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Earth Sciences

Sciences de la Terre

Geological Survey of Canada  
601 Booth Street  
Ottawa, Ontario  
K1A 0E8

Commission géologique du Canada  
601, rue Booth  
Ottawa (Ontario)  
K1A 0E8

Your file    *Voire référence*

Our file    *Notre référence*

June 19, 1986

R.R. Walker  
Exploration Manager  
Westmin Resources Limited  
P.O. Box 8000  
Campbell River, British Columbia  
V9W 5E2

Dear Richard:

Finally, enclosed are the analytical results for the U/Pb date on zircon from the quartz-feldspar porphyry sample near the H-W orebody. The date,  $365.4 \pm 2.8$  Ma, is apparently of excellent quality.

If agreeable to you, we would like you and/or any of your colleagues to write a short paper in GSC Current Research format (see enclosed paper as a guide) describing the stratigraphic setting of the sample, its relationship to the H-W orebody, accurate location of the sample including NTS and latitude and longitude, nature of the sample, analytical techniques (Randy can help with this) and inferences as to the stratigraphic and metallogenetic significance of the date. The paper would be co-authored by you, any of your colleagues (Garfield?) and Randy Parrish. Janet J. Carrière would be acknowledged for "picking" (hand sorting) the zircons and I would be acknowledged for helping to obtain the date. A schematic cross-section showing stratigraphic and ore relationships, similar to the one in the annual report a few years ago, would be useful. We also have a photograph or two of zircons that could be included (e.g. see enclosed examples). The Pb/U plot and table of results for zircon fractions could also be included.

Please let me know of your plans.

Very best regards,

Sincerely,

R.V. Kirkham

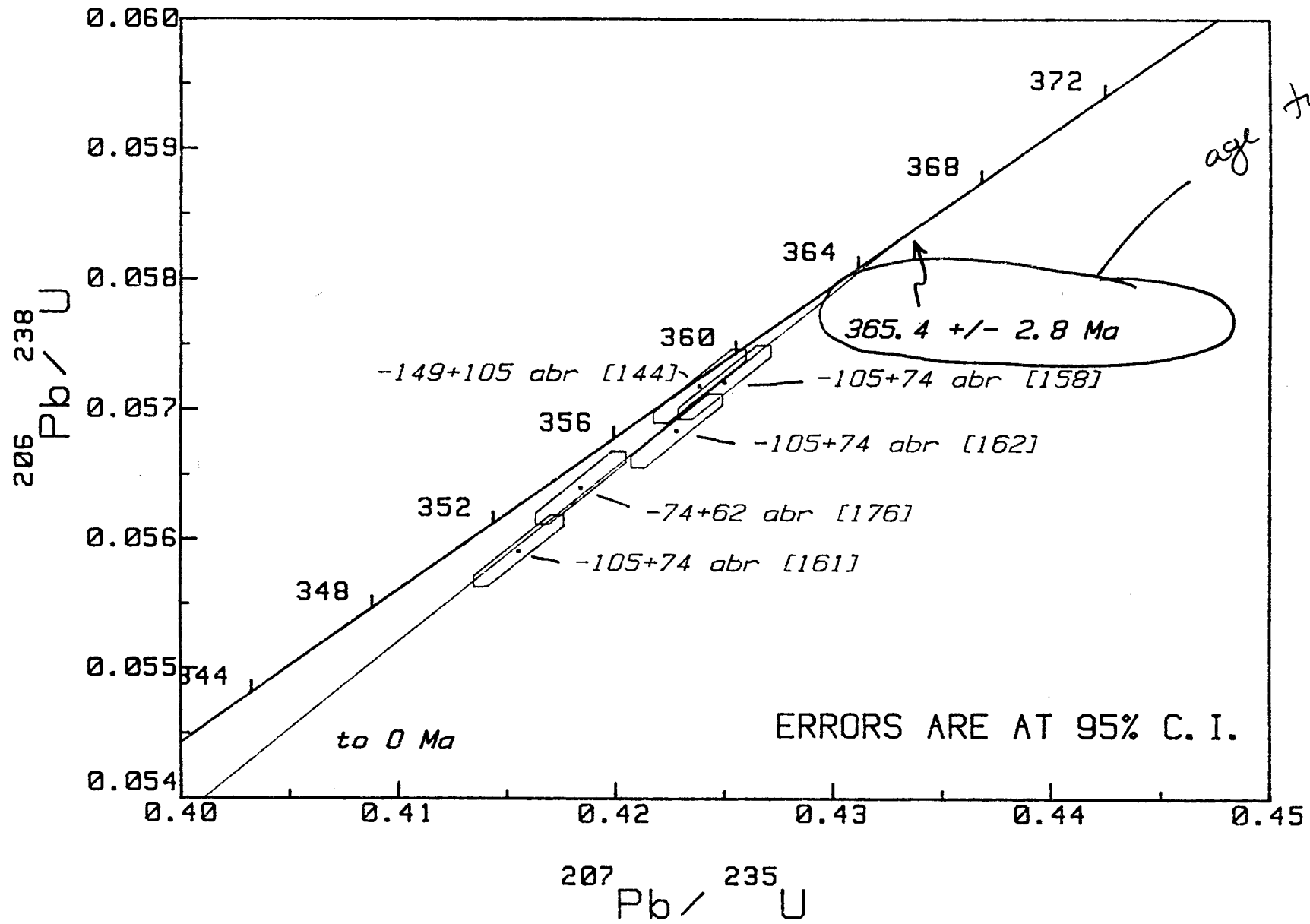
Encl.

