

Crowsnest  
882147

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TO: BC EMP R  
ATTENTION: TOM SCHROETER FAX # 775-0313  
FROM: ROB CAMORON DATE: MAY 31/93  
NO. OF PAGES (including cover) : 5

REMARKS:

AGE DATE DATA FOR  
HOWELL INTRUSIVES - SAMPLE  
FROM DRILL CORE OF SYENITE  
JUST WEST OF TRACHYTE RIDGE.  
SORRY ABOUT THE QUALITY OF  
THE TWO DATA PAGES, I HOPE  
THAT YOU'VE FIGURED OUT  
SEE YOU THIS  
SUMMER  
Rob

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Energy, Mines and  
Resources Canada  
Geological Survey of Canada  
100 West Pender, Vancouver  
V6B 1R8

Énergie, Mines et  
Ressources Canada  
Commission géologique du Canada  
100 Ouest, rue Pender, Vancouver  
V6B 1R8

Your file      Votre référence

Our file      Notre référence

5 June 89

Dear Dave:

Please find enclosed the long awaited U/Pb data on your Howell Creek syenite. My apologies for the long wait; too many things on the go seems to be a characteristic trait of geochronologists. Anyway, as I understand that you're not so concerned with these data anymore, perhaps you can pass it on to whomever you feel would be most interested.

DG-F-87-3: Howell Cr. syenite

The two points which we ran produced lower and upper intercepts which agree well with other similar rocks from the region; further work would likely produce a more precise age, but is not really necessary due to the internal agreement with these other data. The two points indicate a significant contribution of old, inherited Pb. The age of this Pb is Early Proterozoic, similar to the age of inheritance from other intrusions in the region. The lower intercept (the crystallization age) is approximately 100 Ma.

So good luck on your future pursuits. If you have any questions, I'm going to be in the office (666-1128) during the first two weeks of July; I leave in a couple of days for the field for the rest of the summer, except for those days in July.

Cheers,

LOG NO:	890609	CR
ACTION:	original to Andrew Legon copy to Vic Preto copy to R. Cameron	
FILE NO:	copy for me	

Don Murphy

(Fox Geological Consultants Ltd  
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Canada



U-T-D

Concordia interpretation  
Mineral or rock isochron

Sample Number(s) and Reference(s)

Lab No: DG-F-87-3

Ref:

Record No:

Suite No:

Sample Name:

Howell Cr Syenite

decay constant

old: 0.1537/0.9722/0.0499/137.8

new: 0.155125/0.98485/0.049475/137.88

other:

not reported

Upper Intercept:

2 $\sigma$  error

Computed

Assumed  2346.84

$\pm$  22

Ma

Lower Intercept:

2 $\sigma$  error

Computed

Assumed  98.47

$\pm$  10

Ma

238 U-206

Pb date

235 U-207

Pb date

207 Pb/206

Pb date

232 Th-208

Pb date

Number of Points: 4

Latitude:

Longitude:

( $^{\circ}$   $'$   $''$  or  $^{\circ}$   $'$   $''$  L.Y.)

49 $^{\circ}$  11'

N. 114 $^{\circ}$  36'

Elevation:

UTM Zone

Province:

Sec.

Sta.

NTS 824/2E

Map Area (1:250,000)

Location:

At anomalous location in Howland Basin of Dome Complex

Source Type:

Drill core

Rock Types:

Syenite

Geologic Unit:

Geologic Setting:

Material Analysed:

Zircon

Comment on Analyses:

Interpretation:

Lower intercept at 100 Ma, as well as other ages from similar rocks in the region and from chemically similar rocks in the Howland Basin.

Collected by:

Dice, Grew, & Goom

Dated by:

DM

