CYCLONE ENGINEERING SALES LTD.

SEPARATION OF BULK MATERIALS

Manufacturing, Engineering, Testing Services

9751 - 51 Avenue
Edmonton, Alberta T6E 4Z5
Telephone: (403) 436-1385

Cable Address:
Cyclone, Edmonton
Telex: 037-3793
Ref: S1-210

August 16, 1976

Mr. T.J. Adamson
Project Geologist
Cyprus Anvil Mining Corp.
Caramacks, Y.T.

Dear Tom;

Thank you for your letter of August 5, 1976 which offers us an opportunity to provide laboratory services to Cyprus Anvil Mining Corporation.

We are just as much disappointed as Cyprus Anvil to hear that your exploration program in Northwestern Alberta is being delayed. We will look forward to working for Cyprus Anvil and would appreciate if you would keep us informed on the future development of this coking coal deposit. We are however, very proud to learn that our proposal for coal analysis gained your approval.

With regards to the core testing program for the thermal coal near Carmacks, Yukon, I have studied your flowchart for analysis and would like to suggest the following additional tests:

1. Calorific Values- B.T.U./LB. added to head sample and all Sp. Gravity fractions of 1/4" x 28 mesh size fraction. This will establish the heating values at all Sp. Gravities, cumulative data for B.T.U., and will also provide a check of analysis on the +28 mesh fraction.

2. F.S.I. determinations added on all the cumulative fractions (actual samples)of 1/4" x 28 mesh when the clean coal of 1/4" x 28 mesh has a F.S.I. equal or greater than 4. Most likely these tests will not be required, but if it indicates such a necessity, then these analyses will ascertain whether the coal has any coking properties at all.

3. Proximate, F.S.I. and B.T.U. added to the head sample of 28 mesh x 0. This will provide an overall balance of the analysis and better understanding of the fine fraction. If the size consist data shows that 28 x 0 mesh is of

/2

a significant amount, I would like to further comment on this then.

4. Residual Moisture added on all points where it was not shown in your flowsheet. As Residual Moisture is a variable from time to time, with them available at the time of analysis of other parameters will enable conversion to dry basis which is the most reasonable basis to compare results.

I have added all the amendments to your flowchart for your consideration. A Format of Report is also attached. Along with the report, there will be a washability and cumulative B.T.U. curves for the 1/4" x 28 mesh fraction.

The total price for a 1 - component system is $313.00 or $337.00 depending on whether F.S.I. determinations are required on the Sp. Gr. fractions of 1/4" x 28 mesh. The breakdown on the total price is as follows:

Table 1	Preparation of components and Analysis	$35.00
Table 2	Analyses of composite head sample.	32.00
Table 3	Size consist of composite.	24.00
Table 4	Analyses of size fractions.	52.00
Table 5	F/S and analysis of +28 mesh fraction	120.00
Table 6	F.S.I. determinations on cumulative F/S fractions of 1/4" x 28 mesh	N/C or $24.00
Table 7	Washability of 1/4" x 28 mesh	No Charge
Table 8	F/S. for Clean Coal and Analysis on 1/4" x 28 mesh	50.00

TOTAL $313.00 or $337.00

Each additional component at $35.00

I trust this is satisfactory and if you have any questions, please kindly let me know.

Yours very truly,

CYCLONE ENGINEERING SALES LTD.

Per: Brian Wong

B.Y.H. Wong

BYHW/ms
Encl.

P.S. 100 Sample bags have already been sent out to your attention by "Air Canada Express and marked as "Hold for Pick Up".

CYPRUS ANVIL MINING CORPORATION

Analytical Report

for

Core Testing

PROJECT:

AREA:

DATE SAMPLED:

DATE ANALYZED:

DRILL HOLE #:

SEAM:

LAB COMPOSITE #:

CYCLONE ENGINEERING SALES LTD.

COMPOSITE NO.:

HOLE NO.:

SEAM:

T A B L E 1. COMPONENTS AND ANALYSIS

	Ash %	R.M %	V.M. %	F.C. %	B.T.U./LB.	F.S.I.
Number:						
Footage:						
Weight:						
Number:						
Footage:						
Weight:						
Number:						
Footage:						
Weight:						
Number:						
Footage:						
Weight:						
Number:						
Footage:						
Weight:						

COMPOSITE NO.:

HOLE NO.:

SEAM:

T A B L E 2. ANALYSIS OF COMPOSITE HEAD SAMPLE

Ash %	
R.M. %	
V.M. %	
F.C. %	
S. %	
B.T.U./LB.	
F.S.I.	

T A B L E 3. SIZE CONSIST OF COMPOSITE HEAD SAMPLE

Size	Wt. %
1/4" x 28 M.	
28 M. x 0	
Total	100.00

T A B L E 4. ANALYSIS OF SIZE FRACTIONS

	1/4" x 28 M.	28 M. x 0	Total
Ash %			
R.M. %			
V.M. %			
F.C. %			
B.T.U./LB.			
F.S.I.			

COMPOSITE NO.:

HOLE NO.:

SEAM:

T A B L E 5. FLOAT-SINK AND ANALYSIS OF 1/4" x 28 MESH (Fractional Basis)

Sp. Gr.	Wt. %	R.M. %	Ash %	B.T.U./lb.
- 1.30				
1.30 - 1.40				
1.40 - 1.60				
1.60 - 1.80				
+ 1.80				
TOTAL				

T A B L E 6. FLOAT-SINK AND ANALYSIS OF 1/4" x 28 MESH (Cumulative Basis)

Sp. Gr.	Wt. %	R.M. %	Ash %	B.T.U./lb.	F.S.I.
- 1.30					
- 1.40					
- 1.60					
- 1.80					
TOTAL					

COMPOSITE NO.:

HOLE NO.:

SEAM:

T A B L E 7. WASHABILITY FOR 1/4" x 28 MESH FRACTION

Sp. Gr.	Fractional		Cumulative			
			Floats		Sinks	
	Wt. %	Ash %	Wt. %	Ash %	Wt. %	Ash %
- 1.30						
1.30 - 1.40						
1.40 - 1.60						
1.60 - 1.80						
+ 1.80						
Total						

COMPOSITE NO.:

HOLE NO.:

SEAM:

T A B L E 8. FLOAT-SINK OF 1/4" x 28 MESH FOR 8% ASH IN FLOATS

Specific Gravity:

Yield of Floats:

Analysis of Floats:

Ash %

R.M. %

V.M. %

F.C. %

S. %

B.T.U./Lb.

F.S.I.

Analysis of Sinks:

Ash %

R.M. %

CYPRUS ANVIL MINING CORPORATION

CORE TESTING FOR CARMACKS PROJECT

- Component #1
  - Airdry
  - Weight
  - Crush to - 1/4"
  - Split
    - Proximate
    - F.S.I.
    - B.T.U.
- Component #2
  - Airdry
  - Weight
  - Cursh to - 1/4"
  - Split
    - Proximate
    - F.S.I.
    - B.T.U.
- Component #3
  - Airdry
  - Weight
  - Crush to - 1/4"
  - Split
    - Proximate
    - F.S.I.
    - B.T.U.
- Component #4
  - Airdry
  - Weight
  - Crush to - 1/4"
  - Split
    - Proximate
    - F.S.I.
    - B.T.U.
- Component #5
  - Airdry
  - Weight
  - Crush to - 1/4"
  - Split
    - Proximate
    - F.S.I.
    - B.T.U.

COMPOSITE

Split

Retains

Split

Head Analysis
Prox., F.S.I., S., B.T.U.

SCREEN AT 28 MESH

1/4" x 28 Mesh

Split

Float Sink at
1.30
1.40
1.60
1.80

Ash, B.T.U., R.M. on Fractions

(F.S.I. if needed)

Determine
Sp. Gr. "X"
For 8% Ash

Cut at Sp. Gr. "X"

Clean Coal

Yield
Proximate
F.S.I.
Sulphur
B.T.U.

Reject

Yield
Ash
R.M.

Head Analysis

Proximate
F.S.I.
B.T.U.

28 Mesh x 0

Split

Head Analysis

Proximate
F.S.I.
B.T.U.

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Telex: 037-3793
Ref: S1-210

September 20, 1976

Mr. T.J. Adamson
Project Geologist
Cyprus Anvil Mining Corporation
330, 355 Burrard Street
Vancouver, B.C.

Dear Tom;

Enclosed please find results of analysis on Samples # C-1 and # C-2.

Please note that since the ash content in the 1/4" x 28 mesh of # C-1 is 8.20%, therefore it is taken as the clean coal.

These two samples do not have any coking property.

I trust this is satisfactory.

Yours very truly,

CYCLONE ENGINEERING SALES LTD.

Per: B.Y.H. Wong

BYHW/ms
Encl.

CYCLONE ENGINEERING SALES LTD.

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Ref: S1-210

November 18, 1976

Mr. T.J. Adamson
Project Geologist
Cyprus Anvil Mining Corporation
330, 355 Burrard Street
Vancouver, B.C.

Dear Tom:

Enclosed please find results of proximate, F.S.I.& B.T.U. on your samples A1 to A3 inclusive.

Sample A3 shows a positive F.S.I. value of 6½ which is quite different in nature compared to A1 and A2.

We are now working on the rest of the samples and will submit the results as soon as they become available.

Yours very truly,

CYCLONE ENGINEERING SALES LTD.

Per: Brian Wong
B.Y.H. Wong

BYHW:sw

Encl.

CYCLONE ENGINEERING SALES LTD.

SEPARATION OF BULK MATERIALS

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Telex: 037-3793

Ref: S1-210

December 2, 1976

T. J. Adamson
Cyprus Anvil Mining Corp.
330, 335 Burrard Street
Vancouver, B. C.

Dear Tom:

Enclosed please find results of complete analysis on Composites #T2 and T4.

We apologize for taking so long to submit the results, but would like to inform you that the whole project will be completed in a few days.

If you have any questions, please kindly let me know.

Yours sincerely,

CYCLONE ENGINEERING SALES LTD.

Per: B. Y. H. Wong

B. Y. H. Wong

BYHW/ejr

Encl.

CYCLONE ENGINEERING SALES LTD.

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Edmonton, Alberta T6E 4Z5
Telephone: (403) 436-1385

Cable Address:
Cyclone, Edmonton
Telex: 037-3793

Ref: S1-210

December 3, 1976

T. J. Adamson
Cyprus Anvil Mining Corp.
330, 335 Burrard Street
Vancouver, B. C.

Dear Tom:

Enclosed please find complete results of analysis on Composite T-1.

I trust this is satisfactory.

Sincerely yours,

CYCLONE ENGINEERING SALES LTD.

Per: _____
B. Y. H. Wong

BYHW/ejr

Encl.

CYCLONE ENGINEERING SALES LTD.

SEPARATION OF BULK MATERIALS

Manufacturing, Engineering, Testing Services

9751 - 51 Avenue
Edmonton, Alberta T6E 4Z5
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Cable Address:
Cyclone, Edmonton
Telex: 037-3793

Ref: S1-210

December 8, 1976

T. J. Adamson
Cyprus Anvil Mining Corp.
330, 335 Burrard Street
Vancouver, B. C.

Dear Tom:

Enclosed please find complete results of analysis for Composites #T-3, and T-6.

We would like to bring to your attention that Composite T-6 is of higher residual moisture content. We would like to, at the end of the project, prepare a summary of all the composites for your reference. Composite T-6 does not give a clean coal at 8.0% ash when float-sunk at the specific gravities as we have discussed before. It might be possible for us to obtain such a clean coal, but since the yield will be quite low, we have taken the liberty of analyzing the -1.60 fraction and hope this will meet your satisfaction.

Please note that we are not enclosing a curve for the #T-6.

Sincerely yours,

CYCLONE ENGINEERING SALES LTD.

Per: Brian Wong

B.Y.H. Wong

BYHW/ejr

Encl.

CYCLONE ENGINEERING SALES LTD.

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Cable Address:
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Telex: 037-3793

Ref: S1-210

December 10, 1976

T. J. Adamson
Cyprus Anvil Mining Corp.
330, 335 Burrard Street
Vancouver, B. C.

Dear Tom:

Enclosed please find results of analysis on Composite #T-5.

I trust this is satisfactory.

Yours very truly,

CYCLONE ENGINEERING SALES LTD.

Per: B. Y. H. Wong

B. Y. H. Wong

BYHW/ejr

Encl.

CYCLONE ENGINEERING SALES LTD.

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Telex: 037-3793
Ref: S1-210

December 13, 1976

Mr. T.J. Adamson
Cyprus Anvil Mining Corp.
330, 335 Burrard Street
Vancouver, B.C.

Dear Tom;

Enclosed please find complete results of analysis on composite # T-7.

Please note that this sample has positive FSI values.

I trust this is satisfactory.

Yours very truly,

CYCLONE ENGINEERING SALES LTD.

Per: Brian Wong
B.Y.H. Wong

BYHW/ms
Encl.

CYCLONE ENGINEERING SALES LTD.

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Ref: S1-210

December 16, 1976

Mr. T.J. Adamson
Cyprus Anvil Mining Corp.
330, 335 Burrard Street
Vancouver, B.C.

Dear Sir;

Enclosed please find complete results of analysis for composites #T-8 and #T-9.

They both have positive FSI values.

I trust this is satisfactory.

Yours very truly,

CYCLONE ENGINEERING SALES LTD.

Per: Brian Wong

B.Y.H. Wong

BYHW/ms
Encl.

CYCLONE ENGINEERING SALES LTD.

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Ref: S1-210

Mr. T.J. Adamson
Cyprus Anvil Mining Corp.
330, 335 Burrard Street
Vancouver, B.C.

Dear Sir:

Enclosed please find complete results of analysis for composite number T10 .

We trust this is satisfactory.

Yours very truly,

CYCLONE ENGINEERING SALES LTD.

Per: B.Y.H. Wong

BYHW:sw

Encl.

CYCLONE ENGINEERING SALES LTD.

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Telex: 037-3793

Ref: S1-210

December 20, 1976

Mr. T.J. Adamson
Cyprus Anvil Mining Corp.
330, 335 Burrard Street
Vancouver, B.C.

Dear Tom:

Enclosed please find complete results of analysis on composite #T-11.

This completes all the analytical requirements on the coal samples from your Caramack project. During the analyses, we noticed the change of characteristics of the coal and would like to submit a summary at a later date for your reference.

We appreciated the opportunity to work for Cyprus Anvil Mining Corp. and trust that all the analyses will meet your satisfaction.

Yours very truly,

CYCLONE ENGINEERING SALES LTD.

Per: Brian Wong
B.Y.H. Wong

BYHW/ms
Encl.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-41

Footage: 22-36

Composite No.: R25

RECOVERY AT 1.80 SP. GR. %	52.51

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	24.26	26.81
R.M. %	9.50	--
V.M. %	25.63	28.32
F.C. %	40.61	44.87
CALORIFIC VALUE (BTU/lb.)	7,800	8,620
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.45	0.50

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION SI-240

PROJECT: Carmacks

Hole #: C77-41

Footage: 22-27

Sample No.: C-106

RECOVERY AT 1.80 SP. GR. % 35.27

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	25.65	28.46	
R.M. %	9.87	--	
V.M. %	27.02	29.98	39.87
F.C. %	37.46	41.56	60.13
CALORIFIC VALUE (BTU/lb.)	7,120	7,900	
FREE SWELLING INDEX	NA	--	
SULFUR %	0.42	0.47	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-41

Footage: 27-32

Sample No.: C-107

RECOVERY AT 1.80 SP. GR. % 56.65

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	24.07	26.42	
R.M. %	8.91	--	
V.M. %	26.35	28.93	37.39
F.C. %	40.67	44.65	62.61
CALORIFIC VALUE (BTU/lb.)	7,970	8,750	
FREE SWELLING INDEX	NA	--	
SULFUR %	0.45	0.49	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-41

Footage: 32-36

Sample No.: C-108

RECOVERY AT 1.80 SP. GR. % 68.26

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	22.12	24.33
R.M. %	9.10	--
V.M. %	28.82	31.71
F.C. %	39.96	43.96
CALORIFIC VALUE (BTU/lb.)	7,730	8,500
FREE SWELLING INDEX	NA	--
SULFUR %	0.43	0.47

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks Composites

Hole #: C-77-39

Footage: 178-183

Composite No.: R21 Duplicate Analysis

RECOVERY AT 1.80 SP. GR. %	73.18

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	18.52	19.19
R.M. %	3.49	--
V.M. %	32.82	34.01
F.C. %	45.17	46.80
CALORIFIC VALUE (BTU/lb.)	10,950	11,350
FREE SWELLING INDEX	1	--
SULFUR %	0.29	0.30

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

SI-240

PROJECT: Carmacks

Hole #: C77-39

Footage: 178-183

Sample No.: C-95

RECOVERY AT 1.80 SP. GR. % 73.02

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	18.26	18.93	
R.M. %	3.55	--	
V.M. %	32.78	33.99	40.75
F.C. %	45.41	47.08	59.25
CALORIFIC VALUE (BTU/lb.)	10,800	11,200	
FREE SWELLING INDEX	1	--	
SULFUR %	0.29	0.30	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-39

Footage: 266-286

Composite No.: R22

RECOVERY AT 1.80 SP. GR. %	75.14

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	12.38	12.86
R.M. %	3.71	--
V.M. %	30.12	31.28
F.C. %	53.79	55.86
CALORIFIC VALUE (BTU/lb.)	12,010	12,470
FREE SWELLING INDEX	1 1/2	--
SULFUR %	0.37	0.38

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-39

Footage: 266-271

Sample No.: C-96

RECOVERY AT 1.80 SP. GR. % 78.36

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	13.30	13.86	
R.M. %	4.06	--	
V.M. %	30.62	31.92	36.16
F.C. %	52.02	54.22	63.84
CALORIFIC VALUE (BTU/lb.)	11,760	12,260	
FREE SWELLING INDEX	1/2	--	
SULFUR %	0.27	0.28	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

SI-240

PROJECT: Carmacks

Hole #: C77-39

Footage: 271-276

Sample No.: C-97

RECOVERY AT 1.80 SP. GR. % 74.59

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	11.71	12.09	
R.M. %	3.18	--	
V.M. %	31.00	32.02	35.63
F.C. %	54.11	55.89	64.37
CALORIFIC VALUE (BTU/lb.)	12,300	12,700	
FREE SWELLING INDEX	1	--	
SULFUR %	0.36	0.37	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-39

Footage: 276-281

Sample No.: C-98

RECOVERY AT 1.80 SP. GR. % 76.16

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	13.19	13.91	
R.M. %	5.15	--	
V.M. %	30.67	32.34	36.61
F.C. %	50.99	53.75	63.39
CALORIFIC VALUE (BTU/lb.)	11,580	12,210	
FREE SWELLING INDEX	1/2	--	
SULFUR %	0.53	0.56	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-39

Footage: 281-286

Sample No.: C-99

RECOVERY AT 1.80 SP. GR. % 81.12

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	12.23	12.78	
R.M. %	4.28	--	
V.M. %	29.54	30.86	34.47
F.C. %	53.95	56.36	65.53
CALORIFIC VALUE (BTU/lb.)	11,940	12,470	
FREE SWELLING INDEX	1 1/2	--	
SULFUR %	0.55	0.57	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-39

Footage: 292-311

Composite No.: R23

RECOVERY AT 1.80 SP. GR. %	72.14

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	12.96	13.47
R.M. %	3.77	--
V.M. %	30.74	31.94
F.C. %	52.53	54.59
CALORIFIC VALUE (BTU/lb.)	11,750	12,210
FREE SWELLING INDEX	1/2	--
SULFUR %	0.37	0.38

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole No.: C77-39

Footage: 292 - 311

Composite No.: R23 (Repeated)

RECOVERY at 1.80 SP.GR., %

PROXIMATE ANALYSIS

	Air-dry basis	Dry Basis
Ash %	12.76	13.24
R.M. %	3.62	--
V.M. %	30.10	31.23
F.C. %	53.52	55.53
CALORIFIC VALUE (BTU/lb.)	N/A	N/A
FREE SWELLING INDEX	N/A	N/A
SULPHUR %	N/A	N/A

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-39

Footage: 292-296

Sample No.: C-100

RECOVERY AT 1.80 SP. GR. % 82.33

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	16.29	17.00	
R.M. %	4.15	--	
V.M. %	27.55	28.74	33.39
F.C. %	52.01	54.26	66.61
CALORIFIC VALUE (BTU/lb.)	11,180	11,660	
FREE SWELLING INDEX	1/2	--	
SULFUR %	0.55	0.57	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-39

Footage: 296-302

Sample No.: C-101

RECOVERY AT 1.80 SP. GR. % 79.72

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	9.74	10.07	
R.M. %	3.30	--	
V.M. %	30.71	31.76	34.65
F.C. %	56.25	58.17	65.35
CALORIFIC VALUE (BTU/lb.)	12,640	13,070	
FREE SWELLING INDEX	1	--	
SULFUR %	0.33	0.34	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-39

Footage: 302-307

Sample No.: C-102

RECOVERY AT 1.80 SP. GR. % 70.69

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	12.49	13.18	
R.M. %	5.24	--	
V.M. %	29.15	30.76	34.55
F.C. %	53.12	56.06	65.45
CALORIFIC VALUE (BTU/lb.)	11,520	12,160	
FREE SWELLING INDEX	1/2	--	
SULFUR %	0.35	0.37	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-39

Footage: 307-311

Sample No.: C-103

RECOVERY AT 1.80 SP. GR. % 71.95

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	15.58	16.17	
R.M. %	3.66	--	
V.M. %	28.91	30.01	34.71
F.C. %	51.85	53.82	65.29
CALORIFIC VALUE (BTU/lb.)	11,800	12,250	
FREE SWELLING INDEX	1 1/2	--	
SULFUR %	0.29	0.30	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CARMACKS NORTH 1977 QUALITY DATA

○ #1 Seam?

○ #2 Seam?

① The following have characteristic high moisture, and may be correlative

Hole	Drillers Footage	Sample	Composite	Moisture	Ash	Vol.	F.C(ad)	Fc(dmmf)	S	(A.D) BTU/lb	Rr@ 1.80
C-77-23	44-49	C-73	R11	8.03	4.15	31.77	56.05	64.16	0.40	10,450	96.56
	49-54	C-74	R11	9.01	5.37	34.60	51.02	59.97	0.40	9,800	98.27
	54-58	C-75	R11	11.20	9.00	32.82	46.98	59.47	0.27	9,100	66.65
	Composite 44-58	—	R11	8.99	5.45	33.33	52.23	~~53~~	0.32	9,850	85.79
C-77-23	66-71	C-76	R12	10.08	12.30	30.45	47.17	61.66	0.45	9,160	58.26
	71-74	C-77	R12	~~12.30~~ 9.10	17.89	29.31	43.70	60.69	0.53	8,740	36.43
	Composite 66-74	—	R12	9.34	14.58	29.98	46.10		049	9,090	45.92
C-77-34	21-26	C-81	R14	9.31	25.29	27.72	37.68	59.54	0.30	7,030	64.12
	26-31	C-82	R14	11.42	17.63	32.00	38.95	56.09	0.34	8,090	44.95
	Composite 21-31	—	R14	9.64	22.55	29.81	38.00		0.30	7,620	
C-77-34	33-38	C-83	R15	10.95	22.68	28.46	37.91	58.84	0.43	7,720	64.76
	38-43	C-84	R15	8.97	13.91	30.05	47.07	62.02	0.37	9,400	69.78
	43-48	C-85	R15	9.68	25.56	26.62	38.14	60.90	0.29	7,500	63.07
	48-51	~~C-86~~	R15	8.70	10.69	31.68	48.93	61.44	0.36	9,780	89.86
	Composite 33-51	—	R15	9.04	15.95	~~31.37~~ 30.62	44.39		0.36	9,060	67.67
? C-77-34	71-77	C-87	~~R16~~	9.41	16.61	29.55	44.43	61.26	0.40	8,890	77.76
C-77-41	22-27	C-106	R25	9.87	25.65	27.02	37.46	60.13	0.42	7,120	35.27
	27-32	C-107	R25	8.91	24.07	26.35	40.67	62.61	0.45	7,970	56.65
	32-36	C-108	R25	11.00	22.12	18.17	39.96	61.50	0.43	7,730	68.26
	Composite 22-36	—	R25	9.50	24.26	25.63	40.61		0.45	7,800	52.51

Moisture	Max 11.42	Min 8.03	Average 9.71

② the following have a moderate moisture value, which may ~~x~~ may not be distinctive.

Hole	Footage	Sample	Composite	Moist.	Ash	V.M.	Fc(ad)	Fc (dmmf)	S	BTU/lb.
C-77-35	203-208	C-91	R-19	~~7.23~~	5.54	~~23.48~~	~~63.75~~	~~73.61~~ (!)	0.54	12,100
	208-213	C-92	R-19	5.57	4.50	30.47	59.46	66.48	0.39	12,360
	Composite 203-213	—	R-19	6.03	5.65 (?)	28.38	59.94		0.37	12,170
C-77-38	189-194	C-93	R-20	6.13	13.83	29.32	50.72	64.37	0.42	11,220
	194-196	C-94	R-20	5.79	16.02	29.10	49.19	64.03	0.26	10,250
	Composite 189-196	—	R-20	~~6.03~~ 5.83	15.02	29.20	49.95		0.29	10,960

Moisture (Note - R-20 has higher ash & lower B.T.U.) Max 7.24 Min 5.57 Average 6.18

③ This sample has distinctly low Fc (dmmf) and MAY correlate with seam 3R (Composite T-3)

C-77-35	46-53	C-90		7.34	20.37	35.79	36.50	51.71	0.29	8,360

~~① The test, for the time being, may be assumed to be main seam.~~

④. The Following have characteristic high ash, and may be correlative.

Hole	Driller Footage	Sample#	Composite#	Moisture	Ash	Vol.	F.C(%d)	F.C(dmmf)	S	Raw BTU/lb	R% @1.8
C-77-22	30-35	C-66	R8	4.78	21.76	32.75	40.71	56.81	0.20	8,810	68.28
	35-44	C-67	R8	4.40	19.99	29.97	45.64	61.73	0.23	10,320	66.12
	47-52	C-68	R8	3.40	20.11	30.87	45.62	61.03	0.41	10,820	51.03
	52-57	C-69	R8	2.93	20.24	28.96	47.87	63.78	0.51	10,870	60.08
	30-57	—	R8	3.94	20.12	29.84	46.10	62.09	0.26	10,330	65.93
C-77-23	105-110	C-72	*R10	4.31	19.45	29.61	46.63	62.48	0.17	10,610	60.05
C-77-34	168-174	C-88	R17	3.17	20.99	25.81	50.03	67.57	0.36	10,770	80.05
	174-179	C-89	R17	2.78	19.46	29.50	48.26	63.40	0.28	10,930	48.23
	168-179	—	R17	2.86	19.97	27.55	49.62		0.30	10,870	62.61

MAIN SEAM? (Possibly also Footwall Seam!)

* one-component composites

Hole	Driller's Footage	Sample	Composite	Moisture	Ash	Volatiles	F.C (d)	F.C (dmmf)	S	Raw BTU/lb.	R%@1.8
C-77-16	209-214	C-50	R1	4.42	9.45	30.76	55.37	64.95	0.39	12,370	65.52 ✓
	215-223	C-51	R1	4.23	11.51	30.53	53.73	64.53	0.24	12,040	64.53
		—	R1	4.14	9.92	30.75	55.19	~~64.57~~ 64.91	0.38	12,300	66.37
C-77-16	230-236	C-52	R2	5.82	8.38	26.66	59.14	69.58	0.40	12,210	92.64
	237-243	C-53	R2	3.90	12.30	26.39	57.41	69.40	0.26	11,890	90.89
		—	R2	4.08	10.12	26.78	59.02	69.53	0.30	12,220	90.90
C-77-18	237-241	C-54	* R3	3.78	13.45	32.84	49.93	61.22	0.44	12,100	65.33
C-77-18	263-271	C-55	* R4	3.16	16.73	30.38	49.73	63.24	0.44	11,510	68.25
C-77-19	107-112	C-56	R5	3.52	5.68	31.74	59.06	65.45	0.32	13,090	84.46
	112-117	C-57	R5	3.21	9.06	31.09	56.64	65.15	0.21	12,550	87.86
	117-124	C-58	R5	3.19	8.42	29.71	58.68	66.95	0.21	12,580	87.94
		—	R5	3.24	7.02	30.92	58.82	66.01	0.23	12,910	85.05
C-77-20	239-244	C-59	R6	3.27	7.87	32.62	56.24	63.87	0.54	13,050	80.09
	244-250	C-60	R6	3.33	9.54	28.24	58.89	68.26	0.28	12,460	86.40
	250-253	C-61	R6	4.24	12.91	28.66	54.19	66.31	0.31	11,750	75.46
		—	R6	3.15	9.29	29.56	58.00	66.92	0.43	12,680	78.63
C-77-20	308-310	C-62	R7	3.20	9.30	28.69	58.81	67.87	0.33	12,460	88.93
	310-314	C-63	R7	3.50	8.49	33.09	54.92	62.94	0.24	12,480	84.78
	314-319	C-64	R7	3.99	10.90	30.43	54.68	64.97	0.24	12,240	85.12
	319-324	C-65	R7	2.88	9.24	28.17	59.71	68.58	0.24	12,280	84.54
		—	R7	3.00	9.19	31.63	56.18	64.59	0.29	12,420	84.94.
~~C-77-22~~	~~30-35~~	~~C-66~~	~~R8~~	~~4.78~~	~~21.76~~	~~32.75~~	~~40.71~~	~~56.81~~	~~0.20~~	~~8,810~~	~~68.28~~
See R17	~~35-44~~	~~C-67~~	~~R8~~	~~4.40~~	~~19.99~~	~~29.97~~	~~45.64~~	~~61.73~~	~~0.23~~	~~10,320~~	~~66.12~~
R22	~~47-52~~	~~C-68~~	~~R8~~	~~3.40~~	~~20.11~~	~~30.57~~	~~45.62~~	~~61.03~~	~~0.41~~	~~10,820~~	~~51.03~~
	~~52-57~~	~~C-69~~	~~R8~~	~~2.93~~	~~20.24~~	~~28.96~~	~~47.87~~	~~63.78~~	~~0.51~~	~~10,870~~	~~60.08~~
		~~—~~	~~R8~~	~~3.94~~	~~20.12~~	~~29.84~~	~~46.10~~	~~62.09~~	~~0.26~~	~~10,330~~	~~65.93~~
C-77-22	64-70	C-70	R9	3.21	12.95	29.85	53.99	65.30	0.37	11,940	50.69
	70-73	C-71	R9	3.41	13.45	31.92	51.22	62.47	0.25	11,830	69.15
		—	R9	3.29	13.10	31.73	51.88	62.90	0.28	11,930	56.12

#3 #4

MAIN and/or FOOTWALL Seams

* denotes one-component composite

Hole	Driller's Footage	Sample	Composite	Moisture	Ash	Vol	FC (ad)	FC (dmmf)	S	Raw BTU/lb.	%R @ 1.80
~~C-77-22~~	~~105-110~~	~~C-77~~	~~*R10~~	~~4.31~~	~~19.45~~	~~29.61~~	~~46.63~~	~~62.48~~	~~0.47~~	~~10,610~~	~~60.05~~
C-77-27	276-281	C-78	R13	3.54	13.66	28.51	54.29	66.57	0.48	11,860	60.46
	281-286	C-79	R13	2.88	4.67	31.19	61.26	66.65	0.50	13,490	87.24
	286-290	C-80	R13	2.68	15.81	28.95	52.56	65.61	0.41	12,050	58.11
		—	R13	2.77	9.43	30.48	57.32	65.94	0.38	12,720	66.07
~~C-77-34~~	~~168-174~~	~~C-88~~	~~R17~~	~~3.17~~	~~26.99~~	~~25.81~~	~~50.03~~	~~67.57~~	~~0.36~~	~~10,770~~	~~80.05~~
	174-179	C-89	R17	~~3.78~~	~~19.48~~	~~29.50~~	~~48.26~~	63.40	0.28	10,930	48.23
See R-8 R-10		—	R17	~~2.86~~	~~19.97~~	27.55	49.62		0.30	10,870	62.61
C-77-39	178-183	C-95	*R21	3.55	18.26	32.78	45.41	59.35 73R 38	0.29	10,800	73.02
C-77-39	266-271	C-96	R22	4.06	13.30	30.62	52.02	63.84	0.27	11,760	78.36
	271-276	C-97	R22	3.18	11.71	31.00	54.11	64.37	0.36	12,300	74.59
	276-281	C-98	R22	5.15	13.19	30.67	50.99	63.39	0.53	11,580	76.16
	281-286	C-99	R22	4.28	12.23	29.54	53.95	65.53	0.55	11,940	81.12
		—	R22	3.71	12.38	30.12	53.79	64.96	0.37	12,010	75.14
C-77-39	292-296	C-100	R23	4.15	16.29	27.55	52.01	66.61 ✓	0.55	11,180	82.33
	296-302	C-101	R23	3.30	9.74	30.71	56.25	65.35 ✓	0.33	12,640	79.72
	302-307	C-102	R23	5.24	12.49	29.15	53.12	65.45 ✓	0.35	11,520	70.69
	307-311	C-103	R23	3.66	15.58	28.91	51.85	65.29 ✓	0.29	11,800	71.95
		—	R23	3.77	12.96	30.74	52.53 ?	63.97	0.37	11,750	72.14
C-77-40	116-121	C-104	R24	5.18	7.24	28.62	58.96	67.90	0.49	12,200	90.19
	121-126	C-105	R24	3.47	10.06	29.92	56.55	66.10	0.34	12,500	79.81
		—	~~R24~~	4.01	8.89	29.47	57.63	67.89	0.38	12,470	82.97

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-16

Footage: 209-214, 215-223

Composite No.: R1

RECOVERY AT 1.80 SP. GR. % 66.37

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	9.92	10.35
R.M. %	4.14	--
V.M. %	30.75	32.08
F.C. %	55.19	57.57
CALORIFIC VALUE (BTU/lb.)	12,300	12,830
FREE SWELLING INDEX	2	--
SULFUR %	0.38	0.40

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

SI-240

PROJECT: Carmacks

Hole #: C77-16

Footage: 209-214

Sample No.: C-50

RECOVERY AT 1.80 SP. GR. % 65.52

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	9.45	9.89	
R.M. %	4.42	--	
V.M. %	30.76	32.18	35.05
F.C. %	55.37	57.93	64.95
CALORIFIC VALUE (BTU/lb.)	12,370	12,940	
FREE SWELLING INDEX	2	--	
SULFUR %	0.39	0.41	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C-77-16

Footage: 215-223

Sample No.: C-51

RECOVERY AT 1.80 SP. GR. % 67.59

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	11.51	12.02	
R.M. %	4.23	--	
V.M. %	30.53	31.88	35.47
F.C. %	53.73	56.10	64.53
CALORIFIC VALUE (BTU/lb.)	12,040	12,570	
FREE SWELLING INDEX	2	--	
SULFUR %	0.24	0.25	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-16

Footage: 230-236, 237-243

Composite No.: R2

RECOVERY AT 1.80 SP. GR. % 90.90

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	10.12	10.55
R.M. %	4.08	--
V.M. %	26.78	27.92
F.C. %	59.02	61.53
CALORIFIC VALUE (BTU/lb.)	12,220	12,740
FREE SWELLING INDEX	1/2	--
SULFUR %	0.30	0.31

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-16

Footage: 230-236

Sample No.: C-52

RECOVERY AT 1.80 SP. GR. % 92.64

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	8.38	8.90	
R.M. %	5.82	--	
V.M. %	26.66	28.31	30.42
F.C. %	59.14	62.79	69.58
CALORIFIC VALUE (BTU/lb.)	12,210	12,960	
FREE SWELLING INDEX	1/2	--	
SULFUR %	0.40	0.42	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-16

Footage: 237-243

Sample No.: C-53

RECOVERY AT 1.80 SP. GR. % 90.89

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	12.30	12.80	
R.M. %	3.90	--	
V.M. %	26.39	27.46	30.60
F.C. %	57.41	59.74	69.40
CALORIFIC VALUE (BTU/lb.)	11,890	12,370	
FREE SWELLING INDEX	2	--	
SULFUR %	0.26	0.27	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-18

Footage: 237-241

Composite No.: R3 Duplicate Analysis

RECOVERY AT 1.80 SP. GR. % 64.24

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	13.05	13.58
R.M. %	3.93	--
V.M. %	32.33	36.65
F.C. %	50.69	52.77
CALORIFIC VALUE (BTU/lb.)	11,800	12,280
FREE SWELLING INDEX	2	--
SULFUR %	0.40	0.42

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-18

Footage: 237-241

Sample No.: C-54

RECOVERY AT 1.80 SP. GR. % 65.33

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	13.45	13.98	
R.M. %	3.78	--	
V.M. %	32.84	34.13	38.78
F.C. %	49.93	51.89	61.22
CALORIFIC VALUE (BTU/lb.)	12,100	12,570	
FREE SWELLING INDEX	2	--	
SULFUR %	0.44	0.46	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-18

Footage: 263-271

Composite No.: R4 Duplicate Analysis

RECOVERY AT 1.80 SP. GR. % 67.57

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	16.26	16.74
R.M. %	2.90	--
V.M. %	31.17	32.10
F.C. %	49.67	51.16
CALORIFIC VALUE (BTU/lb.)	11,410	11,750
FREE SWELLING INDEX	1	--
SULFUR %	0.30	0.31

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C-77-18

Footage: 263-271

Sample No.: C-55

RECOVERY AT 1.80 SP. GR. % 68.25

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	16.73	17.28	
R.M. %	3.16	--	
V.M. %	30.38	31.37	36.76
F.C. %	49.73	51.35	63.24
CALORIFIC VALUE (BTU/lb.)	11,510	11,890	
FREE SWELLING INDEX	1/2	--	
SULFUR %	0.44	0.45	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-19

Footage: 107-124

Composite No.: R5

RECOVERY AT 1.80 SP. GR. % 85.05

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	7.02	7.26
R.M. %	3.24	--
V.M. %	30.92	31.96
F.C. %	58.82	60.78
CALORIFIC VALUE (BTU/lb.)	12,910	13,340
FREE SWELLING INDEX	1	--
SULFUR %	0.23	0.24

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-19

Footage: 107 - 112

Sample No.: C-56

RECOVERY AT 1.80 SP. GR. % 84.46

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	5.68	5.89	
R.M. %	3.52	--	
V.M. %	31.74	32.90	34.55
F.C. %	59.06	61.21	65.45
CALORIFIC VALUE (BTU/lb.)	13,090	13,560	
FREE SWELLING INDEX	1 1/2	--	
SULFUR %	0.32	0.33	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-19

Footage: 112-117

Sample No.: C-57

RECOVERY AT 1.80 SP. GR. % 87.86

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	9.06	9.36	
R.M. %	3.21	--	
V.M. %	31.09	32.12	34.85
F.C. %	56.64	58.52	65.15
CALORIFIC VALUE (BTU/lb.)	12,550	12,960	
FREE SWELLING INDEX	1/2	--	
SULFUR %	0.21	0.22	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-19

Footage: 117-124

Sample No.: C-58

RECOVERY AT 1.80 SP. GR. % 87.94

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	8.42	8.70	
R.M. %	3.19	--	
V.M. %	29.71	30.69	33.05
F.C. %	58.68	60.61	66.95
CALORIFIC VALUE (BTU/lb.)	12,580	13,000	
FREE SWELLING INDEX	1/2	--	
SULFUR %	0.21	0.22	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-20

Footage: 239-253

Composite No.: R6

RECOVERY AT 1.80 SP. GR. % 78.63

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	9.29	9.59
R.M. %	3.15	--
V.M. %	29.56	30.52
F.C. %	58.00	59.89
CALORIFIC VALUE (BTU/lb.)	12,680	13,090
FREE SWELLING INDEX	1	--
SULFUR %	0.43	0.44

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C-77-20

Footage: 239-244

Sample No.: C-59

RECOVERY AT 1.80 SP. GR. % 80.09

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	7.87	8.14	
R.M. %	3.27	--	
V.M. %	32.62	33.72	36.13
F.C. %	56.24	58.14	63.87
CALORIFIC VALUE (BTU/lb.)	13,050	13,490	
FREE SWELLING INDEX	1	--	
SULFUR %	0.54	0.56	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-20

Footage: 244-250

Sample No.: C-60

RECOVERY AT 1.80 SP. GR. % 86.40

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	9.54	9.87	
R.M. %	3.33	--	
V.M. %	28.24	29.21	31.74
F.C. %	58.89	60.92	68.26
CALORIFIC VALUE (BTU/lb.)	12,460	12,890	
FREE SWELLING INDEX	1 1/2	--	
SULFUR %	0.28	0.29	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-20

Footage: 250-253

Sample No.: C-61

RECOVERY AT 1.80 SP. GR. % 75.46

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	12.91	13.48	
R.M. %	4.24	--	
V.M. %	28.66	29.93	33.69
F.C. %	54.19	56.59	66.31
CALORIFIC VALUE (BTU/lb.)	11,750	12,270	
FREE SWELLING INDEX	1/2	--	
SULFUR %	0.31	0.32	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-20

Footage: 308-324

Composite No.: R7

RECOVERY AT 1.80 SP. GR. % 84.94

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	9.19	9.47
R.M. %	3.00	--
V.M. %	31.63	32.61
F.C. %	56.18	57.92
CALORIFIC VALUE (BTU/lb.)	12,420	12,800
FREE SWELLING INDEX	1 1/2	--
SULFUR %	0.29	0.30

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-20

Footage: 308-310

Sample No.: C-62

RECOVERY AT 1.80 SP. GR. % 88.93

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	9.30	9.61	
R.M. %	3.20	--	
V.M. %	28.69	29.64	32.13
F.C. %	58.81	60.75	67.87
CALORIFIC VALUE (BTU/lb.)	12,460	12,870	
FREE SWELLING INDEX	1 1/2	--	
SULFUR %	0.33	0.34	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-20

Footage: 310-314

Sample No.: C-63

RECOVERY AT 1.80 SP. GR. % 84.78

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	8.49	8.80	
R.M. %	3.50	--	
V.M. %	33.09	34.29	37.06
F.C. %	54.92	56.91	62.94
CALORIFIC VALUE (BTU/lb.)	12,480	12,930	
FREE SWELLING INDEX	1 1/2	--	
SULFUR %	0.24	0.25	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-20

Footage: 314-319

Sample No.: C-64

RECOVERY AT 1.80 SP. GR. % 85.12

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	10.90	11.35	
R.M. %	3.99	--	
V.M. %	30.43	31.70	35.03
F.C. %	54.68	56.95	64.97
CALORIFIC VALUE (BTU/lb.)	12,240	12,750	
FREE SWELLING INDEX	2	--	
SULFUR %	0.24	0.25	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-20

Footage: 319-324

Sample No.: C-65

RECOVERY AT 1.80 SP. GR. % 84.54

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	9.24	9.51	
R.M. %	2.88	--	
V.M. %	28.17	29.01	31.42
F.C. %	59.71	61.48	68.58
CALORIFIC VALUE (BTU/lb.)	12,280	12,650	
FREE SWELLING INDEX	2	--	
SULFUR %	0.24	0.25	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

SI-240

PROJECT: Carmacks Composites

Hole #: C-77-22

Footage: 30-44, 47-57

Composite No.: R8

RECOVERY AT 1.80 SP. GR. %	65.93

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	20.12	20.95
R.M. %	3.94	--
V.M. %	29.84	31.06
F.C. %	46.10	47.99
CALORIFIC VALUE (BTU/lb.)	10,330	10,750
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.26	0.27

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-22

Footage: 30-35

Sample No.: C-66

RECOVERY AT 1.80 SP. GR. % 68.28

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	21.76	22.85	
R.M. %	4.78	--	
V.M. %	32.75	34.40	43.19
F.C. %	40.71	42.75	56.81
CALORIFIC VALUE (BTU/lb.)	8,810	9,250	
FREE SWELLING INDEX	N-A	--	
SULFUR %	0.20	0.21	

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EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-22

Footage: 35-44

Sample No.: C-67

RECOVERY AT 1.80 SP. GR. % 66.12

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	19.99	20.91	
R.M. %	4.40	--	
V.M. %	29.97	31.35	38.27
F.C. %	45.64	47.74	61.73
CALORIFIC VALUE (BTU/lb.)	10,320	10,790	
FREE SWELLING INDEX	NA	--	
SULFUR %	0.23	0.24	

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EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-22

Footage: 47-52

Sample No.: C-68

RECOVERY AT 1.80 SP. GR. % 51.03

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	20.11	20.82	
R.M. %	3.40	--	
V.M. %	30.87	31.96	38.97
F.C. %	45.62	47.22	61.03
CALORIFIC VALUE (BTU/lb.)	10,820	11,200	
FREE SWELLING INDEX	1	--	
SULFUR %	0.41	0.42	

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CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-22

Footage: 52-57

Sample No.: C-69

RECOVERY AT 1.80 SP. GR. % 60.08

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	20.24	20.85	
R.M. %	2.93	--	
V.M. %	28.96	29.83	36.22
F.C. %	47.87	49.32	63.78
CALORIFIC VALUE (BTU/lb.)	10,870	11,200	
FREE SWELLING INDEX	1 1/2	--	
SULFUR %	0.51	0.53	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-22

Footage: 64-73

Composite No.: R9

RECOVERY AT 1.80 SP. GR. % 56.12

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	13.10	13.55
R.M. %	3.29	--
V.M. %	31.73	32.81
F.C. %	51.88	53.64
CALORIFIC VALUE (BTU/lb.)	11,930	12,340
FREE SWELLING INDEX	1 1/2	--
SULFUR %	0.28	0.29

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-22

Footage: 64-70

Sample No.: C-70

RECOVERY AT 1.80 SP. GR. % 50.69

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	12.95	13.38	
R.M. %	3.21	--	
V.M. %	29.85	30.84	34.70
F.C. %	53.99	55.78	65.30
CALORIFIC VALUE (BTU/lb.)	11,940	12,340	
FREE SWELLING INDEX	2	--	
SULFUR %	0.37	0.38	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-22

Footage: 70-73

Sample No.: C-71

RECOVERY AT 1.80 SP. GR. % 69.15

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	13.45	13.92	
R.M. %	3.41	--	
V.M. %	31.92	33.05	37.53
F.C. %	51.22	53.03	62.47
CALORIFIC VALUE (BTU/lb.)	11,830	12,240	
FREE SWELLING INDEX	1 1/2	--	
SULFUR %	0.25	0.26	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-22

Footage: 105-110

Composite No.: R10 Duplicate Analysis

RECOVERY AT 1.80 SP. GR. % 59.01

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	20.61	21.41
R.M. %	3.75	--
V.M. %	29.66	30.82
F.C. %	45.98	47.77
CALORIFIC VALUE (BTU/lb.)	10,570	10,980
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.31	0.32

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EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-22

Footage: 105-110

Sample No.: C-72

RECOVERY AT 1.80 SP. GR. % 60.05

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	19.45	20.33	
R.M. %	4.31	--	
V.M. %	29.61	30.94	37.52
F.C. %	46.63	48.73	62.48
CALORIFIC VALUE (BTU/lb.)	10,610	11,090	
FREE SWELLING INDEX	1/2	--	
SULFUR %	0.17	0.18	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-23

Footage: 44-58

Composite No.: R11

RECOVERY AT 1.80 SP. GR. %	85.79

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	5.45	5.99
R.M. %	8.99	--
V.M. %	33.33	36.62
F.C. %	52.23	57.39
CALORIFIC VALUE (BTU/lb.)	9,850	10,820
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.32	0.35

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EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-23

Footage: 44-49

Sample No.: C-73

RECOVERY AT 1.80 SP. GR. % 96.56

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	4.15	4.51	
R.M. %	8.03	--	
V.M. %	31.77	34.54	35.84
F.C. %	56.05	60.95	64.16
CALORIFIC VALUE (BTU/lb.)	10,450	11,360	
FREE SWELLING INDEX	NA	--	
SULFUR %	0.40	0.43	

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EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-23

Footage: 49-54

Sample No.: C-74

RECOVERY AT 1.80 SP. GR. % 98.27

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	5.37	5.91	
R.M. %	9.01	--	
V.M. %	34.60	38.06	40.03
F.C. %	51.02	56.12	59.97
CALORIFIC VALUE (BTU/lb.)	9,800	10,780	
FREE SWELLING INDEX	NA	--	
SULFUR %	0.40	0.44	

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CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-23

Footage: 54-58

Sample No.: C-75

RECOVERY AT 1.80 SP. GR. % 66.65

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	9.00	10.14	
R.M. %	11.20	--	
V.M. %	32.82	36.96	40.53
F.C. %	46.98	52.90	59.47
CALORIFIC VALUE (BTU/lb.)	9,100	10,250	
FREE SWELLING INDEX	NA	--	
SULFUR %	0.27	0.30	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks Composites

Hole #: C-77-23

Footage: 66-74

Composite No.: R12

RECOVERY AT 1.80 SP. GR. % 45.92

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	14.58	16.08
R.M. %	9.34	--
V.M. %	29.98	33.07
F.C. %	46.10	50.85
CALORIFIC VALUE (BTU/lb.)	9,090	10,030
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.49	0.54

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EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-23

Footage: 66-71

Sample No.: C-76

RECOVERY AT 1.80 SP. GR. % 58.26

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	12.30	13.68	
R.M. %	10.08	--	
V.M. %	30.45	33.86	38.34
F.C. %	47.17	52.46	61.66
CALORIFIC VALUE (BTU/lb.)	9,160	10,180	
FREE SWELLING INDEX	NA	--	
SULFUR %	0.45	0.50	

