Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

MEMORANDUM

To: Dr. B. McMillan

Date: 6 September 1985

Our File:

FAIR
882836

Re: Samples for possible K-Ar Dating - Red Mtn. (Mt. Henry Clay Project)

Enclosed are two (2) samples for possible K-Ar determination for your 'expert' advice. Both are biotite hornfels and should (might) contain good secondary biotite.

As with the Muddy Lake samples, I have not yet requested a thin section, pending your advice. If you agree, could you please get sections made.

Thanks, Bill.

Tom Schroeter, P. Eng.,
District Geologist.

TS/ek

encls.

(NTS 114P/11)

RM-85-3- 34 to 35m

K-Ar

Sample Number(s) and Reference(s)

	material	Date	1σ error
Lab No: decay constants:	( )		± Ma
☐ 4.72/.584/1.19	( )		± Ma
Ref: ~~mt. Henry Clay Project~~ ☐ 4.72/.584/1.18	( )		± Ma
☐ 4.96/.581/1.167	( )		± Ma

Record No:

Suite No: ☐ not reported

Sample Name: Biotite hornfels

Latitude: Longitude: (X° Y' Z" or X° Y.Y')

59° 42' " N , 137° 10' " W (±);

UTM Zone ___ ___ E ___ N; Province BC

Sec.___, T.___, R.___; ___ Co., State ___.

(NTS 114P/11) TATSHENSHINI Map Area, Scale 1:250,000

Location: CARMINE Mtn. – FAIR (Red Mtn.) prospect

Source Type: Drill Core

Rock: Biotite Hornfels

Geologic Unit:

Geologic Age: 200 Ma or older?

Material Analyzed: secondary biotite?

Analytical Data: (list duplicate analyses or indicate n = 2, n = 3, etc.)

K = %; (Ar^{40*} = $x10^{-6}$ cc/gm)
K_2O= % $x10^{-10}$ mol/gm); ($\%\Sigma Ar^{40}$)

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K_2O= % $x10^{-10}$ mol/gm); ($\%\Sigma Ar^{40}$)

Comment on Analyses:

Interpretation: Associated with dyke cutting ~~pre-Upper Permian~~ Devonian + Upper Triassic rocks?

Collected by: Tom Schroeter Aug. '85

Dated by:

(NTS 114P/11)

RM-85-3-105 to 106

K-Ar

Sample Number(s) and Reference(s)	decay constants:	material	Date	1σ error
Lab No:		( )		± Ma
	□ 4.72/.584/1.19	( )		± Ma
Ref: ~~Mt. Henry Clay project~~	□ 4.72/.584/1.18	( )		± Ma
	□ 4.96/.581/1.167	( )		± Ma
Record No:				
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(NTS 114P/11) TATSHENSHINI Map Area, Scale 1:250,000

Location: CARMINE Mtn. - FAIR (Red Mtn) prospect

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Geologic Age: 200 Ma or older?

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Analytical Data: (list duplicate analyses or indicate n = 2, n = 3, etc.)

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$K_2O=$ % $\times 10^{-10}$ mol/gm); ($\%\Sigma Ar^{40}$)

Comment on Analyses:

Interpretation: Associated with dyke cutting Devonian + lower Triassic rocks?

Collected by: Tom Schroeter - Aug. '85

Dated by: