

THE UNIVERSITY OF BRITISH COLUMBIA

VANCOUVER 8, CANADA

DEPARTMENT OF GEOLOGY

K-AR ANALYTICAL DATA

Sample No.	Maggie MM 16 792-806
Material Analyzed.	Whole Rock
Potassium (% K) ¹	$\bar{X} = 3.68$ $\sigma \pm 0.02$ (4)
Ar ⁴⁰ (10 ⁻⁵ cc STP/g)	9.046×10^{-1} \leftarrow standard deviation on 4 runs
Ar ⁴⁰ / Total Ar ⁴⁰	0.43
Ar ⁴⁰ / K ⁴⁰	3.632×10^{-3}
Apparent Age.	61.1 (± 2.0) my

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Material Analyzed.	
Potassium (% K) ¹	
Ar ⁴⁰ (10 ⁻⁵ cc STP/g)	
Ar ⁴⁰ / Total Ar ⁴⁰	
Ar ⁴⁰ / K ⁴⁰	
Apparent Age.	

Footnotes: 1. Number in parenthesis refers to number of K analyses.

Constants Used: $\lambda_e = 0.585 \times 10^{-10} \text{ yr}^{-1}$
 $\lambda_\beta = 4.72 \times 10^{-10} \text{ yr}^{-1}$
 $K^{40} / K = 1.131 \times 10^{-4}$

σ = standard deviation.