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EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C-77-23

Footage: 71-74

Sample No.: C-77

RECOVERY AT 1.80 SP. GR. % 36.43

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	17.89	19.68	
R.M. %	9.10	--	
V.M. %	29.31	32.24	39.31
F.C. %	43.70	48.07	60.69
CALORIFIC VALUE (BTU/lb.)	8,740	9,610	
FREE SWELLING INDEX	NA	--	
SULFUR %	0.53	0.58	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-27

Footage: 276-290

Composite No.: R13

RECOVERY AT 1.80 SP. GR. %	66.07

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	9.43	9.70
R.M. %	2.77	--
V.M. %	30.48	31.35
F.C. %	57.32	58.95
CALORIFIC VALUE (BTU/lb.)	12,720	13,080
FREE SWELLING INDEX	1	--
SULFUR %	0.38	0.39

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-27

Footage: 276-281

Sample No.: C-78

RECOVERY AT 1.80 SP. GR. % 60.46

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	13.66	14.16	
R.M. %	3.54	--	
V.M. %	28.51	29.56	33.43
F.C. %	54.29	56.28	66.57
CALORIFIC VALUE (BTU/lb.)	11,860	12,290	
FREE SWELLING INDEX	1 1/2	--	
SULFUR %	0.48	0.50	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-27

Footage: 281-286

Sample No.: C-79

RECOVERY AT 1.80 SP. GR. % 87.24

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	4.67	4.81	
R.M. %	2.88	--	
V.M. %	31.19	32.11	33.35
F.C. %	61.26	63.08	66.65
CALORIFIC VALUE (BTU/lb.)	13,490	13,890	
FREE SWELLING INDEX	1	--	
SULFUR %	0.50	0.51	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-27

Footage: 286-290

Sample No.: C-80

RECOVERY AT 1.80 SP. GR. % 58.11

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	15.81	16.24	
R.M. %	2.68	--	
V.M. %	28.95	29.75	34.39
F.C. %	52.56	54.01	65.61
CALORIFIC VALUE (BTU/lb.)	12,050	12,380	
FREE SWELLING INDEX	1/2	--	
SULFUR %	0.41	0.42	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-34

Footage: 21-31

Composite No.: R14

RECOVERY AT 1.80 SP. GR. % 56.74

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	22.55	24.96
R.M. %	9.64	--
V.M. %	29.81	32.99
F.C. %	38.00	42.05
CALORIFIC VALUE (BTU/lb.)	7,620	8,430
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.30	0.33

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-34

Footage: 21-26

Sample No.: C-81

RECOVERY AT 1.80 SP. GR. % 64.12

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DHME
Ash %	25.29	27.89	
R.M. %	9.31	--	
V.M. %	27.72	30.56	40.46
F.C. %	37.68	41.55	59.54
CALORIFIC VALUE (BTU/lb.)	7,030	7,750	
FREE SWELLING INDEX	NA	--	
SULFUR %	0.30	0.33	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-34

Footage: 26-31

Sample No.: C-82

RECOVERY AT 1.80 SP. GR. % 44.95

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	17.63	19.90	
R.M. %	11.42	--	
V.M. %	32.00	36.13	43.91
F.C. %	38.95	43.97	56.09
CALORIFIC VALUE (BTU/lb.)	8,090	9,130	
FREE SWELLING INDEX	NA	--	
SULFUR %	0.34	0.38	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-34

Footage: 33-51

Composite No.: R15

RECOVERY AT 1.80 SP. GR. %	67.67

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	15.95	17.54
R.M. %	9.04	--
V.M. %	30.62	33.66
F.C. %	44.39	48.80
CALORIFIC VALUE (BTU/lb.)	9,060	9,960
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.36	0.40

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-34

Footage: 33-38

Sample No.: C- 83

RECOVERY AT 1.80 SP. GR. % 64.76

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	22.68	25.47	
R.M. %	10.95	--	
V.M. %	28.46	31.96	41.16
F.C. %	37.91	42.57	58.84
CALORIFIC VALUE (BTU/lb.)	7,720	8,670	
FREE SWELLING INDEX	NA	--	
SULFUR %	0.43	0.48	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C-77-34

Footage: 38-43

Sample No.: C-84

RECOVERY AT 1.80 SP. GR. % 69.78

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	13.91	15.28	
R.M. %	8.97	--	
V.M. %	30.05	33.01	37.98
F.C. %	47.07	51.71	62.02
CALORIFIC VALUE (BTU/lb.)	9,400	10,330	
FREE SWELLING INDEX	NA	--	
SULFUR %	0.37	0.41	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

SI-240

PROJECT: Carmacks

Hole #: C77-34

Footage: 43-48

Sample No.: C-85

RECOVERY AT 1.80 SP. GR. % 63.07

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	25.56	28.30	
R.M. %	9.68	--	
V.M. %	26.62	29.47	39.10
F.C. %	38.14	42.23	60.90
CALORIFIC VALUE (BTU/lb.)	7,500	8,300	
FREE SWELLING INDEX	NA	--	
SULFUR %	0.29	0.32	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-34

Footage: 48-51

Sample No.: C-86

RECOVERY AT 1.80 SP. GR. % 89.86

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	10.69	11.71	
R.M. %	8.70	--	
V.M. %	31.68	34.70	38.56
F.C. %	48.93	53.93	61.44
CALORIFIC VALUE (BTU/lb.)	9,780	10,710	
FREE SWELLING INDEX	NA	--	
SULFUR %	0.36	0.39	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-34

Footage: 71-77

Composite No.: R16 Duplicate Analysis

RECOVERY AT 1.80 SP. GR. %	76.24

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	17.02	18.85
R.M. %	9.70	--
V.M. %	29.27	32.41
F.C. %	44.01	48.74
CALORIFIC VALUE (BTU/lb.)	8,830	9,780
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.37	0.41

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-34

Footage: 71-77

Sample No.: C-87

RECOVERY AT 1.80 SP. GR. % 77.76

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	16.61	18.34	
R.M. %	9.41	--	
V.M. %	29.55	32.62	38.74
F.C. %	44.43	49.04	61.26
CALORIFIC VALUE (BTU/lb.)	8,890	9,810	
FREE SWELLING INDEX	NA	--	
SULFUR %	0.40	0.44	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-34

Footage: 168-179

Composite No.: R17

RECOVERY AT 1.80 SP. GR. %	62.61

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	19.97	20.56
R.M. %	2.86	--
V.M. %	27.55	28.36
F.C. %	49.62	51.08
CALORIFIC VALUE (BTU/lb.)	10,870	11,190
FREE SWELLING INDEX	N.A. ?	--
SULFUR %	0.30	0.31

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-34

Footage: 168-174

Sample No.: C-88

RECOVERY AT 1.80 SP. GR. % 80.05

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	20.99	21.68	
R.M. %	3.17	--	
V.M. %	25.81	26.65	32.43
F.C. %	50.03	51.67	67.57
CALORIFIC VALUE (BTU/lb.)	10,770	11,120	
FREE SWELLING INDEX	1/2	--	
SULFUR %	0.36	0.37	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-34

Footage: 174-179

Sample No.: C-89

RECOVERY AT 1.80 SP. GR. % 48.23

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	19.46	20.02	
R.M. %	2.78	--	
V.M. %	29.50	30.34	36.60
F.C. %	48.26	49.64	63.40
CALORIFIC VALUE (BTU/lb.)	10,930	11,240	
FREE SWELLING INDEX	1/2	--	
SULFUR %	0.28	0.29	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-35

Footage: 46-53

Composite No.: R18 Duplicate Analysis

RECOVERY AT 1.80 SP. GR. % 70.69

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	20.51	22.13
R.M. %	7.31	--
V.M. %	35.32	38.11
F.C. %	36.86	39.76
CALORIFIC VALUE (BTU/lb.)	8,350	9,000
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.28	0.30

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-35

Footage: 46-53

Sample No.: C-90

RECOVERY AT 1.80 SP. GR. % 70.63

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	20.37	21.75	
R.M. %	7.34	--	
V.M. %	35.79	38.21	48.29
F.C. %	36.50	38.97	51.71
CALORIFIC VALUE (BTU/lb.)	8,360	8,920	MMMF 10,781
FREE SWELLING INDEX	NA	--	
SULFUR %	0.29	0.31	

High Vol. Content
May correlate with
3 Rider (Comp. T-3)

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

SI-240

PROJECT: Carmacks Composites

Hole #: C-77-35

Footage: 203-213

Composite No.: R19

RECOVERY AT 1.80 SP. GR. %	97.08

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	5.65	6.01
R.M. %	6.03	--
V.M. %	28.38	30.20
F.C. %	59.94	63.79
CALORIFIC VALUE (BTU/lb.)	12,170	12,950
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.37	0.39

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole No.: C77-35

Footage: 203 - 208

Composite No.: C-91 (Repeated)

RECOVERY at 1.80 SP.GR., % 79.00

PROXIMATE ANALYSIS

	Air-dry basis	Dry Basis
Ash %	5.57	5.93
R.M. %	6.08	--
V.M. %	29.40	31.30
F.C. %	58.95	62.77
CALORIFIC VALUE (BTU/lb.)	11,960	12,730
FREE SWELLING INDEX	1/2	--
SULPHUR %	0.55	0.59

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-35

Footage: 203-208

Sample No.: C-91 N.B. Fixed Carbon Too High
Analysis repeated ~~F#~~ This one discarded

RECOVERY AT 1.80 SP. GR. % 97.0

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	5.54	5.97
R.M. %	7.23	--
V.M. %	23.48	25.31
F.C. %	63.75 Too High	68.72
CALORIFIC VALUE (BTU/lb.)	12,100	13,040
FREE SWELLING INDEX	1/2	--
SULFUR %	0.54	0.58

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-35

Footage: 208-213

Sample No.: C-92

RECOVERY AT 1.80 SP. GR. % 97.16

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	4.50	4.77	
R.M. %	5.57	--	
V.M. %	30.47	32.27	33.52
F.C. %	59.46	62.96	66.48
CALORIFIC VALUE (BTU/lb.)	12,360	13,100	
FREE SWELLING INDEX	NA	--	
SULFUR %	0.39	0.41	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-38

Footage: 189-196

Composite No.: R20

RECOVERY AT 1.80 SP. GR. % 67.68

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	15.02	15.95
R.M. %	5.83	--
V.M. %	29.20	31.01
F.C. %	49.95	53.04
CALORIFIC VALUE (BTU/lb.)	10,960	11,640
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.29	0.31

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-38

Footage: 189-194

Sample No.: C-93

RECOVERY AT 1.80 SP. GR. % 76.59

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	13.83	14.73	
R.M. %	6.13	--	
V.M. %	29.32	31.24	35.63
F.C. %	50.72	54.03	64.37
CALORIFIC VALUE (BTU/lb.)	11,220	11,950	
FREE SWELLING INDEX	1/2	--	
SULFUR %	0.42	0.45	

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

SI-240

PROJECT: Carmacks

Hole #: C77-38

Fcotage: 194-196

Sample No.: C-94

RECOVERY AT 1.80 SP. GR. % 71.32

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	16.02	17.00	
R.M. %	5.79	--	
V.M. %	29.10	30.89	35.97
F.C. %	49.19	52.21	64.03
CALORIFIC VALUE (BTU/lb.)	10,250	10,880	
FREE SWELLING INDEX	NA	--	
SULFUR %	0.26	0.28	

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EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-40

Footage: 116-126

Composite No.: R24

RECOVERY AT 1.80 SP. GR. %	82.97

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	8.89	9.26
R.M. %	4.01	--
V.M. %	29.47	30.70
F.C. %	57.63	60.04
CALORIFIC VALUE (BTU/lb.)	12,470	12,990
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.38	0.40

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EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-40

Footage: 116-121

Sample No.: C-104

RECOVERY AT 1.80 SP. GR. % 90.19

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMMF
Ash %	7.24	7.64	
R.M. %	5.18	--	
V.M. %	28.62	30.18	32.10
F.C. %	58.96	62.18	67.90
CALORIFIC VALUE (BTU/lb.)	12,200	12,870	
FREE SWELLING INDEX	NA	--	
SULFUR %	0.49	0.52	

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EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-40

Footage: 121-126

Sample No.: C-105

RECOVERY AT 1.80 SP. GR. % 79.81

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis	DMNF
Ash %	10.06	10.42	
R.M. %	3.47	--	
V.M. %	29.92	30.99	33.90
F.C. %	56.55	58.59	66.10
CALORIFIC VALUE (BTU/lb.)	12,500	12,950	
FREE SWELLING INDEX	1/2	--	
SULFUR %	0.34	0.35	

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CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-16

Footage: 209-214

Sample No.: C-50

RECOVERY AT 1.80 SP. GR. % 65.52

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	9.45	9.89
R.M. %	4.42	--
V.M. %	30.76	32.18
F.C. %	55.37	57.93
CALORIFIC VALUE (BTU/lb.)	12,370	12,940
FREE SWELLING INDEX	2	--
SULFUR %	0.39	0.41

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EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C-77-16

Footage: 215-223

Sample No.: C-51

RECOVERY AT 1.80 SP. GR. % 67.59

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	11.51	12.02
R.M. %	4.23	--
V.M. %	30.53	31.88
F.C. %	53.73	56.10
CALORIFIC VALUE (BTU/lb.)	12,040	12,570
FREE SWELLING INDEX	2	--
SULFUR %	0.24	0.25

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EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-16

Footage: 230-236

Sample No.: C-52

RECOVERY AT 1.80 SP. GR. % 92.64

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	8.38	8.90
R.M. %	5.82	--
V.M. %	26.66	28.31
F.C. %	59.14	62.79
CALORIFIC VALUE (BTU/lb.)	12,210	12,960
FREE SWELLING INDEX	1/2	--
SULFUR %	0.40	0.42

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-16

Footage: 237-243

Sample No.: C-53

RECOVERY AT 1.80 SP. GR. % 90.89

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	12.30	12.80
R.M. %	3.90	--
V.M. %	26.39	27.46
F.C. %	57.41	59.74
CALORIFIC VALUE (BTU/lb.)	11,890	12,370
FREE SWELLING INDEX	2	--
SULFUR %	0.26	0.27

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-18

Footage: 237-241

Sample No.: C-54

RECOVERY AT 1.80 SP. GR. % 65.33

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	13.45	13.98
R.M. %	3.78	--
V.M. %	32.84	34.13
F.C. %	49.93	51.89
CALORIFIC VALUE (BTU/lb.)	12,100	12,570
FREE SWELLING INDEX	2	--
SULFUR %	0.44	0.46

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EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C-77-18

Footage: 263-271

Sample No.: C-55

RECOVERY AT 1.80 SP. GR. % 68.25

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	16.73	17.28
R.M. %	3.16	--
V.M. %	30.38	31.37
F.C. %	49.73	51.35
CALORIFIC VALUE (BTU/lb.)	11,510	11,890
FREE SWELLING INDEX	1/2	--
SULFUR %	0.44	0.45

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EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-19

Footage: 107 - 112

Sample No.: C-56

RECOVERY AT 1.80 SP. GR. % 84.46

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	5.68	5.89
R.M. %	3.52	--
V.M. %	31.74	32.90
F.C. %	59.06	61.21
CALORIFIC VALUE (BTU/lb.)	13,090	13,560
FREE SWELLING INDEX	1 1/2	--
SULFUR %	0.32	0.33

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EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-19

Footage: 112-117

Sample No.: C-57

RECOVERY AT 1.80 SP. GR. % 87.86

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	9.06	9.36
R.M. %	3.21	--
V.M. %	31.09	32.12
F.C. %	56.64	58.52
CALORIFIC VALUE (BTU/lb.)	12,550	12,960
FREE SWELLING INDEX	1/2	--
SULFUR %	0.21	0.22

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-19

Footage: 117-124

Sample No.: C-58

RECOVERY AT 1.80 SP. GR. % 87.94

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	8.42	8.70
R.M. %	3.19	--
V.M. %	29.71	30.69
F.C. %	58.68	60.61
CALORIFIC VALUE (BTU/lb.)	12,580	13,000
FREE SWELLING INDEX	1/2	--
SULFUR %	0.21	0.22

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C-77-20

Footage: 239-244

Sample No.: C-59

RECOVERY AT 1.80 SP. GR. % 80.09

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	7.87	8.14
R.M. %	3.27	--
V.M. %	32.62	33.72
F.C. %	56.24	58.14
CALORIFIC VALUE (BTU/lb.)	13,050	13,490
FREE SWELLING INDEX	1	--
SULFUR %	0.54	0.56

