

Yellow Giant

Bill McMillan

889838

(NTS 103G/8E)

K-Ar

Sample Number(s) and Reference(s)	material	Date	1σ error
Lab No: <u>YGKM-84-11</u>	decay constants: <u>(Sericite)</u>	<u>123</u>	<u>± 4</u> Ma
<u># 29984M</u>	<input type="checkbox"/> 4.72/.584/1.19	( )	± Ma
Ref: <u>T. Schroeter</u>	<input type="checkbox"/> 4.72/.584/1.18	( )	± Ma
<u>MEMPR.</u>	<input type="checkbox"/> 4.96/.581/1.167	( )	± Ma

Record No: \_\_\_\_\_  
 Suite No: \_\_\_\_\_  not reported  
 Sample Name: \_\_\_\_\_

Saussuritized Quartz Monzonite

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_ (X° Y' W or X° Y' Y')  
 ( 53 ° 22 ' N , 130 ° 03 ' W ( ± ) ;  
 UTM Zone \_\_\_\_\_ E \_\_\_\_\_ N; Province \_\_\_\_\_  
 Sec. \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_; Co., State \_\_\_\_\_.

(NTS 103G/8E) Yellow Giant Prop. Map Area, Scale Banks Island.

Location: 2000 meters S. of Banks Lake East-Kim Zone,  
 Source Type: Diamond Drill core, 11.40 to 17.50 meters.  
 Rock: Altered intrusive (Quartz monzonite)  
 Geologic Unit: \_\_\_\_\_  
 Geologic Age: \_\_\_\_\_  
 Material Analyzed: Sericite (-40+80)

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

K =  $\bar{X} = 7.34 \pm 0.04$  %; (Ar<sup>40\*</sup> =  $36.391 \times 10^{-6}$  cc/gm )  
 K<sub>2</sub>O =  $n = 2$  %; (Ar<sup>40\*</sup> =  $16.239 \times 10^{-10}$  mol/gm); ( 96.6 %ΣAr<sup>40</sup> )  
 K = %; (Ar<sup>40\*</sup> =  $\times 10^{-6}$  cc/gm ); ( %ΣAr<sup>40</sup> )  
 K<sub>2</sub>O = %; (Ar<sup>40\*</sup> =  $\times 10^{-10}$  mol/gm )  
 K = %; (Ar<sup>40\*</sup> =  $\times 10^{-6}$  cc/gm ); ( %ΣAr<sup>40</sup> )  
 K<sub>2</sub>O = %; (Ar<sup>40\*</sup> =  $\times 10^{-10}$  mol/gm )  
 K = %; (Ar<sup>40\*</sup> =  $\times 10^{-6}$  cc/gm )  
 K<sub>2</sub>O = %; (Ar<sup>40\*</sup> =  $\times 10^{-10}$  mol/gm); ( %ΣAr<sup>40</sup> )

Comment on Analyses: \_\_\_\_\_

Interpretation: Strong WNW fault zone (av. 60' wide) with good quartz-sericite-saussurite alteration. Mineralization + alteration + structural plumbing assumed to be contemporaneous (ie minor retrograde reaction)

Collected by: M. McLaren (Trader Res), Submitted by T. Schroeter.

Dated by: J. Harakal & K. Scott

Listed by: \_\_\_\_\_ (name, institution)

Date: 07.11.86

YGKM-84-11

K-Ar

Sample Number(s) and Reference(s)	material	Date	1 $\sigma$ error
Lab No: _____	decay constants: ( )		$\pm$ Ma
Ref: 11.40 to 17.50 metres	<input type="checkbox"/> 4.72/.584/1.19	( )	$\pm$ Ma
	<input type="checkbox"/> 4.72/.584/1.18	( )	$\pm$ Ma
	<input type="checkbox"/> 4.96/.581/1.167	( )	$\pm$ Ma

Record No: \_\_\_\_\_

Suite No:  not reported

Sample Name: Saussuritized ~~Granite~~ ~~Granite~~ QUARTZ MONZONITE

Latitude: \_\_\_\_\_ Longitude: (X $^{\circ}$  Y' Z" or X $^{\circ}$  Y.Y')

53 $^{\circ}$  '22" N, 130 $^{\circ}$  03' " W ( $\pm$  );

UTM Zone \_\_\_\_\_ E \_\_\_\_\_ N; Province \_\_\_\_\_

Sec. \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_; Co., State \_\_\_\_\_

(NTS 103G/8E) Yellow Giant Property Map Area, Scale Banks Island

Location: 2000 metres south of Banks Lake East - Kim Zone

Source Type: Diamond drill core

Rock: Altered intrusive (Quartz Monzonite)

Geologic Unit: \_\_\_\_\_

Geologic Age: 50 my?

Material Analyzed: Bill McMillan examined thin section + felt K-Ar analysis possible (see attached card).

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

K = _____	%; (Ar <sup>40*</sup> = _____)	x10 <sup>-6</sup> cc/gm )	
K <sub>2</sub> O = _____	%; (Ar <sup>40*</sup> = _____)	x10 <sup>-10</sup> mol/gm); (	% $\Sigma$ Ar <sup>40</sup> )
K = _____	%; (Ar <sup>40*</sup> = _____)	x10 <sup>-6</sup> cc/gm ); (	% $\Sigma$ Ar <sup>40</sup> )
K <sub>2</sub> O = _____	%; (Ar <sup>40*</sup> = _____)	x10 <sup>-10</sup> mol/gm)	
K = _____	%; (Ar <sup>40*</sup> = _____)	x10 <sup>-6</sup> cc/gm ); (	% $\Sigma$ Ar <sup>40</sup> )
K <sub>2</sub> O = _____	%; (Ar <sup>40*</sup> = _____)	x10 <sup>-10</sup> mol/gm)	
K = _____	%; (Ar <sup>40*</sup> = _____)	x10 <sup>-6</sup> cc/gm )	
K <sub>2</sub> O = _____	%; (Ar <sup>40*</sup> = _____)	x10 <sup>-10</sup> mol/gm); (	% $\Sigma$ Ar <sup>40</sup> )

Comment on Analyses: See attached notes.

Interpretation: Strong WNW fault zone (av. 60 ft. wide) with good quartz-sericite-saussurite alteration. Mineralization + alteration + structural plumbing assumed to be contemporaneous (w. minor retrograde reaction)

Collected by: M. McLaren (Trader Res.) - submitted by T. Schroeter

Dated by: \_\_\_\_\_

M. 22/85

SPECTROGRAPHIC REPORT

1	Si ___ Al ___ Mg ___ Ca ___ Fe ___ Pb ___ Cu ___ Zn ___ Mn ___ Ag ___ V ___ Ti ___ Ni ___ Co ___ Na ___ K ___ W ___	2	Si ___ Al ___ Mg ___ Ca ___ Fe ___ Pb ___ Cu ___ Zn ___ Mn ___ Ag ___ V ___ Ti ___ Ni ___ Co ___ Na ___ K ___ W ___	3	Si ___ Al ___ Mg ___ Ca ___ Pb ___ Cu ___ Zn ___ Mn ___ Ag ___ V ___ Ti ___ Co ___ Na ___ K ___ W ___
4	Si ___ Al ___ Mg ___ Ca ___ Fe ___ Pb ___ Cu ___ Zn ___ Mn ___ Ag ___ V ___ Ti ___ Ni ___ Co ___ Na ___ K ___ W ___	5	Si ___ Al ___ Mg ___ Ca ___ Fe ___ Pb ___ Cu ___ Zn ___ Mn ___ Ag ___ V ___ Ti ___ Ni ___ Co ___ Na ___ K ___ W ___	6	Si ___ Al ___ Mg ___ Ca ___ Pb ___ Cu ___ Zn ___ Mn ___ Ag ___ V ___ Ti ___ Co ___ Na ___ K ___ W ___

X-RAY DIFFRACTION REPORT AND COMMENTS

29646 Y6KMe01 Minerals identified from the dark green streaks and their immediate vicinity in the red circles include SERICITE, QUARTZ, CHLORITE and trace amounts of ANKERITE, CALCITE, PLAGIOCLASE, RUTILE (and/or K-FELDSPAR), ILLITIC mixed-layer clay and AMPHIBOLE.

The mineralogy of the bulk sample is as follows:  
 QUARTZ >> PLAGIOCLASE (albitic) > ANKERITE (or Fe-rich DOLOMITE) ≈ SERICITE (both 1M and 1Md polytypes present) > CALCITE > trace amounts of CHLORITE, VERMICULITE-HYDROBIOTITE, RUTILE/K-FELDSPAR ± illitic mixed-layer clay ± amphibole.

Tom -

85/2/4

This sample might be okay for K/Ar but will be difficult to separate and may be retrograded (illite).

If you want us to try it, we will need about 25 pounds (more if possible) of sample to work with.

KEY COLUMNS 28-31

JMFC ultramafic	GRNS greenstone	TRCT trachyte	SKRN skarn	SND5 sandstone
ANDS andesite	MNZN monzonite	TUFF tuff	GOUG gouge	SHLE shale
BSLT basalt	OBSD obsidian	AMPB amphibolite	ARGL argillite	SLSN siltstone
CRBN carbonatite	PNLT phonolite	CLCC calc-silicate	CHRT chert	MRLZ mineralization
DCIT dacite	QZPP quartz porphyry	GNSS gneiss	COAL coal	MVSP massive sulphide
DORT diorite	RYLT rhyolite	MRBL marble	DLMT dolomite	DISS disseminated
GBBR gabbro	SRPN serpentinite	PLLT phyllite	LMSN limestone	SCKK stockwork
GRNT granite	SNKN shonkinite	SCST schist	MARL marl	VEIN vein
GRDR granodiorite	SYNT syenite	HRFL hornfels	QRTZ quartzite	ALRZ alteration

Roll

ANALYTICAL METHOD	
AA	ATOMIC ABSORPTION
AH	HYDRIDE GENERATION
FA	FIRE ASSAY
ES	EMISSION SPEC
XR	X-RAY FLUORESCENCE
WC	WET CHEMICAL
CL	COLORIMETRIC
CV	COLD VAPOUR

COLUMNS 32-33

04 Proterozoic	12 Cambrian	21 Mississippian	34 Jurassic
05 Helikian	14 Ordovician	22 Pennsylvanian	36 Cretaceous
06 Hadrynian	16 Silurian	24 Permian	40 Cenozoic
10 Paleozoic	18 Devonian	30 Mesozoic	42 Tertiary
11 Prot.-Paleozoic	20 Carboniferous	32 Triassic	44 Quaternary
			50 Unknown

COLUMN 34

SAMPLE TYPE
1 Single grab sample
2 Channel/chip
3 Composite sample
4 Drill core
5 Talus or transported
6 Soil
7 Silt
8 Other

COLUMN 35

% SULPHIDE
0 <0.5
1 0.5-1
2 1-10
3 10-50
4 >50

COLUMNS 36-43

Mineral Inventory Number or property name

COLUMNS 44-80

Comments

SAMPLE PREPARATION

W	TUNGSTEN CARBIDE
C	CERAMIC
S	STEEL

YELLOW GRAN

MINISTRY OF ENERGY, MINES AND  
PETROLEUM RESOURCES

To: Bill McMillan Date: May 22/85  
From: Tom Schroeter

- For your approval.  Prepare reply for my signature.  
 For your information.  Prepare draft of reply.  
 For necessary action.  Return to me.  
 Send me copy of reply.  File.  
 For your comments.  For signature.  
 Wish to discuss.

Enclosed are three bags of  
drill core from Trader Resources  
Yellow Giant gold property  
on Bank Island (YG KM-84-11,  
11.40 to 17.50 m)  
Can we try for a K-Ar date?  
Thanks, Bill

P.S. Status of Sr. No. AH-84-2  
submitted Sept. 14/84 (for complete  
oxide analysis)? Tom S.

Rock Name	K/Ar possible I think XRAY ALTERED MAFIC		Serial No.	8501
Locality	BANKS ISLAND		Field No.	Y6KM001
Occurrence	Kim Deposit - Yellow Giant Property.			-17.20M
Megascope				
Microscopic	sericite present - est < 10%			
	silicified carbonate altered sericitized			
MINERALS	Approx. per Cent	Cut on dotted line to make clip for section.	Analyst WJM	Date ~Feb. '85
veinlets qtz - sericite patchy, bend amphibole? No sericite + Fe carb. after magie minis I think - see red circles			Qtz carbonate plag remnants - ser. with sericitic	
				10M-879-5238 (2)