



VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

823 Daughtry Props.
TELEPHONE: 988-2172
AREA CODE: 604 Daughtry
Vernon Area 823672
• Specialising in Trace Elements Analyses •

Certificate of Geochemical Analyses

—IN ACCOUNT WITH—

Kerr Addison Mines Ltd.
703 - 1112 West Pender Street
Vancouver, B. C. V6E 2S1
Attention:

Report No: 76 48 031 Page 1 of 1
Samples Arrived: Nov. 23, 1976
Report Completed: Nov. 24, 1976
For Project:
Analyst: E.T.
Invoice# 4081 Job# 76 268

Daughtry-Channel Cls.

Sample Marking	Au ppb	U ppm			
782	30	1.7	Central exposure		rock silt } Both contained gravel & sand
783	60	3.2	Western exposure		

RECEIVED
NOV 25 1976
S. LTD.

REMARKS:

PER
Signed: *[Signature]*

% Mo x 1.6683 = % MoS₂ 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million
All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

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VANGEOCHEM LAB LTD.
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BC-2 8263
 Channel el. gp.
 TELEPHONE: 988-2172
 AREA CODE: 604

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DEC 13 1976

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Kerr Addison Mines Ltd. KERR ADDISON MINES LTD
 # 703 - 1112 West Pender Street
 Vancouver, B. C. V6E 2S1

Report No: 76 48 032 Page 1 of 1

Samples Arrived: Dec. 9, 1976

Report Completed: Dec. 9, 1976

For Project:

Attention:

Daugherty Property - Vernon, BC

Analyst: S.C.

Invoice# 4091

Job# 76 275

Sample Marking	U ppb				
# 1	0.1				Water Samples
2	0.1				
# 3	0.1				

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REMARKS:

Signed: *[Signature]*

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-IN ACCOUNT WITH-

Kerr Addison Mines Ltd.,
 # 703 - 1112 West Pender Street,
 Vancouver, B. C. V6E 2S1

Attention:

Report No: 76 48 026 Page 1 of 1
 Samples Arrived: September 21, 1976
 Report Completed: September 24, 1976
 For Project:
 Analyst:
 Invoice # 3996 Job # 76-218

Sample Marking	U ppm				
SC - 1	7.6*	} scint clo. S of Beaverdell BC			silt
2	1.6*				
SC - 3	0.6*				
NO 781	0.3*		/ sample location S. of James Lake about 7 miles - 8 miles E of Rutland.		

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REMARKS: * Samples have been repeated for analysis and checked O.K.

Signed:

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GLENN E. ROUSE, PH.D.

PALYNOLOGICAL CONSULTANT

2134 WEST 53RD AVENUE, VANCOUVER, B.C. V6P 1L6
TELEPHONE 263-9088

November 4, 1977 228-3352

Mr. W. M. Sirola
Ker Addison Mines Ltd.
703-1112 W. Pender Street
VANCOUVER, B. C.

RECEIVED

NOV - 8 1977

KERR ADDISON MINES LTD.

Dear Mr. Sirola:

PER.....

In response to a request from Mr. John C. Lund, I have analyzed 3 samples of drill core sent to me for dating by Mr. K. L. Daughtry from Vernon. The results are attached herewith, together with an invoice on a separate sheet.

If you require any additional information, please don't hesitate to contact me directly. With your permission, I would like to keep the remaining portions of the core samples for future reference.

Yours truly,

Glenn E. Rouse

ger:cc

Glenn E. Rouse, Ph.D.
Palynologist

c.c. Mr. K.L. Daughtry
Box 795
VERNON, B.C.