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-20

Footage: 244-250

Sample No.: C-60

RECOVERY AT 1.80 SP. GR. % 86.40

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	9.54	9.87
R.M. %	3.33	--
V.M. %	28.24	29.21
F.C. %	58.89	60.92
CALORIFIC VALUE (BTU/lb.)	12,460	12,890
FREE SWELLING INDEX	1 1/2	--
SULFUR %	0.28	0.29

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-20

Footage: 250-253

Sample No.: C-61

RECOVERY AT 1.80 SP. GR. % 75.46

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	12.91	13.48
R.M. %	4.24	--
V.M. %	28.66	29.93
F.C. %	54.19	56.59
CALORIFIC VALUE (BTU/lb.)	11,750	12,270
FREE SWELLING INDEX	1/2	--
SULFUR %	0.31	0.32

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION ST-240

PROJECT: Carmacks

Hole #: C77-20

Footage: 308-310

Sample No.: C-62

RECOVERY AT 1.80 SP. GR. % 88.93

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	9.30	9.61
R.M. %	3.20	--
V.M. %	28.69	29.64
F.C. %	58.81	60.75
CALORIFIC VALUE (BTU/lb.)	12,460	12,870
FREE SWELLING INDEX	1 1/2	--
SULFUR %	0.33	0.34

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-20

Footage: 310-314

Sample No.: C-63

RECOVERY AT 1.80 SP. GR. % 84.78

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	8.49	8.80
R.M. %	3.50	--
V.M. %	33.09	34.29
F.C. %	54.92	56.91
CALORIFIC VALUE (BTU/lb.)	12,480	12,930
FREE SWELLING INDEX	1 1/2	--
SULFUR %	0.24	0.25

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION SI-240

PROJECT: Carmacks

Hole #: C77-20

Footage: 314-319

Sample No.: C-64

RECOVERY AT 1.80 SP. GR. % 85.12

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	10.90	11.35
R.M. %	3.99	--
V.M. %	30.43	31.70
F.C. %	54.68	56.95
CALORIFIC VALUE (BTU/lb.)	12,240	12,750
FREE SWELLING INDEX	2	--
SULFUR %	0.24	0.25

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-20

Footage: 319-324

Sample No.: C-65

RECOVERY AT 1.80 SP. GR. % 84.54

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	9.24	9.51
R.M. %	2.88	--
V.M. %	28.17	29.01
F.C. %	59.71	61.48
CALORIFIC VALUE (BTU/lb.)	12,280	12,650
FREE SWELLING INDEX	2	--
SULFUR %	0.24	0.25

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-22

Footage: 30-35

Sample No.: C-66

RECOVERY AT 1.80 SP. GR. % 68.28

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	21.76	22.85
R.M. %	4.78	--
V.M. %	32.75	34.40
F.C. %	40.71	42.75
CALORIFIC VALUE (BTU/lb.)	8,810	9,250
FREE SWELLING INDEX	N-A	--
SULFUR %	0.20	0.21

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-22

Footage: 35-44

Sample No.: C-67

RECOVERY AT 1.80 SP. GR. % 66.12

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	19.99	20.91
R.M. %	4.40	--
V.M. %	29.97	31.35
F.C. %	45.64	47.74
CALORIFIC VALUE (BTU/lb.)	10,320	10,790
FREE SWELLING INDEX	NA	--
SULFUR %	0.23	0.24

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-22

Footage: 47-52

Sample No.: C-68

RECOVERY AT 1.80 SP. GR. % 51.03

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	20.11	20.82
R.M. %	3.40	--
V.M. %	30.87	31.96
F.C. %	45.62	47.22
CALORIFIC VALUE (BTU/lb.)	10,820	11,200
FREE SWELLING INDEX	1	--
SULFUR %	0.41	0.42

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-22

Footage: 52-57

Sample No.: C-69

RECOVERY AT 1.80 SP. GR. % 60.08

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	20.24	20.85
R.M. %	2.93	--
V.M. %	28.96	29.83
F.C. %	47.87	49.32
CALORIFIC VALUE (BTU/lb.)	10,870	11,200
FREE SWELLING INDEX	1 1/2	--
SULFUR %	0.51	0.53

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-22

Footage: 64-70

Sample No.: C-70

RECOVERY AT 1.80 SP. GR. % 50.69

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	12.95	13.38
R.M. %	3.21	--
V.M. %	29.85	30.84
F.C. %	53.99	55.78
CALORIFIC VALUE (BTU/lb.)	11,940	12,340
FREE SWELLING INDEX	2	--
SULFUR %	0.37	0.38

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-22

Footage: 70-73

Sample No.: C-71

RECOVERY AT 1.80 SP. GR. % 69.15

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	13.45	13.92
R.M. %	3.41	--
V.M. %	31.92	33.05
F.C. %	51.22	53.03
CALORIFIC VALUE (BTU/lb.)	11,830	12,240
FREE SWELLING INDEX	1 1/2	--
SULFUR %	0.25	0.26

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-22

Footage: 105-110

Sample No.: C-72

RECOVERY AT 1.80 SP. GR. % 60.05

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	19.45	20.33
R.M. %	4.31	--
V.M. %	29.61	30.94
F.C. %	46.63	48.73
CALORIFIC VALUE (BTU/lb.)	10,610	11,090
FREE SWELLING INDEX	1/2	--
SULFUR %	0.17	0.18

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-23

Footage: 44-49

Sample No.: C-73

RECOVERY AT 1.80 SP. GR. % 96.56

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	4.15	4.51
R.M. %	8.03	--
V.M. %	31.77	34.54
F.C. %	56.05	60.95
CALORIFIC VALUE (BTU/lb.)	10,450	11,360
FREE SWELLING INDEX	NA	--
SULFUR %	0.40	0.43

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-23

Footage: 49-54

Sample No.: C-74

RECOVERY AT 1.80 SP. GR. % 98.27

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	5.37	5.91
R.M. %	9.01	--
V.M. %	34.60	38.06
F.C. %	51.02	56.12
CALORIFIC VALUE (BTU/lb.)	9,800	10,780
FREE SWELLING INDEX	NA	--
SULFUR %	0.40	0.44

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-23

Footage: 54-58

Sample No.: C-75

RECOVERY AT 1.80 SP. GR. % 66.65

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	9.00	10.14
R.M. %	11.20	--
V.M. %	32.82	36.96
F.C. %	46.98	52.90
CALORIFIC VALUE (BTU/lb.)	9,100	10,250
FREE SWELLING INDEX	NA	--
SULFUR %	0.27	0.30

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-23

Footage: 66-71

Sample No.: C-76

RECOVERY AT 1.80 SP. GR. % 58.26

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	12.30	13.68
R.M. %	10.08	--
V.M. %	30.45	33.86
F.C. %	47.17	52.46
CALORIFIC VALUE (BTU/lb.)	9,160	10,180
FREE SWELLING INDEX	NA	--
SULFUR %	0.45	0.50

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C-77-23

Footage: 71-74

Sample No.: C-77

RECOVERY AT 1.80 SP. GR. % 36.43

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	17.89	19.68
R.M. %	9.10	--
V.M. %	29.31	32.24
F.C. %	43.70	48.07
CALORIFIC VALUE (BTU/lb.)	8,740	9,610
FREE SWELLING INDEX	NA	--
SULFUR %	0.53	0.58

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-27

Footage: 276-281

Sample No.: C-78

RECOVERY AT 1.80 SP. GR. % 60.46

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	13.66	14.16
R.M. %	3.54	--
V.M. %	28.51	29.56
F.C. %	54.29	56.28
CALORIFIC VALUE (BTU/lb.)	11,860	12,290
FREE SWELLING INDEX	1 1/2	--
SULFUR %	0.48	0.50

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-27

Footage: 281-286

Sample No.: C-79

RECOVERY AT 1.80 SP. GR. % 87.24

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	4.67	4.81
R.M. %	2.88	--
V.M. %	31.19	32.11
F.C. %	61.26	63.08
CALORIFIC VALUE (BTU/lb.)	13,490	13,890
FREE SWELLING INDEX	1	--
SULFUR %	0.50	0.51

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-27

Footage: 286-290

Sample No.: C-80

RECOVERY AT 1.80 SP. GR. % 58.11

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	15.81	16.24
R.M. %	2.68	--
V.M. %	28.95	29.75
F.C. %	52.56	54.01
CALORIFIC VALUE (BTU/lb.)	12,050	12,380
FREE SWELLING INDEX	1/2	--
SULFUR %	0.41	0.42

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-34

Footage: 21-26

Sample No.: C-81

RECOVERY AT 1.80 SP. GR. % 64.12

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	25.29	27.89
R.M. %	9.31	--
V.M. %	27.72	30.56
F.C. %	37.68	41.55
CALORIFIC VALUE (BTU/lb.)	7,030	7,750
FREE SWELLING INDEX	NA	--
SULFUR %	0.30	0.33

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-34

Footage: 26-31

Sample No.: C-82

RECOVERY AT 1.80 SP. GR. % 44.95

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	17.63	19.90
R.M. %	11.42	--
V.M. %	32.00	36.13
F.C. %	38.95	43.97
CALORIFIC VALUE (BTU/lb.)	8,090	9,130
FREE SWELLING INDEX	NA	--
SULFUR %	0.34	0.38

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-34

Footage: 33-38

Sample No.: C- 83

RECOVERY AT 1.80 SP. GR. % 64.76

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	22.68	25.47
R.M. %	10.95	--
V.M. %	28.46	31.96
F.C. %	37.91	42.57
CALORIFIC VALUE (BTU/lb.)	7,720	8,670
FREE SWELLING INDEX	NA	--
SULFUR %	0.43	0.48

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C-77-34

Footage: 38-43

Sample No.: C-84

RECOVERY AT 1.80 SP. GR. % 69.78

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	13.91	15.28
R.M. %	8.97	--
V.M. %	30.05	33.01
F.C. %	47.07	51.71
CALORIFIC VALUE (BTU/lb.)	9,400	10,330
FREE SWELLING INDEX	NA	--
SULFUR %	0.37	0.41

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION SI-240

PROJECT: Carmacks

Hole #: C77-34

Footage: 43-48

Sample No.: C-85

RECOVERY AT 1.80 SP. GR. % 63.07

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	25.56	28.30
R.M. %	9.68	--
V.M. %	26.62	29.47
F.C. %	38.14	42.23
CALORIFIC VALUE (BTU/lb.)	7,500	8,300
FREE SWELLING INDEX	NA	--
SULFUR %	0.29	0.32

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-34

Footage: 48-51

Sample No.: C-86

RECOVERY AT 1.80 SP. GR. % 89.86

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	10.69	11.71
R.M. %	8.70	--
V.M. %	31.68	34.70
F.C. %	48.93	53.93
CALORIFIC VALUE (BTU/lb.)	9,780	10,710
FREE SWELLING INDEX	NA	--
SULFUR %	0.36	0.39

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION SI-240

PROJECT: Carmacks

Hole #: C77-34

Footage: 71-77

Sample No.: C-87

RECOVERY AT 1.80 SP. GR. % 77.76

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	16.61	18.34
R.M. %	9.41	--
V.M. %	29.55	32.62
F.C. %	44.43	49.04
CALORIFIC VALUE (BTU/lb.)	8,890	9,810
FREE SWELLING INDEX	NA	--
SULFUR %	0.40	0.44

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-34

Footage: 168-174

Sample No.: C-88

RECOVERY AT 1.80 SP. GR. % 80.05

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	20.99	21.68
R.M. %	3.17	--
V.M. %	25.81	26.65
F.C. %	50.03	51.67
CALORIFIC VALUE (BTU/lb.)	10,770	11,120
FREE SWELLING INDEX	1/2	--
SULFUR %	0.36	0.37

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-34

Footage: 174-179

Sample No.: C-89

RECOVERY AT 1.80 SP. GR. % 48.23

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	19.46	20.02
R.M. %	2.78	--
V.M. %	29.50	30.34
F.C. %	48.26	49.64
CALORIFIC VALUE (BTU/lb.)	10,930	11,240
FREE SWELLING INDEX	1/2	--
SULFUR %	0.28	0.29

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-35

Footage: 46-53

Sample No.: C-90

RECOVERY AT 1.80 SP. GR. % 70.63

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	20.37	21.75
R.M. %	7.34	--
V.M. %	35.79	38.21
F.C. %	36.50	38.97
CALORIFIC VALUE (BTU/lb.)	8,360	8,920
FREE SWELLING INDEX	NA	--
SULFUR %	0.29	0.31

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-35

Footage: 203-208

Sample No.: C-91

RECOVERY AT 1.80 SP. GR. % 97.0

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	5.54	5.97
R.M. %	7.23	--
V.M. %	23.48	25.31
F.C. %	63.75	68.72
CALORIFIC VALUE (BTU/lb.)	12,100	13,040
FREE SWELLING INDEX	1/2	--
SULFUR %	0.54	0.58

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole No.: C77-35

Footage: 203 - 208

Composite No.: C-91 (Repeated)

RECOVERY at 1.80 SP.GR., %

PROXIMATE ANALYSIS

	Air-dry basis	Dry Basis
Ash %	5.57	5.93
R.M. %	6.08	--
V.M. %	29.40	31.30
F.C. %	58.95	62.77
CALORIFIC VALUE (BTU/lb.)	11,960	12,730
FREE SWELLING INDEX	1/2	--
SULPHUR %	0.55	0.59

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA

CYPRUS ANVIL MINING CORPORATION

SI-240

PROJECT: Carmacks

Hole #: C77-35

Footage: 208-213

Sample No.: C-92

RECOVERY AT 1.80 SP. GR. % 97.16

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	4.50	4.77
R.M. %	5.57	--
V.M. %	30.47	32.27
F.C. %	59.46	62.96
CALORIFIC VALUE (BTU/lb.)	12,360	13,100
FREE SWELLING INDEX	NA	--
SULFUR %	0.39	0.41

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-38

Footage: 189-194

Sample No.: C-93

RECOVERY AT 1.80 SP. GR. % 76.59

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	13.83	14.73
R.M. %	6.13	--
V.M. %	29.32	31.24
F.C. %	50.72	54.03
CALORIFIC VALUE (BTU/lb.)	11,220	11,950
FREE SWELLING INDEX	1/2	--
SULFUR %	0.42	0.45

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-38

Footage: 194-196

Sample No.: C-94

RECOVERY AT 1.80 SP. GR. % 71.32

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	16.02	17.00
R.M. %	5.79	--
V.M. %	29.10	30.89
F.C. %	49.19	52.21
CALORIFIC VALUE (BTU/lb.)	10,250	10,880
FREE SWELLING INDEX	NA	--
SULFUR %	0.26	0.28

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-39

Footage: 178-183

Sample No.: C-95

RECOVERY AT 1.80 SP. GR. % 73.02

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	18.26	18.93
R.M. %	3.55	--
V.M. %	32.78	33.99
F.C. %	45.41	47.08
CALORIFIC VALUE (BTU/lb.)	10,800	11,200
FREE SWELLING INDEX	1	--
SULFUR %	0.29	0.30

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-39

Footage: 266-271

Sample No.: C-96

RECOVERY AT 1.80 SP. GR. % 78.36

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	13.30	13.86
R.M. %	4.06	--
V.M. %	30.62	31.92
F.C. %	52.02	54.22
CALORIFIC VALUE (BTU/lb.)	11,760	12,260
FREE SWELLING INDEX	1/2	--
SULFUR %	0.27	0.28

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

SI-240

PROJECT: Carmacks

Hole #: C77-39

Footage: 271-276

Sample No.: C-97

RECOVERY AT 1.80 SP. GR. % 74.59

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	11.71	12.09
R.M. %	3.18	--
V.M. %	31.00	32.02
F.C. %	54.11	55.89
CALORIFIC VALUE (BTU/lb.)	12,300	12,700
FREE SWELLING INDEX	1	--
SULFUR %	0.36	0.37

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-39

Footage: 276-281

Sample No.: C-98

RECOVERY AT 1.80 SP. GR. % 76.16

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	13.19	13.91
R.M. %	5.15	--
V.M. %	30.67	32.34
F.C. %	50.99	53.75
CALORIFIC VALUE (BTU/lb.)	11,580	12,210
FREE SWELLING INDEX	1/2	--
SULFUR %	0.53	0.56

CYCLONE ENGINEERING SALES LTD.
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CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-39

Footage: 281-286

Sample No.: C-99

RECOVERY AT 1.80 SP. GR. % 81.12

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	12.23	12.78
R.M. %	4.28	--
V.M. %	29.54	30.86
F.C. %	53.95	56.36
CALORIFIC VALUE (BTU/lb.)	11,940	12,470
FREE SWELLING INDEX	1 1/2	--
SULFUR %	0.55	0.57

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-39

Footage: 292-296

Sample No.: C-100

RECOVERY AT 1.80 SP. GR. % 82.33

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	16.29	17.00
R.M. %	4.15	--
V.M. %	27.55	28.74
F.C. %	52.01	54.26
CALORIFIC VALUE (BTU/lb.)	11,180	11,660
FREE SWELLING INDEX	1/2	--
SULFUR %	0.55	0.57

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-39

Footage: 296-302

Sample No.: C-101

RECOVERY AT 1.80 SP. GR. % 79.72

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	9.74	10.07
R.M. %	3.30	--
V.M. %	30.71	31.76
F.C. %	56.25	58.17
CALORIFIC VALUE (BTU/lb.)	12,640	13,070
FREE SWELLING INDEX	1	--
SULFUR %	0.33	0.34

CYCLONE ENGINEERING SALES LTD.
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CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-39

Footage: 302-307

Sample No.: C-102

RECOVERY AT 1.80 SP. GR. % 70.69

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	12.49	13.18
R.M. %	5.24	--
V.M. %	29.15	30.76
F.C. %	53.12	56.06
CALORIFIC VALUE (BTU/lb.)	11,520	12,160
FREE SWELLING INDEX	1/2	--
SULFUR %	0.35	0.37

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-39

Footage: 307-311

Sample No.: C-103

RECOVERY AT 1.80 SP. GR. % 71.95

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	15.58	16.17
R.M. %	3.66	--
V.M. %	28.91	30.01
F.C. %	51.85	53.82
CALORIFIC VALUE (BTU/lb.)	11,800	12,250
FREE SWELLING INDEX	1 1/2	--
SULFUR %	0.29	0.30

CYCLONE ENGINEERING SALES LTD.
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CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-40

Footage: 116-121

Sample No.: C-104

RECOVERY AT 1.80 SP. GR. % 90.19

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	7.24	7.64
R.M. %	5.18	--
V.M. %	28.62	30.18
F.C. %	58.96	62.18
CALORIFIC VALUE (BTU/lb.)	12,200	12,870
FREE SWELLING INDEX	NA	--
SULFUR %	0.49	0.52

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-40

Footage: 121-126

Sample No.: C-105

RECOVERY AT 1.80 SP. GR. % 79.81

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	10.06	10.42
R.M. %	3.47	--
V.M. %	29.92	30.99
F.C. %	56.55	58.59
CALORIFIC VALUE (BTU/lb.)	12,500	12,950
FREE SWELLING INDEX	1/2	--
SULFUR %	0.34	0.35

CYCLONE ENGINEERING SALES LTD.
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CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-41

Footage: 22-27

Sample No.: C-106

RECOVERY AT 1.80 SP. GR. % 35.27

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	25.65	28.46
R.M. %	9.87	--
V.M. %	27.02	29.98
F.C. %	37.46	41.56
CALORIFIC VALUE (BTU/lb.)	7,120	7,900
FREE SWELLING INDEX	NA	--
SULFUR %	0.42	0.47

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-240

PROJECT: Carmacks

Hole #: C77-41

Footage: 27-32

Sample No.: C-107

RECOVERY AT 1.80 SP. GR. % 56.65

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	24.07	26.42
R.M. %	8.91	--
V.M. %	26.35	28.93
F.C. %	40.67	44.65
CALORIFIC VALUE (BTU/lb.)	7,970	8,750
FREE SWELLING INDEX	NA	--
SULFUR %	0.45	0.49

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EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks

Hole #: C77-41

Footage: 32-36

Sample No.: C-108

RECOVERY AT 1.80 SP. GR. % 68.26

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	22.12	24.85
R.M. %	11.00	--
V.M. %	18.17	22.65
F.C. %	39.96	49.79
CALORIFIC VALUE (BTU/lb.)	7,730	8,690
FREE SWELLING INDEX	NA	--
SULFUR %	0.43	0.54

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-16

Footage: 209-214, 215-223

Composite No.: R1

RECOVERY AT 1.80 SP. GR. % 66.37

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	9.92	10.35
R.M. %	4.14	--
V.M. %	30.75	32.08
F.C. %	55.19	57.57
CALORIFIC VALUE (BTU/lb.)	12,300	12,830
FREE SWELLING INDEX	2	--
SULFUR %	0.38	0.40

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-16

Footage: 230-236, 237-243

Composite No.: R2

RECOVERY AT 1.80 SP. GR. % 90.90

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	10.12	10.55
R.M. %	4.08	--
V.M. %	26.78	27.92
F.C. %	59.02	61.53
CALORIFIC VALUE (BTU/lb.)	12,220	12,740
FREE SWELLING INDEX	1/2	--
SULFUR %	0.30	0.31

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-18

Footage: 237-241

Composite No.: R3

RECOVERY AT 1.80 SP. GR. % 64.24

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	13.05	13.58
R.M. %	3.93	--
V.M. %	32.33	36.65
F.C. %	50.69	52.77
CALORIFIC VALUE (BTU/lb.)	11,800	12,280
FREE SWELLING INDEX	2	--
SULFUR %	0.40	0.42

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CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-18

Footage: 263-271

Composite No.: R4

RECOVERY AT 1.80 SP. GR. % 67.57

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	16.26	16.74
R.M. %	2.90	--
V.M. %	31.17	32.10
F.C. %	49.67	51.16
CALORIFIC VALUE (BTU/lb.)	11,410	11,750
FREE SWELLING INDEX	1	--
SULFUR %	0.30	0.31

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CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-19

Footage: 107-124

Composite No.: R5

RECOVERY AT 1.80 SP. GR. % 85.05

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	7.02	7.26
R.M. %	3.24	--
V.M. %	30.92	31.96
F.C. %	58.82	60.78
CALORIFIC VALUE (BTU/lb.)	12,910	13,340
FREE SWELLING INDEX	1	--
SULFUR %	0.23	0.24

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CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-20

Footage: 239-253

Composite No.: R6

RECOVERY AT 1.80 SP. GR. % 78.63

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	9.29	9.59
R.M. %	3.15	--
V.M. %	29.56	30.52
F.C. %	58.00	59.89
CALORIFIC VALUE (BTU/lb.)	12,680	13,090
FREE SWELLING INDEX	1	--
SULFUR %	0.43	0.44

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CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-20

Footage: 308-324

Composite No.: R7

RECOVERY AT 1.80 SP. GR. % 84.94

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	9.19	9.47
R.M. %	3.00	--
V.M. %	31.63	32.61
F.C. %	56.18	57.92
CALORIFIC VALUE (BTU/lb.)	12,420	12,800
FREE SWELLING INDEX	1 1/2	--
SULFUR %	0.29	0.30

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EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-22

Footage: 30-44, 47-57

Composite No.: R8

RECOVERY AT 1.80 SP. GR. %	65.93

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	20.12	20.95
R.M. %	3.94	--
V.M. %	29.84	31.06
F.C. %	46.10	47.99
CALORIFIC VALUE (BTU/lb.)	10,330	10,750
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.26	0.27

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CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-22

Footage: 64-73

Composite No.: R9

RECOVERY AT 1.80 SP. GR. % 56.12

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	13.10	13.55
R.M. %	3.29	--
V.M. %	31.73	32.81
F.C. %	51.88	53.64
CALORIFIC VALUE (BTU/lb.)	11,930	12,340
FREE SWELLING INDEX	1 1/2	--
SULFUR %	0.28	0.29

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CYPRUS ANVIL MINING CORPORATION

SI-240

PROJECT: Carmacks Composites

Hole #: C-77-22

Footage: 105-110

Composite No.: R10

RECOVERY AT 1.80 SP. GR. % 59.01

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	20.61	21.41
R.M. %	3.75	--
V.M. %	29.66	30.82
F.C. %	45.98	47.77
CALORIFIC VALUE (BTU/lb.)	10,570	10,980
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.31	0.32

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CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-23

Footage: 44-58

Composite No.: R11

RECOVERY AT 1.80 SP. GR. %	85.79

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	5.45	5.99
R.M. %	8.99	--
V.M. %	33.33	36.62
F.C. %	52.23	57.39
CALORIFIC VALUE (BTU/lb.)	9,850	10,820
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.32	0.35

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CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-23

Footage: 66-74

Composite No.: R12

RECOVERY AT 1.80 SP. GR. %	45.92

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	14.58	16.08
R.M. %	9.34	--
V.M. %	29.98	33.07
F.C. %	46.10	50.85
CALORIFIC VALUE (BTU/lb.)	9,090	10,030
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.49	0.54

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CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-27

Footage: 276-290

Composite No.: R13

RECOVERY AT 1.80 SP. GR. %	66.07

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	9.43	9.70
R.M. %	2.77	--
V.M. %	30.48	31.35
F.C. %	57.32	58.95
CALORIFIC VALUE (BTU/lb.)	12,720	13,080
FREE SWELLING INDEX	1	--
SULFUR %	0.38	0.39

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CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-34

Footage: 21-31

Composite No.: R14

RECOVERY AT 1.80 SP. GR. % 56.74

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	22.55	24.96
R.M. %	9.64	--
V.M. %	29.81	32.99
F.C. %	38.00	42.05
CALORIFIC VALUE (BTU/lb.)	7,620	8,430
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.30	0.33

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CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-34

Footage: 33-51

Composite No.: R15

RECOVERY AT 1.80 SP. GR. %	67.67

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	15.95	17.54
R.M. %	9.04	--
V.M. %	30.62	33.66
F.C. %	44.39	48.80
CALORIFIC VALUE (BTU/lb.)	9,060	9,960
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.36	0.40

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CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-34

Footage: 71-77

Composite No.: R16

RECOVERY AT 1.80 SP. GR. % 76.24

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	17.02	18.85
R.M. %	9.70	--
V.M. %	29.27	32.41
F.C. %	44.01	48.74
CALORIFIC VALUE (BTU/lb.)	8,830	9,780
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.37	0.41

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CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-34

Footage: 168-179

Composite No.: R17

RECOVERY AT 1.80 SP. GR. %	62.61

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	19.97	20.56
R.M. %	2.86	--
V.M. %	27.55	28.36
F.C. %	49.62	51.08
CALORIFIC VALUE (BTU/lb.)	10,870	11,190
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.30	0.31

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CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-35

Footage: 46-53

Composite No.: R18

RECOVERY AT 1.80 SP. GR. % 70.69

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	20.51	22.13
R.M. %	7.31	--
V.M. %	35.32	38.11
F.C. %	36.86	39.76
CALORIFIC VALUE (BTU/lb.)	8,350	9,000
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.28	0.30

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CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-35

Footage: 203-213

Composite No.: R19

RECOVERY AT 1.80 SP. GR. %	97.08

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	5.65	6.01
R.M. %	6.03	--
V.M. %	28.38	30.20
F.C. %	59.94	63.79
CALORIFIC VALUE (BTU/lb.)	12,170	12,950
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.37	0.39

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CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-38

Footage: 189-196

Composite No.: R20

RECOVERY AT 1.80 SP. GR. %	67.68

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	15.02	15.95
R.M. %	5.83	--
V.M. %	29.20	31.01
F.C. %	49.95	53.04
CALORIFIC VALUE (BTU/lb.)	10,960	11,640
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.29	0.31

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CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-39

Footage: 178-183

Composite No.: R21

RECOVERY AT 1.80 SP. GR. %	73.18

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	18.52	19.19
R.M. %	3.49	--
V.M. %	32.82	34.01
F.C. %	45.17	46.80
CALORIFIC VALUE (BTU/lb.)	10,950	11,350
FREE SWELLING INDEX	1	--
SULFUR %	0.29	0.30

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CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-39

Footage: 266-286

Composite No.: R22

RECOVERY AT 1.80 SP. GR. %	75.14

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	12.38	12.86
R.M. %	3.71	--
V.M. %	30.12	31.28
F.C. %	53.79	55.86
CALORIFIC VALUE (BTU/lb.)	12,010	12,470
FREE SWELLING INDEX	1 1/2	--
SULFUR %	0.37	0.38

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-39

Footage: 292-311

Composite No.: R23

RECOVERY AT 1.80 SP. GR. %	72.14

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	12.96	13.47
R.M. %	3.77	--
V.M. %	30.74	31.94
F.C. %	52.53	54.59
CALORIFIC VALUE (BTU/lb.)	11,750	12,210
FREE SWELLING INDEX	1/2	--
SULFUR %	0.37	0.38

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

SI-240

PROJECT: Carmacks Composites

Hole #: C-77-40

Footage: 116-126

Composite No.: R24

RECOVERY AT 1.80 SP. GR. %	82.97

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	8.89	9.26
R.M. %	4.01	--
V.M. %	29.47	30.70
F.C. %	57.63	60.04
CALORIFIC VALUE (BTU/lb.)	12,470	12,990
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.38	0.40

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole #: C-77-41

Footage: 22-36

Composite No.: R25

RECOVERY AT 1.80 SP. GR. % 52.51

PROXIMATE ANALYSIS

	Air-dry basis	Dry basis
Ash %	24.26	26.81
R.M. %	9.50	--
V.M. %	25.63	28.32
F.C. %	40.61	44.87
CALORIFIC VALUE (BTU/lb.)	7,800	8,620
FREE SWELLING INDEX	N.A.	--
SULFUR %	0.45	0.50

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-240

PROJECT: Carmacks Composites

Hole No.: C77-39

Footage: 292 - 311

Composite No.: R23 (Repeated)

RECOVERY at 1.80 SP.GR., %

PROXIMATE ANALYSIS

	Air-dry basis	Dry Basis
Ash %	12.76	13.24
R.M. %	3.62	--
V.M. %	30.10	31.23
F.C. %	53.52	55.53
CALORIFIC VALUE (BTU/lb.)	N/A	N/A
FREE SWELLING INDEX	N/A	N/A
SULPHUR %	N/A	N/A

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA

CYCLONE ENGINEERING SALES LTD.

SEPARATION OF BULK MATERIALS

Manufacturing, Engineering, Testing Services

9751 - 51 Avenue
Edmonton, Alberta T6E 4Z5
Telephone: (403) 436-1385

Cable Address:
Cyclone, Edmonton
Telex: 037-3793

Ref: S1-252

December 9, 1977

Cyprus Anvil Mining Corporation
330, 355 Burrard Street
Vancouver, B. C.

Attention: Mr. R. Hill

Dear Sir:

Enclosed please find results of analysis of samples PR-8, DL-1 - 3 inclusive and DL5 - 12 inclusive, all from your General Coal project.

Equilibrium Moisture values for sample PR-1 to PR-8 inclusive will be submitted when it becomes available.

Yours truly,

CYCLONE ENGINEERING SALES LTD.

Per: B. Y. H. Wong

BYHW/ejr

Encl.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: PR8

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	4.70	5.18
R.M. %	9.29	--
V.M. %	36.81	40.58
F.C. %	49.20	54.24
CALORIFIC VALUE (BTU/lb.)	10,740	11,840
SULPHUR %	0.22	0.24

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: DL-1

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	8.43	9.43
R.M. %	10.56	--
V.M. %	39.49	44.15
F.C. %	41.52	46.42
CALORIFIC VALUE (BTU/lb.)	9,040	10,110
SULPHUR %	0.40	0.45

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: DL-2

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	8.31	9.16
R.M. %	9.27	--
V.M. %	36.07	39.76
F.C. %	46.35	51.08
CALORIFIC VALUE (BTU/lb.)	9,300	10,250
SULPHUR %	0.31	0.34

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: DL-3

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	6.06	6.64
R.M. %	8.70	--
V.M. %	37.55	41.13
F.C. %	47.69	52.23
CALORIFIC VALUE (BTU/lb.)	9,950	10,900
SULPHUR %	0.46	0.50

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: DC-5

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	7.65	8.37
R.M. %	8.56	--
V.M. %	32.35	35.38
F.C. %	51.44	56.25
CALORIFIC VALUE (BTU/lb.)	10,330	11,260
SULPHUR %	0.48	0.52

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: DL-7

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	8.00	8.61
R.M. %	7.11	--
V.M. %	32.68	35.18
F.C. %	52.21	56.21
CALORIFIC VALUE (BTU/lb.)	10,550	11,360
SULPHUR %	0.60	0.65

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: DL-8

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	7.88	8.44
R.M. %	6.66	--
V.M. %	33.79	36.20
F.C. %	51.67	55.36
CALORIFIC VALUE (BTU/lb.)	10,720	11,480
SULPHUR %	0.59	0.63

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: DL-9

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	21.40	22.85
R.M. %	6.36	--
V.M. %	31.63	33.78
F.C. %	40.61	43.37
CALORIFIC VALUE (BTU/lb.)	8,580	9,160
SULPHUR %	0.59	0.63

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: DL-10

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	18.23	19.46
R.M. %	6.29	--
V.M. %	33.74	36.00
F.C. %	41.74	44.54
CALORIFIC VALUE (BTU/lb.)	8,950	9,550
SULPHUR %	0.48	0.51

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: DL-11

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	18.86	20.10
R.M. %	6.17	--
V.M. %	32.19	34.31
F.C. %	42.78	45.59
CALORIFIC VALUE (BTU/lb.)	9,040	9,630
SULPHUR %	0.41	0.44

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: DL-12

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	15.64	16.53
R.M. %	5.36	--
V.M. %	32.88	34.74
F.C. %	46.12	48.73
CALORIFIC VALUE (BTU/lb.)	9,750	10,300
SULPHUR %	0.87	0.92

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

+
CES EDM

ANVIL VCR

DEC 12/77

CYCLONE ENGINEERING
EDMONTON

ATTN BRIAN WONG

THANK YOU FOR ANALYSES OF PR-8, DL 1-3 AND DL 5-12

REGARDS
ROD HILL
CYPRUS ANVIL MINING CORP
+
CES EDM

ANVIL VCR

+
RESEARCH CGY

ANVIL VCR

DEC 12/77

ROBERTSON RESEARCH
CALGARY

ATTN P J RAUWERDA
RE   COAL PETROGRAPHY

AIR-DRY ANALYTICAL DATA FOR PR-8 AS FOLLOWS:-

ASH	4.70 PERCENT
MOISTURE	9.29 PERCENT
VOLATILES	36.81 PERCENT
FC	49.20 PERCENT
BTU/LB	10,740
S	9.22 PERCENT

CORRECTION S SHOULD BE 0.22

REGARDS
ROD HILL
CYPRUS ANVIL MINING CORP
+
RESEARCH CGY

ANVIL VCR

CYCLONE ENGINEERING SALES LTD.

SEPARATION OF BULK MATERIALS

Manufacturing, Engineering, Testing Services

9751 - 51 Avenue
Edmonton, Alberta T6E 4Z5
Telephone: (403) 436-1385

Cable Address:
Cyclone, Edmonton
Telex: 037-3793

Ref: S1-252

December 12, 1977

Cyprus Anvil Mining Corporation
330, 355 Burrard Street
Vancouver, B. C.

Attention: Mr. R. Hill

Dear Sir:

Enclosed herewith are results of analysis on Samples DM1 - DM3 inclusive from your General Coal Project.

All these samples show an extremely low recovery at 8% ash content from the +28 mesh fraction. The clean coal analysis is therefore eliminated in the reports.

Yours truly,

CYCLONE ENGINEERING SALES LTD.

Per: B. Wong

B. Y. H. Wong

BYHW/ejr

Encl.

CYPRUS ANVIL MINING CORPORATION

Analytical Report

for

Core Testing

PROJECT: General Coal Project

AREA:

DATE SAMPLED:

DATE ANALYZED:

DRILL HOLE #:

SEAM:

LAB COMPOSITE #: DM-1

COMPOSITE NO.: DM-1

HOLE NO.:

SEAM:

TABLE 1. COMPONENTS AND ANALYSIS

	Ash %	R.M %	V.M. %	F.C. %	B.T.U./LB.	F.S.I.
Number:						
Footage:	19.73	9.83	28.48	41.96	8,100	N/A
Weight:						
Number:						
Footage:						
Weight:						
Number:						
Footage:						
Weight:						
Number:						
Footage:						
Weight:						
Number:						
Footage:						
Weight:						

COMPOSITE NO.: DM-1

HOLE NO.:

SEAM:

TABLE 2. ANALYSIS OF COMPOSITE HEAD SAMPLE

Ash %	19.73
R.M. %	9.83
V.M. %	28.48
F.C. %	41.96
S. %	0.28
B.T.U./LB.	8,100
F.S.I.	N/A

TABLE 3. SIZE CONSIST OF COMPOSITE HEAD SAMPLE

Size	Wt. %
1/4" x 28 M.	71.76
28 M. x 0	28.24
Total	100.00

TABLE 4. ANALYSIS OF SIZE FRACTIONS

	1/4" x 28 M.	28 M. x 0	Total
Ash %	18.73	22.18	19.70
R.M. %	9.39	10.17	9.61
V.M. %	28.86	28.39	28.72
F.C. %	43.02	39.26	41.97
B.T.U./LB.	8,410	7,570	8,170
F.S.I.	N/A	N/A	N/A

COMPOSITE NO.: DM-1

HOLE NO.:

SEAM:

TABLE 5. FLOAT-SINK AND ANALYSIS OF 1/4" x 28 MESH (Fractional Basis)

Sp. Gr.	Wt. %	R.M. %	Ash %	B.T.U./Lb.
- 1.30	1.11	6.87	6.68	11,000
1.30 - 1.40				
1.40 - 1.60	76.82	8.78	11.87	9,730
1.60 - 1.80	13.94	8.06	29.04	7,400
+ 1.80	8.13	2.42	71.08	1,770
TOTAL	100.00	8.14	19.02	8,770

TABLE 6. FLOAT-SINK AND ANALYSIS OF 1/4" x 28 MESH (Cumulative Basis)

Sp. Gr.	Wt. %	R.M. %	Ash %	B.T.U./Lb.	F.S.I.
- 1.30	1.11	6.87	6.68	11,000	--
- 1.40					
- 1.60	77.93	8.75	11.80	9,750	--
- 1.80	91.87	8.65	14.41	9,390	--
TOTAL	100.00	8.14	19.02	8,770	--

COMPOSITE NO.: DM-1

HOLE NO.:

SEAM:

TABLE 7. WASHABILITY FOR 1/4" x 28 MESH FRACTION

Sp. Gr.	Fractional		Cumulative			
			Floats		Sinks	
	Wt. %	Ash %	Wt. %	Ash %	Wt. %	Ash %
- 1.30	1.11	6.68	1.11	6.68	100.00	19.02
1.30 - 1.40						
1.40 - 1.60	76.82	11.87	77.93	11.80	98.89	19.16
1.60 - 1.80	13.94	29.04	91.87	14.41	22.07	44.53
+ 1.80	8.13	71.08	100.00	19.02	8.13	71.08
Total	100.00	19.02				

CYPRUS ANVIL MINING CORPORATION

Analytical Report

for

Core Testing

PROJECT: General Coal Project

AREA:

DATE SAMPLED:

DATE ANALYZED:

DRILL HOLE #:

SEAM:

LAB COMPOSITE #: DM-1

COMPOSITE NO.: DM-1

HOLE NO.:

SEAM:

TABLE 1. COMPONENTS AND ANALYSIS

	Ash %	R.M %	V.M. %	F.C. %	B.T.U./LB.	F.S.I.
Number:						
Footage:	19.73	9.83	28.48	41.96	8,100	N/A
Weight:						
Number:						
Footage:						
Weight:						
Number:						
Footage:						
Weight:						
Number:						
Footage:						
Weight:						
Number:						
Footage:						
Weight:						

COMPOSITE NO.: DM-1

HOLE NO.:

SEAM:

TABLE 2. ANALYSIS OF COMPOSITE HEAD SAMPLE

Ash %	19.73
R.M. %	9.83
V.M. %	28.48
F.C. %	41.96
S. %	0.28
B.T.U./LB.	8,100
F.S.I.	N/A

TABLE 3. SIZE CONSIST OF COMPOSITE HEAD SAMPLE

Size	Wt. %
1/4" x 28 M.	71.76
28 M. x 0	28.24
Total	100.00

TABLE 4. ANALYSIS OF SIZE FRACTIONS

	1/4" x 28 M.	28 M. x 0	Total
Ash %	18.73	22.18	19.70
R.M. %	9.39	10.17	9.61
V.M. %	28.86	28.39	28.72
F.C. %	43.02	39.26	41.97
B.T.U./LB.	8,410	7,570	8,170
F.S.I.	N/A	N/A	N/A

COMPOSITE NO.: DM-1

HOLE NO.:

SEAM:

TABLE 5. FLOAT-SINK AND ANALYSIS OF 1/4" x 28 MESH (Fractional Basis)

Sp. Gr.	Wt. %	R.M. %	Ash %	B.T.U./Lb.
- 1.30 / 1.30 - 1.40	1.11	6.87	6.68	11,000
1.40 - 1.60	76.82	8.78	11.87	9,730
1.60 - 1.80	13.94	8.06	29.04	7,400
+ 1.80	8.13	2.42	71.08	1,770
TOTAL	100.00	8.14	19.02	8,770

TABLE 6. FLOAT-SINK AND ANALYSIS OF 1/4" x 28 MESH (Cumulative Basis)

Sp. Gr.	Wt. %	R.M. %	Ash %	B.T.U./Lb.	F.S.I.
- 1.30 / - 1.40	1.11	6.87	6.68	11,000	--
- 1.60	77.93	8.75	11.80	9,750	--
- 1.80	91.87	8.65	14.41	9,390	--
TOTAL	100.00	8.14	19.02	8,770	--

COMPOSITE NO.: DM-1

HOLE NO.:

SEAM:

TABLE 7. WASHABILITY FOR 1/4" x 28 MESH FRACTION

Sp. Gr.	Fractional		Cumulative			
			Floats		Sinks	
	Wt. %	Ash %	Wt. %	Ash %	Wt. %	Ash %
- 1.30	1.11	6.68	1.11	6.68	100.00	19.02
1.30 - 1.40						
1.40 - 1.60	76.82	11.87	77.93	11.80	98.89	19.16
1.60 - 1.80	13.94	29.04	91.87	14.41	22.07	44.53
+ 1.80	8.13	71.08	100.00	19.02	8.13	71.08
Total	100.00	19.02				

CYPRUS ANVIL MINING CORPORATION

Analytical Report

for

Core Testing

PROJECT: General Coal Project

AREA:

DATE SAMPLED:

DATE ANALYZED:

DRILL HOLE #:

SEAM:

LAB COMPOSITE #: DM-2

CYCLONE ENGINEERING SALES LTD

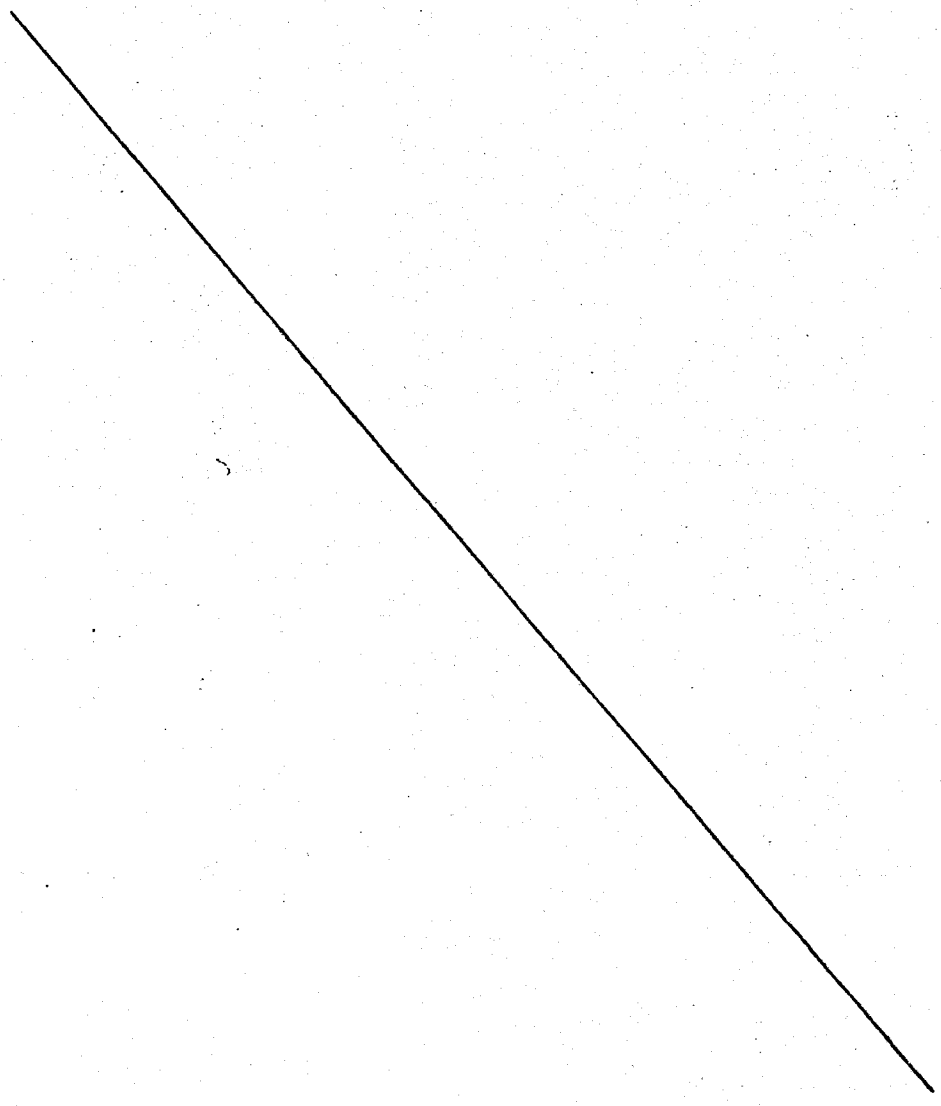
COMPOSITE NO.: DM-2

HOLE NO.:

SEAM:

TABLE 1. COMPONENTS AND ANALYSIS

	Ash %	R.M %	V.M. %	F.C. %	B.T.U./LB.	F.S.I.
Number:						
Footage:	19.54	7.97	29.96	42.53	8,500	N.A.
Weight:						
Number:						
Footage:						
Weight:						
Number:						
Footage:						
Weight:						
Number:						
Footage:						
Weight:						
Number:						
Footage:						
Weight:						



COMPOSITE NO.: DM-2

HOLE NO.:

SEAM:

TABLE 2. ANALYSIS OF COMPOSITE HEAD SAMPLE

Ash %	19.54
R.M. %	7.97
V.M. %	29.96
F.C. %	42.53
S. %	0.29
B.T.U./LB.	8,500
F.S.I.	N/A

TABLE 3. SIZE CONSIST OF COMPOSITE HEAD SAMPLE

Size	Wt. %
1/4" x 28 M.	71.10
28 M. x 0	28.90
Total	100.00

TABLE 4. ANALYSIS OF SIZE FRACTIONS

	1/4" x 28 M.	28 M. x 0	Total
Ash %	17.13	23.43	18.95
R.M. %	7.53	8.18	7.71
V.M. %	29.90	29.22	29.70
F.C. %	45.44	39.17	43.64
B.T.U./LB.	9,040	7,580	8,620
F.S.I.	N/A	N/A	N/A

COMPOSITE NO.: DM-2

HOLE NO.:

SEAM:

TABLE 5. FLOAT-SINK AND ANALYSIS OF 1/4" x 28 MESH (Fractional Basis)

Sp. Gr.	Wt. %	R.M. %	Ash %	B.T.U./Lb.
- 1.30 / 1.30 - 1.40	0.58	5.44	7.61	10,850
1.40 - 1.60	80.73	6.45	11.67	9,940
1.60 - 1.80	11.92	5.86	29.53	7,350
+ 1.80	6.77	3.37	58.38	3,170
TOTAL	100.00	6.17	16.94	9,180

TABLE 6. FLOAT-SINK AND ANALYSIS OF 1/4" x 28 MESH (Cumulative Basis)

Sp. Gr.	Wt. %	R.M. %	Ash %	B.T.U./Lb.	F.S.I.
- 1.30	--	--	--	--	--
- 1.40	0.58	5.44	7.61	10,850	--
- 1.60	81.31	6.44	11.64	9,950	--
- 1.80	93.23	6.37	13.93	9,610	--
TOTAL	100.00	6.17	16.94	9,180	--

COMPOSITE NO.: DM-2

HOLE NO.:

SEAM:

TABLE 7. WASHABILITY FOR 1/4" x 28 MESH FRACTION

Sp. Gr.	Fractional		Cumulative			
			Floats		Sinks	
	Wt. %	Ash %	Wt. %	Ash %	Wt. %	Ash %
- 1.30	0.58	7.61	0.58	7.61	100.00	16.94
1.30 - 1.40						
1.40 - 1.60	80.73	11.67	81.31	11.64	99.42	16.99
1.60 - 1.80	11.92	29.53	93.23	13.93	18.69	39.98
+ 1.80	6.77	58.38	100.00	16.94	6.77	58.38
Total	100.00	16.94				

CYPRUS ANVIL MINING CORPORATION

Analytical Report

for

Core Testing

PROJECT: General Coal Project

AREA:

DATE SAMPLED:

DATE ANALYZED:

DRILL HOLE #:

SEAM:

LAB COMPOSITE #: DM-2

COMPOSITE NO.: DM-2

HOLE NO.:

SEAM:

T A B L E 1. COMPONENTS AND ANALYSIS

	Ash %	R.M %	V.M. %	F.C. %	B.T.U./LB.	F.S.I.
Number:						
Footage:	19.54	7.97	29.96	42.53	8,500	N.A.
Weight:						

Number:

Footage:

Weight:

Number:

Footage:

Weight:

Number:

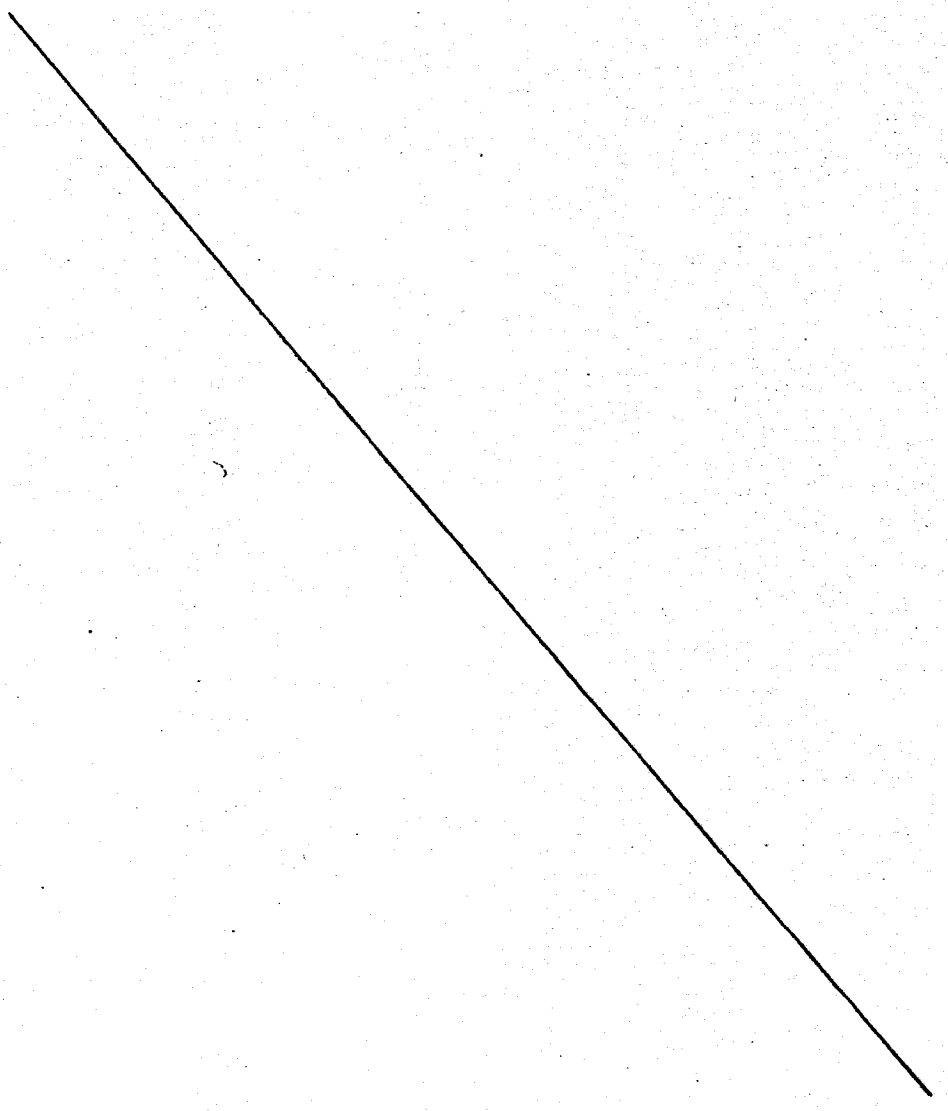
Footage:

Weight:

Number:

Footage:

Weight:



COMPOSITE NO.: DM-2

HOLE NO.:

SEAM:

TABLE 2. ANALYSIS OF COMPOSITE HEAD SAMPLE

Ash %	19.54
R.M. %	7.97
V.M. %	29.96
F.C. %	42.53
S. %	0.29
B.T.U./LB.	8,500
F.S.I.	N/A

TABLE 3. SIZE CONSIST OF COMPOSITE HEAD SAMPLE

Size	Wt. %
1/4" x 28 M.	71.10
28 M. x 0	28.90
Total	100.00

TABLE 4. ANALYSIS OF SIZE FRACTIONS

	1/4" x 28 M.	28 M. x 0	Total
Ash %	17.13	23.43	18.95
R.M. %	7.53	8.18	7.71
V.M. %	29.90	29.22	29.70
F.C. %	45.44	39.17	43.64
B.T.U./LB.	9,040	7,580	8,620
F.S.I.	N/A	N/A	N/A

COMPOSITE NO.: DM-2

HOLE NO.:

SEAM:

TABLE 5. FLOAT-SINK AND ANALYSIS OF 1/4" x 28 MESH (Fractional Basis)

Sp. Gr.	Wt. %	R.M. %	Ash %	B.T.U./Lb.
- 1.30 / 1.30 - 1.40	0.58	5.44	7.61	10,850
1.40 - 1.60	80.73	6.45	11.67	9,940
1.60 - 1.80	11.92	5.86	29.53	7,350
+ 1.80	6.77	3.37	58.38	3,170
TOTAL	100.00	6.17	16.94	9,180

TABLE 6. FLOAT-SINK AND ANALYSIS OF 1/4" x 28 MESH (Cumulative Basis)

Sp. Gr.	Wt. %	R.M. %	Ash %	B.T.U./Lb.	F.S.I.
- 1.30	--	--	--	--	--
- 1.40	0.58	5.44	7.61	10,850	--
- 1.60	81.31	6.44	11.64	9,950	--
- 1.80	93.23	6.37	13.93	9,610	--
TOTAL	100.00	6.17	16.94	9,180	--

COMPOSITE NO.: DM-2

HOLE NO.:

SEAM:

TABLE 7. WASHABILITY FOR 1/4" x 28 MESH FRACTION

Sp. Gr.	Fractional		Cumulative			
			Floats		Sinks	
	Wt. %	Ash %	Wt. %	Ash %	Wt. %	Ash %
- 1.30	0.58	7.61	0.58	7.61	100.00	16.94
1.30 - 1.40						
1.40 - 1.60	80.73	11.67	81.31	11.64	99.42	16.99
1.60 - 1.80	11.92	29.53	93.23	13.93	18.69	39.98
+ 1.80	6.77	58.38	100.00	16.94	6.77	58.38
Total	100.00	16.94				

CYPRUS ANVIL MINING CORPORATION

Analytical Report

for

Core Testing

PROJECT: General Coal Project

AREA:

DATE SAMPLED:

DATE ANALYZED:

DRILL HOLE #:

SEAM:

LAB COMPOSITE #: DM-3

COMPOSITE NO.: DM-3

HOLE NO.:

SEAM:

TABLE 1. COMPONENTS AND ANALYSIS

	Ash %	R.M %	V.M. %	F.C. %	B.T.U./LB.	F.S.I.
Number:	29.90	7.20	27.53	35.37	7,390	N.A.
Footage:						
Weight:						

Number:

Footage:

Weight:

Number:

Footage:

Weight:

Number:

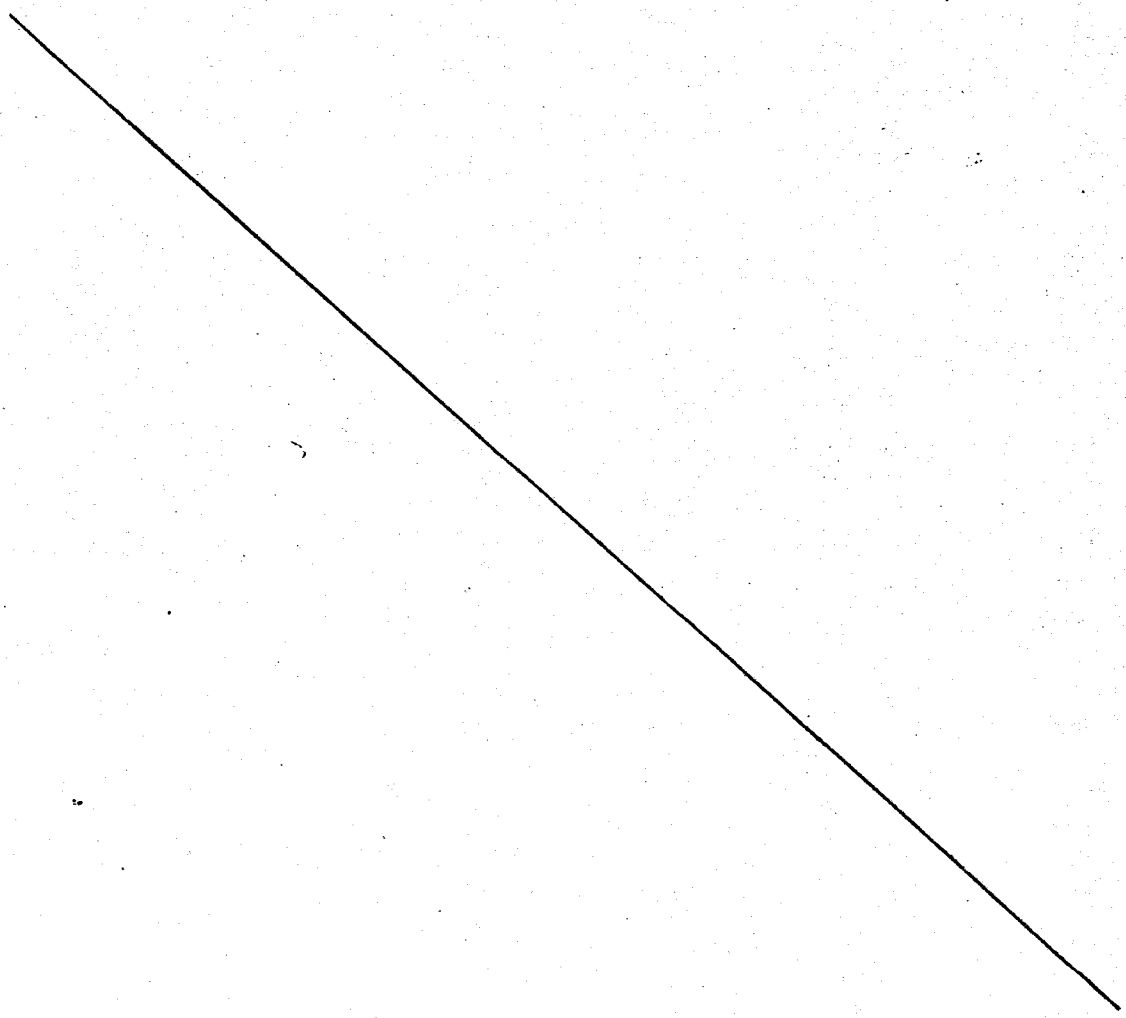
Footage:

Weight:

Number:

Footage:

Weight:



COMPOSITE NO.: DM-3

HOLE NO.:

SEAM:

TABLE 2. ANALYSIS OF COMPOSITE HEAD SAMPLE

Ash %	29.90
R.M. %	7.20
V.M. %	27.53
F.C. %	35.37
S. %	0.27
B.T.U./LB.	7,390
F.S.I.	N.A.

TABLE 3. SIZE CONSIST OF COMPOSITE HEAD SAMPLE

Size	Wt. %
1/4" x 28 M.	74.16
28 M. x 0	25.84
Total	100.00

TABLE 4. ANALYSIS OF SIZE FRACTIONS

	1/4" x 28 M.	28 M. x 0	Total
Ash %	29.13	30.93	29.60
R.M. %	6.64	8.09	7.01
V.M. %	27.86	27.45	27.75
F.C. %	36.37	33.53	35.64
B.T.U./LB.	7,440	6,820	7,280
F.S.I.	N/A	N/A	N/A

COMPOSITE NO.: DM-3

HOLE NO.:

SEAM:

TABLE 5. FLOAT-SINK AND ANALYSIS OF 1/4" x 28 MESH (Fractional Basis)

Sp. Gr.	Wt. %	R.M. %	Ash %	B.T.U./Lb.
- 1.30 / 1.30 - 1.40	2.76	5.34	9.14	10,700
1.40 - 1.60	57.43	6.01	14.33	9,670
1.60 - 1.80	20.89	4.94	33.51	6,840
+ 1.80	18.92	2.28	69.70	2,030
TOTAL	100.00	5.06	28.67	7,660

TABLE 6. FLOAT-SINK AND ANALYSIS OF 1/4" x 28 MESH (Cumulative Basis)

Sp. Gr.	Wt. %	R.M. %	Ash %	B.T.U./Lb.	F.S.I.
- 1.30	--	--	--	--	--
- 1.40	2.76	5.34	9.14	10,700	--
- 1.60	60.19	5.98	14.09	9,720	--
- 1.80	81.08	5.71	19.09	8,980	--
TOTAL	100.00	5.06	28.67	7,660	--

COMPOSITE NO.: DM-3

HOLE NO.:

SEAM:

TABLE 7. WASHABILITY FOR 1/4" x 28 MESH FRACTION

Sp. Gr.	Fractional		Cumulative			
			Floats		Sinks	
	Wt. %	Ash %	Wt. %	Ash %	Wt. %	Ash %
- 1.30	2.76	9.14	2.76	9.14	100.00	28.67
1.30 - 1.40						
1.40 - 1.60	57.43	14.33	60.19	14.09	97.24	29.22
1.60 - 1.80	20.89	33.51	81.08	19.09	39.81	50.71
+ 1.80	18.92	69.70	100.00	28.67	18.92	69.70
Total	100.00	28.67				

CYPRUS ANVIL MINING CORPORATION

SI-252

Project: General Coal Project

Sample #: PR8

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	4.70	5.18
R.M. %	9.29	--
V.M. %	36.81	40.58
F.C. %	49.20	54.24
CALORIFIC VALUE (BTU/lb.)	10,740	11,840
SULPHUR %	0.22	0.24

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION S1-252

Project: General Coal Project

Sample #: DL-1

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	8.43	9.43
R.M. %	10.56	--
V.M. %	39.49	44.15
F.C. %	41.52	46.42
CALORIFIC VALUE (BTU/lb.)	9,040	10,110
SULPHUR %	0.40	0.45

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: DL-2

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	8.31	9.16
R.M. %	9.27	--
V.M. %	36.07	39.76
F.C. %	46.35	51.08
CALORIFIC VALUE (BTU/lb.)	9,300	10,250
SULPHUR %	0.31	0.34

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: DL-3

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	6.06	6.64
R.M. %	8.70	--
V.M. %	37.55	41.13
F.C. %	47.69	52.23
CALORIFIC VALUE (BTU/lb.)	9,950	10,900
SULPHUR %	0.46	0.50

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: DC-5

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	7.65	8.37
R.M. %	8.56	--
V.M. %	32.35	35.38
F.C. %	51.44	56.25
CALORIFIC VALUE (BTU/lb.)	10,330	11,260
SULPHUR %	0.48	0.52

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: DL-7

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	8.00	8.61
R.M. %	7.11	--
V.M. %	32.68	35.18
F.C. %	52.21	56.21
CALORIFIC VALUE (BTU/lb.)	10,550	11,360
SULPHUR %	0.60	0.65

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: DL-8

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	7.88	8.44
R.M. %	6.66	--
V.M. %	33.79	36.20
F.C. %	51.67	55.36
CALORIFIC VALUE (BTU/lb.)	10,720	11,480
SULPHUR %	0.59	0.63

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: DL-9

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	21.40	22.85
R.M. %	6.36	--
V.M. %	31.63	33.78
F.C. %	40.61	43.37
CALORIFIC VALUE (BTU/lb.)	8,580	9,160
SULPHUR %	0.59	0.63

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: DL-10

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	18.23	19.46
R.M. %	6.29	--
V.M. %	33.74	36.00
F.C. %	41.74	44.54
CALORIFIC VALUE (BTU/lb.)	8,950	9,550
SULPHUR %	0.48	0.51

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

S1-252

Project: General Coal Project

Sample #: DL-11

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	18.86	20.10
R.M. %	6.17	--
V.M. %	32.19	34.31
F.C. %	42.78	45.59
CALORIFIC VALUE (BTU/lb.)	9,040	9,630
SULPHUR %	0.41	0.44

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.

CYPRUS ANVIL MINING CORPORATION

ST-252

Project: General Coal Project

Sample #: DL-12

PROXIMATE ANALYSIS

	Air-dry Basis	Dry Basis
Ash %	15.64	16.53
R.M. %	5.36	--
V.M. %	32.88	34.74
F.C. %	46.12	48.73
CALORIFIC VALUE (BTU/lb.)	9,750	10,300
SULPHUR %	0.87	0.92

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA.