klappan, Groundhog Coalfield
104 H/2

Birtley Coal and Minerals Testing
Reports

November, 1979

OPEN FILE

788

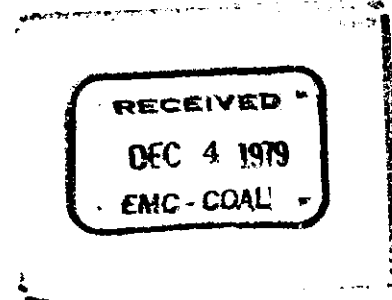
Birtley Coal & Minerals Testing

A DIVISION OF GREAT WEST STEEL INDUSTRIES LTD.

NTS. 104H-2



30 November 1979



Mr. B. Vincent
Esso Minerals Canada Limited
500 - Sixth Avenue SW
Calgary, Alberta
T2P 0S1

Re: File - Groundhog 104H/2

Dear Mr. Vincent,

Enclosed you will find the test results for your Mt. Klappan Channel Samples delivered to our laboratory on October 26, 1979 and processed according to instructions received on October 30, 1979.

We trust you will find everything in order.

Yours truly,

BIRTLEY COAL & MINERALS TESTING

A handwritten signature in cursive script that reads "Frank J. Horvat".

Frank J. Horvat
General Manager

encl.
lah

OPEN FILE

788

CLIENT: ESSO MINERALS CANADA
 SAMPLE: MT. KLAPPAN OUTCROP CHANNEL SAMPLES
OUTCROP W29 - HOBBIT #1

LAB. NO.	ADM%	MOIST.	ASH%	VOL%	FC. %	S. %	B. T. U.	
4125 W1	11.2	1.6	8.8	7.9	81.7	0.51	13031	adb
		12.6	7.8	7.0	72.6	0.45	11572	arb
			8.9	8.0	83.1	0.52	13243	db
4126 W2	7.1	1.9	21.4	7.2	69.5	0.53	11140	adb
		8.9	19.9	6.7	64.5	0.49	10349	arb
			21.8	7.3	70.9	0.54	11356	db
4127 W3	7.2	2.2	20.0	6.0	71.8	0.43	11480	adb
		9.2	18.6	5.7	66.5	0.40	10653	arb
			20.4	6.1	73.5	0.44	11738	db
4128 W4	7.4	1.1	17.6	8.4	72.9	0.49	11809	adb
		8.4	16.3	7.8	67.5	0.45	10935	arb
			17.8	8.5	73.7	0.50	11940	db
4129 W5	5.4	1.6	40.2	7.0	51.2	0.33	7954	adb
		6.9	38.0	6.6	48.5	0.31	7524	arb
			40.9	7.1	52.0	0.34	8083	db
4130 W6	15.3	3.2	27.2	15.0	54.6	0.52	9148	adb
		18.0	23.0	12.7	46.3	0.44	7748	arb
			28.1	15.5	56.4	0.54	9450	db
4131 W7	7.8	1.6	34.3	6.9	57.2	0.40	9098	adb
		9.3	31.6	6.4	52.7	0.37	8388	arb
			34.9	7.0	58.1	0.41	9246	db
4152 W28	5.2	1.9	24.8	7.8	65.5	0.49	10474	adb
		7.0	23.5	7.4	62.1	0.46	9929	arb
			25.3	8.0	66.7	0.50	10677	db
4253 COMPOSITE OF W1, W2 W3 & W4	RM. %	ASH%	VOL%	FC. %	S. %	B. T. U.	S. G.	
	1.8	18.6	7.0	72.6	0.48	11650	1.52	adb
		18.9	7.1	74.0	0.49	11864	-	db
4252 COMPOSITE OF W6 & W7	RM. %	ASH%	VOL%	FC. %	S. %	B. T. U.		
	2.3	31.7	9.8	56.2	0.42	9106		adb
		32.4	10.0	57.6	0.43	9320		db

**Birtley Coal
& Minerals Testing**

ADIVISION OF GREAT WEST STEEL INDUSTRIES LTD

CLIENT: ESSO MINERALS CANADA
 SAMPLE: MT. KLAPPAN OUTCROP CHANNEL SAMPLES
OUTCROP W31 - HOBBIT #2

LAB. NO.	ADM%	MOIST.	ASH%	VOL%	FC. %	S. %	B. T. U.	
4138	10.8	2.7	13.7	14.2	69.4	0.66	11174	adb
W14		13.2	12.2	12.7	61.9	0.59	9967	arb
			14.1	14.6	71.3	0.68	11484	db
4139	12.3	2.5	23.1	12.9	61.5	0.60	9924	adb
W15		14.5	20.3	11.3	53.9	0.53	8703	arb
			23.7	13.2	63.1	0.62	10178	db
4140	8.5	2.0	22.0	9.4	66.6	0.67	10636	adb
W16		10.3	20.1	8.6	61.0	0.61	9732	arb
			22.4	9.6	68.0	0.68	10853	db
4141	8.9	1.7	28.2	7.4	62.7	0.67	9974	adb
W17		10.4	25.7	6.7	57.2	0.61	9086	arb
			28.7	7.5	63.8	0.68	10146	db
4151	6.2	1.7	24.3	9.6	64.4	0.53	10299	adb
W27		7.8	22.8	9.0	60.4	0.50	9660	arb
			24.7	9.8	65.5	0.54	10477	db

CLIENT: ESSO MINERALS CANADA LIMITED
 SAMPLE: MT. KLAPPAN OUTCROP CHANNEL SAMPLES
OUTCROP W32a - HOBBIT #3

LAB.NO.	ADM%	MOIST.	ASH%	VOL%	FC.%	S.%	B.T.U.	
4132	11.5	3.1	20.8	15.9	60.2	0.47	9966	adb
W8		14.2	18.4	14.1	53.3	0.42	8820	arb
			21.5	16.4	62.1	0.49	10285	db
4133	8.8	2.9	16.1	12.7	68.3		10903	adb
W9		11.4	14.7	11.6	62.3	0.44	9944	arb
			16.6	13.1	70.3	0.49	11229	db
4134	11.9	2.9	24.2	13.6	59.3	0.41	9452	adb
W10		14.5	21.3	12.0	52.2	0.36	8327	arb
			24.9	14.0	61.1	0.42	9734	db
4135	12.3	2.7	10.3	15.1	71.9	0.53	11689	adb
W11		14.7	9.0	13.2	63.1	0.46	10251	arb
			10.6	15.5	73.9	0.54	12013	db
4136	11.9	2.5	6.7	14.1	76.7	0.64	12511	adb
W12		14.1	5.9	12.4	67.6	0.56	11022	arb
			6.9	14.5	78.6	0.66	12832	db
4137	13.6	2.2	19.2	12.5	66.1	0.54	11006	adb
W13		15.5	16.6	10.8	57.1	0.47	9509	arb
			19.6	12.8	67.6	0.55	11254	db
4150	7.4	4.0	15.2	14.0	66.8	0.50	10805	adb
W26		11.1	14.1	13.0	61.8	0.46	10005	arb
			15.8	14.6	69.6	0.52	11255	db

4255 COMPOSITE OF W8,W9, W10,W11,W12	RM.%	ASH%	VM.%	FC.%	S.%	B.T.U.	
	2.9	15.9	14.2	67.0	0.51	10856	adb
		16.4	14.6	69.0	0.53	11180	db

**Birtley Coal
& Minerals Testing**

A DIVISION OF GREAT WEST STEEL INDUSTRIES LTD

CLIENT: ESSO MINERALS CANADA
 SAMPLE: MT. KLAPPAN OUTCROP CHANNEL SAMPLES
OUTCROP W34 - HOBBIT #4

LAB. NO.	ADM%	MOIST.	ASH%	VOL%	FC. %	S. %	B. T. U.	
4142 W18	10.9	2.9	13.9	11.6	71.6	0.55	11555	adb
		13.5	12.4	10.3	63.8	0.49	10296	arb
			14.3	11.9	73.8	0.57	11900	db
4143 W19	12.5	1.8	18.2	11.5	68.5	0.58	11186	adb
		14.1	15.9	10.1	59.9	0.51	9788	arb
			18.5	11.7	69.8	0.59	11391	db
4144 W20	14.2	2.5	16.1	13.3	68.1	0.62	11029	adb
		16.3	13.8	11.4	58.5	0.53	9463	arb
			16.5	13.6	69.9	0.64	11312	db
4145 W21	14.6	2.1	11.8	14.0	72.1	0.60	11852	adb
		16.4	10.1	12.0	61.5	0.51	10122	arb
			12.1	14.3	73.6	0.61	12106	db
4146 W22	10.0	1.6	16.1	10.1	72.2	0.55	11587	adb
		11.4	14.5	9.1	65.0	0.50	10428	arb
			16.4	10.3	73.3	0.56	11775	db
4147 W23	16.9	2.5	20.5	14.6	62.4	0.56	10371	adb
		19.0	17.0	12.1	51.9	0.47	8618	arb
			21.0	15.0	64.0	0.57	10637	db
4148 W24	15.7	2.0	39.1	12.2	46.7	0.42	7418	adb
		17.4	33.0	10.3	39.3	0.35	6253	arb
			39.9	12.4	47.7	0.43	7569	db
4149 W25	13.6	2.3	20.0	13.1	64.6	0.61	10579	adb
		15.6	17.3	11.3	55.8	0.53	9140	arb
			20.5	13.4	66.1	0.62	10828	db
4256 COMPOSITE OF W18, W19, W20, W21, W22, W23	RM. %	ASH%	VOL%	FC. %	S. %	B. T. U.	S. G.	adb
	2.6	15.9	12.4	69.1	0.58	11310	1.53	adb
		16.3	12.7	71.0	0.60	11612	-	db

**Birtley Coal
& Minerals Testing**

A DIVISION OF GREAT WEST STEEL INDUSTRIES LTD

CLIENT: ESSO MINERALS CANADA LIMITED
 SAMPLE: MT. KLAPPAN OUTCROP CHANNEL SAMPLES
OUTCROP W37 - HOBBIT A

LAB. NO.	ADM%	MOIST.	ASH%	VOL%	FC.%	S.%	B.T.U.	
4153	5.5	2.1	51.2	6.2	40.5	0.36	-	adb
W29		7.5	48.4	5.9	38.2	0.34	-	arb
			52.3	6.3	41.4	0.37	-	db
4154	9.5	1.3	16.2	9.8	72.7	0.55	11790	adb
W30		10.7	14.7	8.9	65.7	0.50	10670	arb
			16.4	9.9	73.7	0.56	11945	db
4155	12.7	1.9	83.0	10.8	4.3	0.11	-	adb
W31		14.4	72.5	9.4	3.7	0.10	-	arb
			84.6	11.0	8.1	0.11	-	db
4156	8.7	0.9	22.9	11.1	65.1	0.58	10888	adb
W32		9.5	20.9	10.1	59.5	0.53	9941	arb
			23.1	11.2	65.7	0.59	10987	db
4157	12.7	1.7	57.7	7.5	33.1	0.39	-	adb
W33		14.2	50.4	6.5	28.9	0.34	-	arb
			58.7	7.6	33.7	0.40	-	db
4158	6.9	1.4	15.0	7.2	76.4	0.75	12423	adb
W34		8.2	14.0	6.7	68.1	0.70	11566	arb
			15.2	7.3	77.5	0.76	12599	db
4159	8.0	1.0	17.6	10.5	70.9	0.55	12079	adb
W35		8.9	16.2	9.7	65.2	0.51	11113	arb
			17.8	10.6	71.6	0.56	12201	db
4160	8.7	0.9	44.2	9.6	45.3	0.38	7678	adb
W36		9.5	40.4	8.8	41.3	0.35	7010	arb
			44.6	9.7	45.7	0.38	7748	db
4161	8.8	1.1	27.5	7.7	63.7	0.58	10267	adb
W37		9.8	25.1	7.0	58.1	0.53	9364	arb
			27.8	7.8	64.4	0.59	10381	db
LAB. NO.		RM. %	ASH%	VM. %	FC. %	S. %	B. T. U.	
4257		1.6	34.1	9.1	55.2	0.50	8704	adb
COMPOSITE OF W30, W31, W32, W33, W34, W35			34.7	9.2	56.1	0.51	8846	db

**Birtley Coal
& Minerals Testing**

A DIVISION OF GREAT WEST STEEL INDUSTRIES LTD.

CLIENT: ESSO MINERALS CANADA LIMITED
 SAMPLE: MT. KLAPPAN OUTCROP CHANNEL SAMPLES
OUTCROP W36 - HOBBIT B

LAB. NO.	ADM%	MOIST.	ASH%	VOL%	FC. %	S. %	B. T. U.		
4120	11.4	2.5	13.1	12.6	71.8	0.51	11667	adb	
B32		13.6	11.6	11.2	63.6	0.45	10337	arb	
			13.4	12.9	73.7	0.52	11966	db	
4121	14.1	3.0	8.2	13.3	75.5	0.57	12500	adb	
B33		16.7	7.0	11.4	64.9	0.49	10738	arb	
			8.5	13.7	77.8	0.59	12887	db	
LAB. NO.		RM. %	ASH%	VM. %	FC. %	S. %	B. T. U.	S. G.	
4258		2.7	11.2	13.1	73.0	0.53	12044	1.50	adb
COMPOSITE OF B32 & B33			11.5	13.5	75.0	0.54	12378	-	db

29 November 1979

CLIENT: ESSO MINERALS CANADA LIMITED
SAMPLE: MT. KLAPPAN OUTCROP CHANNEL SAMPLES
OUTCROP W216 - CINCIE #1

LAB. NO.	ADM%	MOIST.	ASH%	VOL%	FC. %	S. %	B. T. U.	S. G.	
4162	13.9	4.0	28.8	18.4	48.8	0.42	8095	1.70	adb
W38		17.3	24.8	15.8	42.1	0.36	6970	-	arb
			30.0	19.2	50.8	0.43	8432	-	db

**Birtley Coal
& Minerals Testing**

A DIVISION OF GREAT WESTERN INDUSTRIES LTD.

29 November 1979

CLIENT: ESSO MINERALS CANADA LIMITED
SAMPLE: MT. KLAPPAN OUTCROP CHANNEL SAMPLES
OUTCROP W49

LAB.NO.	ADM%	MOIST.	ASH%	VM.%	FC.%	S.%	B.T.U.	
4115	8.9	6.2	28.8	9.9	55.1	0.55	8861	adb
B27		14.5	26.2	9.0	50.3	0.50	8072	arb
			30.7	10.6	58.7	0.59	9447	db