*Note: These samples were taken from Channel #5
drill hole @ 162' (48m). Rock is a thinly
laminated organic shale.*

CS

*cc K. L. Daughtry Nov 18/77
copy sent to Mr. Laurie
Nov. 16/77*

REPORT ON PALYNOLOGIC DATING OF 3 CORE SAMPLES FOR KER ADDISON MINES

PROCEDURE:- The three samples submitted were processed for palynomorphs using a standard palynologic technique. This included dissolving the rock matrix in HF and HCL, dissolving soluble organic components with an acetolysis solution, bleaching the microfossils, staining in safranin dye, and mounting the palynomorph sediment on glass slides. Identification of palynologic specimens was accomplished using a compound microscope with magnifications of 250,600, and 1000X.

RESULTS:- Identifiable palynomorphs were recovered only from the silty coal sample at 162 ft; the other 2 samples contained fragments of wood, bark, and dispersed plant material that were largely unidentifiable, and non-applicable to dating.

The 162 ft. core yielded a reasonably large palynomorph assemblage, with over 35 species identified (see list appended). These include terrestrial pollen, fungal spores, and 2 species of algal cysts likely representing fresh-water species. Based on known ranges of palynomorphs from south-central B. C. and Arctic locales (Rouse, 1977), the assemblage from 162 ft. falls within the outside range of late Eocene - late Oligocene. The presence of *Jussiaea champlainensis*, cf. *Acanthaceae-1*, *Caprifoliipites ellipticus*, *Caprifoliipites scabratus* and *Tricolporopollenites -A*, together with the dominance of *Fagus granulatus*, *Fagus-2*, and *Juglans-1*, suggests a close correlation with early Oligocene beds in the Quesnel area (Piel 1971; Rouse 1977). These beds and their contained palynomorph assemblages are currently being updated by myself and Dr. W. H. Mathews. However many of the 162 species also occur in the upper parts of the Hat Creek coalfield, interpreted by Rouse (1977) to be late Eocene-hence the outside range of late Eocene-late Oligocene given above.

Although precise climatic interpretations cannot be defined for the 162 ft. interval, the assemblage suggests at least a warm-temperate regime, possibly sub-tropical. The general flora, with *Fagus* (beech) and *Juglans* (walnut) as dominants, appears similar to those of southeastern United States and southeastern China at the present time, ie warm-temperate to sub-tropical, and summer wet - winter dry.

It could be emphasized that the assemblage from 162 ft. reflects a decidedly coaly facies, and hence is probably a skewed reflection of the overall regional flora of the times. It is unfortunate that the other 2 samples were barren, as they almost certainly would have yielded additional palynomorphs that could have provided a more comprehensive picture of the flora and climatic regime.

Piel, K. M. 1971. Palynology of Oligocene sediments from central British Columbia. *Can. J. Botany*, 49:1885-1920.

Rouse, G. E. 1977. Paleogene palynomorph ranges in western and northern Canada. *Am. Assoc. Strat. Palynology*, 10th Anniversary Vol. (In. press+ Nov.-Dec. 1977)

APPENDIX

Palynomorph species in 162 ft.

Conifer pollen --	Tsuga minisaccata Tsuga heterophyllites Cedrus perialata Pinus spp. Picea spp.
Angiosperm pollen --	Fagus granulatus Fagus - 2 Juglans -1 Ulmus/Zelkova Pterocarya Carya veripites Carya viridifluminipites Caprifoliipites scabratus* Caprifoliipites ellipiticus* cf. Acanthaceae-1 Cupaneidites -2 Tricolporopollenites -A Myricipites -A Rhoiipites -5 Paraalnipollenites -2 Acer sp. Tricolporopollenites spp. Jussiaea champlainensis
Fungal spores --	Multicellaesporites -2 Multicellaesporites -3 Multicellaesporites -5 Diporisporites -1 Diporisporites -6 Dicellaesporites -3 Dicellaesporites rugosus* Helicaspora -1* Pluricellaesporites -3 Granatisporites cotalus
Algal cysts --	Mychristridium - 1 Schizosporis -1

*denotes provisional species names that have not been formally published to date.

Mine Channel Prop.

Vernon BC.

Date June 19/77

Hole No. _____

Sample No 329

From _____ To _____

Sample Length Crab

Remarks banded gtz - rich
r b with micaceous
massive min plus
soft quickly tarnished
metal

Assay For Cu, Mo, Ag,

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Signed John C. Lund

Mine _____

Date _____

Hole No. _____

Sample No 331

From _____ To _____

Sample Length Crab

Remarks Micaceous re
with metallic
or "rusty"

Assay For Cu, Mo, Ag,

NORTHERN MINER PRESS

Signed John Lund

Mine Channel Prop.

Vernon BC.

Date June 19/77

Hole No. _____

Sample No 330

From _____ To _____

Sample Length Crab

Remarks "Rusty" blds.
possibly etc in old
or cut. Soft metallic
quickly tarnished min.

Assay For Cu Ag Mo

NORTHERN MINER PRESS

Signed J. C. Lund

To: Vangeochem Labs Ltd.

PAGE No. 1

BONDAR-CLEGG & COMPANY LTD.

REPORT No A27 - 281 *channel assay file*

DATE: June 23, 1977

1521 Pemberton Avenue
North Vancouver, B.C.

CERTIFICATE OF ASSAY

Samples submitted: June 21, 1977
Results completed: June 23, 1977

I hereby certify that the following are the results of assays made by us upon the herein described ore samples.

MARKED	GOLD		SILVER	Cu	Mo						TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
329			0.02	<0.01	0.002						
330			0.02	0.01	0.002						
331			0.09	0.01	0.003						

[Signature]
Registered Assayer, Province of British Columbia



VANGEOCHEM LAB LTD.
 521 PEMBERTON AVE.,
 NORTH VANCOUVER, B.C.,
 AUG 22 1977 V7P 2S3

Pages sent to clients.
Lead & Uranium
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 AREA CODE: 604 986-5211

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Kerr Addison Mines Ltd.
 # 703 - 1112 W. Pender St.
 Vancouver, B.C. V6E 2S1
 Attention:

PER.....

Report No: 77 48 006 Page 1 of 1
 Samples Arrived: August 15, 1977
 Report Completed: August 19, 1977
 For Project:
 Analyst: R.Ng, S.C.
 Invoice# 4304 Job# 143

Sample Marking	Au ppb	U (sludges samples) ppm			
77 C 1 S	---	0.4	} <i>Silt?</i>		
77 C 4 S	---	0.3			
77 C 2 - 20- 30	20	1.0			
30- 40	70	0.9	} <i>Sludges</i>		
55- 60	nd	3.5			
60- 65	nd	2.5			
65- 70	10	1.5			
70- 75	nd	1.5			
75- 80	nd	0.9			
110-120	nd	2.4	} <i>Note: Sharp radiometric K.c.d @ 115 not reflected in assays</i>		
120-130	10	1.6			
77 C 2 -130-140	10	1.4			
		U (water samples) ppb			
77 C 1 W		0.1			
2		nd			
3		0.1			
77 C 4 W		0.1			
<p>RECEIVED AUG 22 1977 KERR ADDISON MINES LTD. PER.....</p>					

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BC - 11

TELEPHONE: 988-2172
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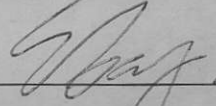
Kerr Addison Mines Ltd.
#703 - 1112 West Pender St.
Vancouver, B. C. V6E 2S1
Attention:

Report No: 77 48 004 Page 1 of 1
Samples Arrived: June 24, 1977
Report Completed: June 30, 1977
For Project:
Analyst: E.T., R.N.
Invoice #4211 Job #77-066

Sample Marking	U				
No number	ppm 0.2				
63	1.1				
65	3.8				
66	0.2				
75	0.2				
78+900	0.7				
81	0.9				
82	nd				
86	0.3				
91	0.1				
93	0.6				
98	0.1				
Mileage 47.5	0.2				

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