cc: A.E. Soregasoli  
R. Parrish

Canada

Kirkham / Walker  
copy

# P13-307-SICKER QFP



P13-307 - SICKER QPP — Westmin mine core.

fraction (in microns)	wt. (mg)	Uppm <sup>2</sup>	* Pb RAD ppm	1	measured 206 Pb/204 P	Total Common Pb in analysis (picograms) incl. blank	% 208 Pb 1 RADOSMIC	200 Pb 238 U	207 Pb 235 U	1	207 Pb 206 Pb	1	207 Pb 206 Pb <sup>age</sup>	1	
						140	11.5	0.05718	0.4239	0.05377	361.4				
-149+105 abr. med.	0.332	144.2	8.44		1247	140	11.5	0.05718			0.4239		0.05377		361.4
-105+74 abr. light	0.299	158.4	9.33		3247	53	12.0	0.05721			0.4251		0.05389		366.3
-105+74 abr	0.976	161.7	9.53		2279	249	12.6	0.05684			0.4228		0.05396		369.2
-74+62 abr light	0.268	175.8	10.29		2424	69	12.7	0.05640			0.4184		0.05381		363.0
-105+74 abr.	0.530	160.9	9.34		1141	267	12.7	0.05591			0.4155		0.05391		367.2

Sample via Roger Walker, Rod Kirkham

Pb blanks varied from 40 to 200 pg during course of these analyses. U blanks are less than 30 pg. procedures employed a mixed <sup>205</sup>Pb-<sup>238</sup>U tracer (Krogh + Davis 1973), a MAT 261 multicollector mass spectrometer using an SEM for <sup>207</sup>Pb/<sup>204</sup>Pb ratios, and chemical procedures modified from Krogh (1973) and Sullivan and Lovridge (1980)

A modified York II regression fit through the origin was used to calculate intercept of zircon data, with an MSWD of 1.6. using 15 Pb/U errors of 0.25% + corr. coeff of 0.90

Common Pb corrections were made assuming Stacey-Kramers model Pb of age = 370 Ma.

abr = refers to abrasion techniques as outlined by Krogh (1982)

1 blank and common Pb-corrected.

2 corrected for blank

Dr. R. Parrish

Oct. 1/85

R. V. Kirkham

Westmin QFP sample for zircon  
U/Pb date

Randy, the lat. & long. for the approximate center of the HW orebody are  $49^{\circ}34'15''$  and  $125^{\circ}35'20''$ . The porphyry sample comes from the vicinity of the HW orebody but if you need a more accurate location I will have to obtain it from the mine geologists.

Do you have any correspondence or descriptive material on the sample? I've misplaced my file on the sample.

Rod Kirkham