

K-Ar

Sample Number(s) and Reference(s)	material	Date	1 σ error
Lab No: <u>20824M</u>	decay constants: <u>(Biotite)</u>	<u>56.2</u>	\pm <u>2.0</u> Ma
	\square 4.72/.584/1.19	()	\pm Ma
Ref: <u>W.J. McMillan</u>	\square 4.72/.584/1.18	()	\pm Ma
<u>M.E.M.P.R.</u>	\square 4.96/.581/1.167	()	\pm Ma

Record No: _____

Suite No: _____ \square not reported

Sample Name: _____

Keystone 10.

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

(49° 40' 40" N, 121° 00' 00" W) (\pm);UTM Zone _____ E _____ N; Province B.C.

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

(NTS 92H) _____ Map Area, Scale _____Location: Keystone prospect on Coquihalla road 50km S. of Merritt.

Source Type: _____

Rock: GranodioriteGeologic Unit: Stock cutting (?) Eagle GranodioriteGeologic Age: Probably 60-100 MaMaterial Analyzed: Biotite (-40 to 60), quality very fine +.

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

K = $\bar{X} = 6.38 \pm 0.02$ (2) %	%; (Ar ^{40*} = <u>14.141</u> x10 ⁻⁶ cc/gm)	
K ₂ O = _____ %	<u>6.310</u> x10 ⁻¹⁰ mol/gm); (<u>92.9</u> % Σ Ar ⁴⁰)	
K = _____ %	%; (Ar ^{40*} = _____ x10 ⁻⁶ cc/gm); (_____ % Σ Ar ⁴⁰)	
K ₂ O = _____ %	%; (Ar ^{40*} = _____ x10 ⁻¹⁰ mol/gm)	
K = _____ %	%; (Ar ^{40*} = _____ x10 ⁻⁶ cc/gm); (_____ % Σ Ar ⁴⁰)	
K ₂ O = _____ %	%; (Ar ^{40*} = _____ x10 ⁻¹⁰ mol/gm)	
K = _____ %	%; (Ar ^{40*} = _____ x10 ⁻⁶ cc/gm)	
K ₂ O = _____ %	%; (Ar ^{40*} = _____ x10 ⁻¹⁰ mol/gm); (_____ % Σ Ar ⁴⁰)	

Comment on Analyses: _____

Interpretation: Stock probably cuts Eagle Granodiorite and pre-dates (?) breccia pipe. No mineralization related to stock?

Collected by: W.J. McMillanDated by: J.E. HarakalListed by: _____
(name, institution)Date: 9.13.79

K-Ar

Sample Number(s) and Reference(s)	material	Date	1 σ error
Lab No: <u>20825 M</u>	decay constants: (<u>Biotite</u>)	<u>53.5 ± 1.9</u> Ma	
Ref: <u>W.J. McMillan</u>	□ 4.72/.584/1.19	()	± Ma
<u>M.E.M.P.R.</u>	□ 4.72/.584/1.18	()	± Ma
	■ 4.96/.581/1.167	()	± Ma

Record No: _____
 Suite No: _____ □ not reported
 Sample Name: _____

Keystone 12 Biotite:
 Latitude: _____ Longitude: _____ (X° Y' Z" or X° Y.Y')
(49° 41' 30" N 121° 01' 00" W (±);
 UTM Zone _____ E _____ N; Province B.C.
 Sec. _____, T. _____, R. _____; _____ Co., State _____.

(NTS 92H) _____ Map Area, Scale _____

Location: On Coquihallah road about 50km S. of Merritt. (92H/NW)
 Source Type: _____
 Rock: Granodiorite
 Geologic Unit: Small stock
 Geologic Age: Probably 60-100 Ma.
 Material Analyzed: Biotite (-40 to 60) quality very fine +.

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

K = $\bar{X} = 4.41 \pm 0.02$ (1) %; (Ar ^{40*} = <u>9.301</u> x10 ⁻⁶ cc/gm)	; (<u>89.3</u> %ΣAr ⁴⁰)
K ₂ O = %; (<u>4.150</u> x10 ⁻¹⁰ mol/gm)	
K = %; (Ar ^{40*} = x10 ⁻⁶ cc/gm) ; (%ΣAr ⁴⁰)	; (%ΣAr ⁴⁰)
K ₂ O = %; (x10 ⁻¹⁰ mol/gm)	
K = %; (Ar ^{40*} = x10 ⁻⁶ cc/gm) ; (%ΣAr ⁴⁰)	; (%ΣAr ⁴⁰)
K ₂ O = %; (x10 ⁻¹⁰ mol/gm)	
K = %; (Ar ^{40*} = x10 ⁻⁶ cc/gm) ; (%ΣAr ⁴⁰)	; (%ΣAr ⁴⁰)
K ₂ O = %; (x10 ⁻¹⁰ mol/gm)	

Comment on Analyses: _____

Interpretation: A second stock or perhaps the same one as Keystone 10 but a breccia pipe separates them.

Probably post-dates Eagle granodiorite and carries associated Mo mineralization.

Collected by: W.J. McMillan

Dated by: J.E. Harakal

Listed by: _____ (name, institution)

Date: 9.13.79

K-Ar

Sample Number(s) and Reference(s)	material	Date	1σ error
Lab No: <u>20825M</u>	decay constants: (<u>H6</u>)	<u>49.5</u>	<u>± 1.7</u> Ma
	<input type="checkbox"/> 4.72/.584/1.19	()	± Ma
Ref: <u>W.J. McMillan</u>	<input type="checkbox"/> 4.72/.584/1.18	()	± Ma
<u>M.E.M.P.R.</u>	<input checked="" type="checkbox"/> 4.96/.581/1.167	()	± Ma

Record No: _____
 Suite No: _____ not reported
 Sample Name: _____

Keystone 12 Hornblende
 Latitude: _____ Longitude: (X° Y' Z" or X° Y.Y')
(49° 41' 30" N, 121° 01' 00" W) (±) ;
 UTM Zone _____ E _____ N; Province B.C.
 Sec. _____, T. _____, R. _____; Co., State _____.

(NTS 92H) Map Area, Scale _____

Location: "See Keystone 12 Biotite"
 Source Type: _____
 Rock: Granodiorite
 Geologic Unit: Small stock
 Geologic Age: _____
 Material Analyzed: Hornblende (-40+60) quality very fine.

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

K = $\bar{X} = 0.393 \pm 0.003$ (2) %	(Ar ^{40*} = <u>0.7665</u> x10 ⁻⁶ cc/gm)	
K ₂ O = _____ %	<u>0.3420</u> x10 ⁻¹⁰ mol/gm) ; (<u>44.9</u> %ΣAr ⁴⁰)	
K = _____ %	(Ar ^{40*} = _____ x10 ⁻⁶ cc/gm) ; (_____ %ΣAr ⁴⁰)	
K ₂ O = _____ %	_____ x10 ⁻¹⁰ mol/gm)	
K = _____ %	(Ar ^{40*} = _____ x10 ⁻⁶ cc/gm) ; (_____ %ΣAr ⁴⁰)	
K ₂ O = _____ %	_____ x10 ⁻¹⁰ mol/gm)	
K = _____ %	(Ar ^{40*} = _____ x10 ⁻⁶ cc/gm) ; (_____ %ΣAr ⁴⁰)	
K ₂ O = _____ %	_____ x10 ⁻¹⁰ mol/gm)	

Comment on Analyses: _____

Interpretation: "See Keystone 12 Biotite"

Collected by: W.J. McMillan
 Dated by: J.E. Harakal
 Listed by: _____
 (name, institution)

Date: 9.13.79