**Birtley Coal
& Minerals Testing**

A DIVISION OF GREAT WEST STEEL INDUSTRIES LTD

29 November 1979

CLIENT: ESSO MINERALS CANADA LIMITED
 SAMPLE: MT, KLAPPAN OUTCROP CHANNEL SAMPLES
OUTCROP W51 - FOX #1

LAB. NO.	ADM%	MOIST.	ASH%	VM. %	FC. %	S. %	B. T. U.	
4116 B28	9.9	1.9	25.4	8.3	64.4	1.09	10386	adb
		11.6	22.9	7.5	58.0	0.98	9358	arb
			25.9	8.5	65.6	1.11	10587	db
4117 B29	11.5	1.5	29.3	7.7	61.5	0.69	9973	adb
		12.8	25.9	6.8	54.5	0.61	8826	arb
			29.7	7.8	62.5	0.70	10125	db
4118 B30	10.1	1.1	39.6	4.9	54.4	0.56	8128	adb
		11.1	35.6	4.4	48.9	0.50	7307	arb
			40.0	5.0	55.0	0.57	8218	db
4119 B31	8.5	2.5	34.9	7.1	55.5	0.76	8768	adb
		10.8	31.9	6.5	50.8	0.70	8023	arb
			35.8	7.3	56.9	0.78	8993	db

**Birtley Coal
& Minerals Testing**

A DIVISION OF GREAT WEST STEEL INDUSTRIES LTD

29 November 1979

CLIENT: ESSO MINERALS CANADA LIMITED
 SAMPLE: MT. KLAPPAN OUTCROP CHANNEL SAMPLES
OUTCROP B202 - KLAPPAN #1

LAB.NO.	ADM%	MOIST.	ASH%	VM.%	FC.%	S.%	B.T.U	
4122	5.0	2.5	19.2	6.4	71.9	0.47	10820	adb
B34		7.4	18.2	6.1	68.3	0.45	10279	arb
			19.7	6.6	73.7	0.48	11097	db
4123	3.4	3.1	20.0	5.0	71.9	0.46	10989	adb
B35		6.4	19.3	4.8	69.5	0.44	10615	arb
			20.6	5.2	74.2	0.47	11341	db
4124	4.4	2.1	19.9	5.9	72.1	0.43	10879	adb
B36		6.4	19.0	5.6	69.0	0.41	10400	arb
			20.3	6.0	73.7	0.44	11112	db

**Birtley Coal
& Minerals Testing**

A DIVISION OF GREAT WEST STEEL INDUSTRIES LTD

29 November 1979

CLIENT: ESSO MINERALS CANADA LIMITED
 SAMPLE: MT. KLAPPAN OUTCROP CHANNEL SAMPLES
OUTCROP W166 EAST - GRIZZLEY #1

LAB. NO.	ADM%	MOIST.	ASH%	VOL. %	FC. %	S. %	B. T. U.	
4163 V1	8.5	1.5	76.3	6.0	16.2	0.18	-	adb
		9.9	69.8	5.5	14.8	0.16	-	arb
			77.5	6.1	16.4	0.18	-	db
4164 V2	8.8	1.9	52.5	10.4	35.2	0.29	-	adb
		10.5	47.9	9.5	32.1	0.26	-	arb
			53.5	10.6	35.9	0.30	-	db
4165 V3	10.3	1.2	40.4	9.1	49.3	0.46	7996	adb
		11.4	36.2	8.2	44.2	0.41	7172	arb
			40.9	9.2	49.9	0.47	8093	db
4166 V4	9.5	2.1	23.8	10.9	63.2	0.50	10717	adb
		11.4	21.5	9.9	57.2	0.45	9699	arb
			24.3	11.1	64.6	0.51	10947	db
4167 V5	9.3	1.9	37.6	10.0	50.5	0.50	8115	adb
		11.0	34.1	9.1	45.8	0.45	7360	arb
			38.3	10.2	51.5	0.51	8272	db

LAB. NO.	RM. %	ASH%	VM. %	FC. %	S. %	B. T. U.	
4259 COMPOSITE OF V3&V4	2.0	31.0	9.8	57.2	0.48	9492	adb
		31.6	10.0	58.4	0.49	9686	db

**Birtley Coal
& Minerals Testing**

A DIVISION OF GREAT WEST STEEL INDUSTRIES LTD.

29 November 1979

CLIENT: ESSO MINERALS CANADA LIMITED
 SAMPLE: MT. KLAPPAN OUTCROP CHANNEL SAMPLES
OUTCROP W166 WEST - GRIZZLEY #2

LAB.NO.	ADM%	MOIST.	ASH%	VOL%	FC.%	S.%	B.T.U.	
4168 V6	9.8	2.4	11.5	15.0	71.1	0.64	11884	adb
		12.0	10.4	13.5	64.1	0.58	10719	arb
			11.8	15.4	72.8	0.66	12176	db
4169 V7	13.2	2.2	66.8	7.8	23.2	0.51	-	adb
		15.1	58.0	6.8	20.1	0.44	-	arb
			68.3	8.0	23.7	0.52	-	db
4170 V8	12.4	1.7	20.2	9.5	68.6	0.48	11226	adb
		13.9	17.7	8.3	60.1	0.42	9834	arb
			20.5	9.7	69.8	0.49	11420	db
4171 V9	12.0	1.5	15.2	10.1	73.2	0.63	12078	adb
		13.3	13.4	8.9	64.4	0.55	10629	arb
			15.4	10.3	74.3	0.64	12262	db

LAB.NO.	RM.%	ASH%	VM.%	FC.%	S.%	B.T.U.	
4206 COMPOSITE OF V8&V9	1.6	16.8	9.7	71.9	0.59	11863	adb
		17.1	9.9	73.0	0.60	12056	db

**Birtley Coal
& Minerals Testing**

A DIVISION OF GREAT WEST STEEL INDUSTRIES LTD.

CLIENT: ESSO MINERALS CANADA LIMITED
 SAMPLE: MT. KLAPPAN OUTCROP CHANNEL SAMPLES
OUTCROP B30 - GRIZZLEY #3

LAB.NO.	ADM%	MOIST.	ASH%	VM.%	FC.%	S.%	B.T.U.	
4133	13.0	1.7	11.6	8.5	78.2	0.56	12645	adb
B26		14.5	10.1	7.4	68.0	0.49	11001	arb
			11.8	8.6	79.6	0.57	12864	db
4114	9.2	1.0	18.8	6.9	73.3	0.58	12018	adb
B26A		10.1	17.1	6.3	66.5	0.53	10912	arb
			19.0	7.0	74.0	0.59	12139	db

CLIENT: ESSO MINERALS CANADA LIMITED
 SAMPLE: MT. KLAPPAN OUTCROP CHANNEL SAMPLES
 OUTCROP B111 - LOST RIDGE #1

LAB.NO.	ADM%	MOIST.	ASH%	VOL%	FC.%	S.%	B.T.U.	
4096 B9	12.8	4.1	14.0	12.3	69.6	0.53	11201	adb
		16.4	12.2	10.7	60.7	0.46	9767	arb
			14.6	12.8	72.6	0.55	11680	db
4097 B10	10.8	4.1	10.6	11.9	73.4	0.52	11755	adb
		14.5	9.5	10.6	65.4	0.46	10485	arb
			11.1	12.4	76.5	0.54	12258	db
4098 B11	15.0	2.1	18.3	11.4	68.2	0.38	10796	adb
		16.0	15.6	9.7	58.7	0.32	9177	arb
			18.7	11.6	69.7	0.39	11028	db
4099 B12	10.5	3.0	15.3	11.7	70.0	0.47	11564	adb
		13.2	13.7	10.5	62.6	0.42	10350	arb
			15.8	12.1	72.1	0.48	11992	db
4100 B13	7.2	4.5	8.7	9.1	77.7	0.53	12447	adb
		11.4	8.1	8.4	72.1	0.49	11551	arb
			9.1	9.5	81.4	0.55	13034	db
4101 B14	6.6	4.3	4.7	7.4	83.6	0.45	13060	adb
		10.6	4.4	6.9	78.1	0.42	12198	arb
			4.9	7.7	87.4	0.47	13647	db
4102 B15	12.5	6.9	7.6	13.7	71.8	0.46	11545	adb
		18.5	6.7	12.0	62.8	0.40	10102	arb
			8.2	14.7	77.1	0.49	12401	db

LAB.NO.	RM.%	ASH%	VM.%	FC.%	S.%	B.T.U.	S.G.	
4261 COMPOSITE OF B9,B10 B11,B12,B13,B14,B15	4.1	11.0	10.7	74.2	0.51	11848	1.53	adb
		11.5	11.2	77.3	0.53	12355	-	db

Birtley Coal
& Minerals Testing

A DIVISION OF GREAT WEST STEEL INDUSTRIES LTD.

CLIENT: ESSO MINERALS CANADA LIMITED
 SAMPLE: MT. KLAPPAN OUTCROP CHANNEL SAMPLES
OUTCROP B108 - LOST RIDGE #1A

LAB.NO.	ADM%	MOIST.	ASH%	VOL%	FC.%	S.%	B.T.U.	
4107 B20	8.9	2.2	5.6	5.8	86.4	0.65	13700	adb
		10.9	5.1	5.3	78.7	0.59	12481	arb
			5.7	5.9	88.4	0.66	14008	db
4108 B21	8.3	2.2	13.8	5.8	78.2	0.49	12349	adb
		10.3	12.7	5.3	71.7	0.45	11407	arb
			14.1	5.9	80.0	0.50	12719	db
4109 B22	10.6	2.5	16.8	6.4	74.3	0.44	11917	adb
		12.8	15.0	5.7	66.5	0.39	10654	arb
			17.2	6.6	76.2	0.45	12223	db
4110 B23	7.5	2.4	20.9	7.6	69.1	0.53	11228	adb
		9.7	19.3	7.0	64.0	0.49	10386	arb
			21.4	7.8	70.8	0.54	11504	db
4111 B24	7.7	2.6	20.8	5.8	70.8	0.47	11336	adb
		10.1	19.2	5.4	65.3	0.43	10463	arb
			21.4	6.0	72.6	0.48	11639	db
4112 B25	10.5	1.8	16.6	6.6	75.0	0.54	11971	adb
		12.1	14.9	5.9	67.1	0.48	10714	arb
			16.9	6.7	76.4	0.55	12190	db

LAB.NO.	RM.%	ASH%	VM.%	FC.%	S.%	B.T.U.	
4262 COMPOSITE OF B21, B22, B23, B24 & B25	2.2	18.0	6.1	73.7	0.49	11755	adb
		18.4	6.2	75.4	0.50	12019	db

CLIENT: ESSO MINERALS CANADA LIMITED
 SAMPLE: MT. KLAPPAN OUTCROP CHANNEL SAMPLES
OUTCROP B218 - LOST RIDGE #2

LAB.NO.	ADM%	MOIST.	ASH%	VOL%	FC.%	S.%	B.T.U.	
4103	7.6	5.0	33.4	6.5	55.1	0.49	8595	adb
B16		12.2	30.9	6.0	50.9	0.45	7942	arb
			35.2	6.8	58.0	0.52	9047	db
4104	14.0	3.0	21.1	9.0	66.9	0.49	10681	adb
B17		16.6	18.1	7.7	57.6	0.42	9186	arb
			21.8	9.3	68.9	0.51	11011	db
4105	9.5	2.7	12.1	6.8	78.4	0.48	12437	adb
B18		11.9	11.0	6.2	70.9	0.43	11255	arb
			12.4	7.0	80.6	0.49	12782	db
4106	14.9	3.1	46.8	8.7	41.4	0.28	5431	adb
B19		17.5	39.8	7.4	35.3	0.24	4622	arb
			48.3	9.0	42.7	0.29	5605	db

LAB.NO.	RM.%	ASH%	VM.%	FC.%	S.%	B.T.U.	S.G.	
4263	3.0	28.4	8.0	60.6	0.38	9240	1.68	adb
COMPOSITE OF B17, B18, & B19		29.3	8.2	62.5	0.39	9526	-	db