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Energy, Mines and Resources Canada
Earth Sciences
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Sciences de la Terre
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Your file Votre référence

Our file Notre référence

October 22, 1984

Dr. K.M. Dawson
Geological Survey of Canada
100 West Pender St.
VANCOUVER, B.C. V6B 1R8

Dear Ken:

Please find enclosed your Greenwood area analyses. Aside from the analyses for the BC Mine (obtained previously), they appear to lie in one general zone on the standard plot. The BC Mine anomaly may make some geological sense to you.

You may feel otherwise, but I would doubt that the isotopic differences should be interpreted as age differences. The interpretation that I would prefer is that they mean differences in source. Thus, in a general way at least, Skylark lead may be a mixture of Goldfinch (etc.) lead and Tiger lead. It is obvious that the leads from Goldfinch, E Pluribus Unum, Number 7 and Norfolk had very similar sources. You will know how geologically and/or geographically coherent they are. I hope they tell some story, so that you will be inspired to present the results in a short note (for Current Research ?).

Sincerely,

Ralph Thorpe

Encl.

Ralph Thorpe

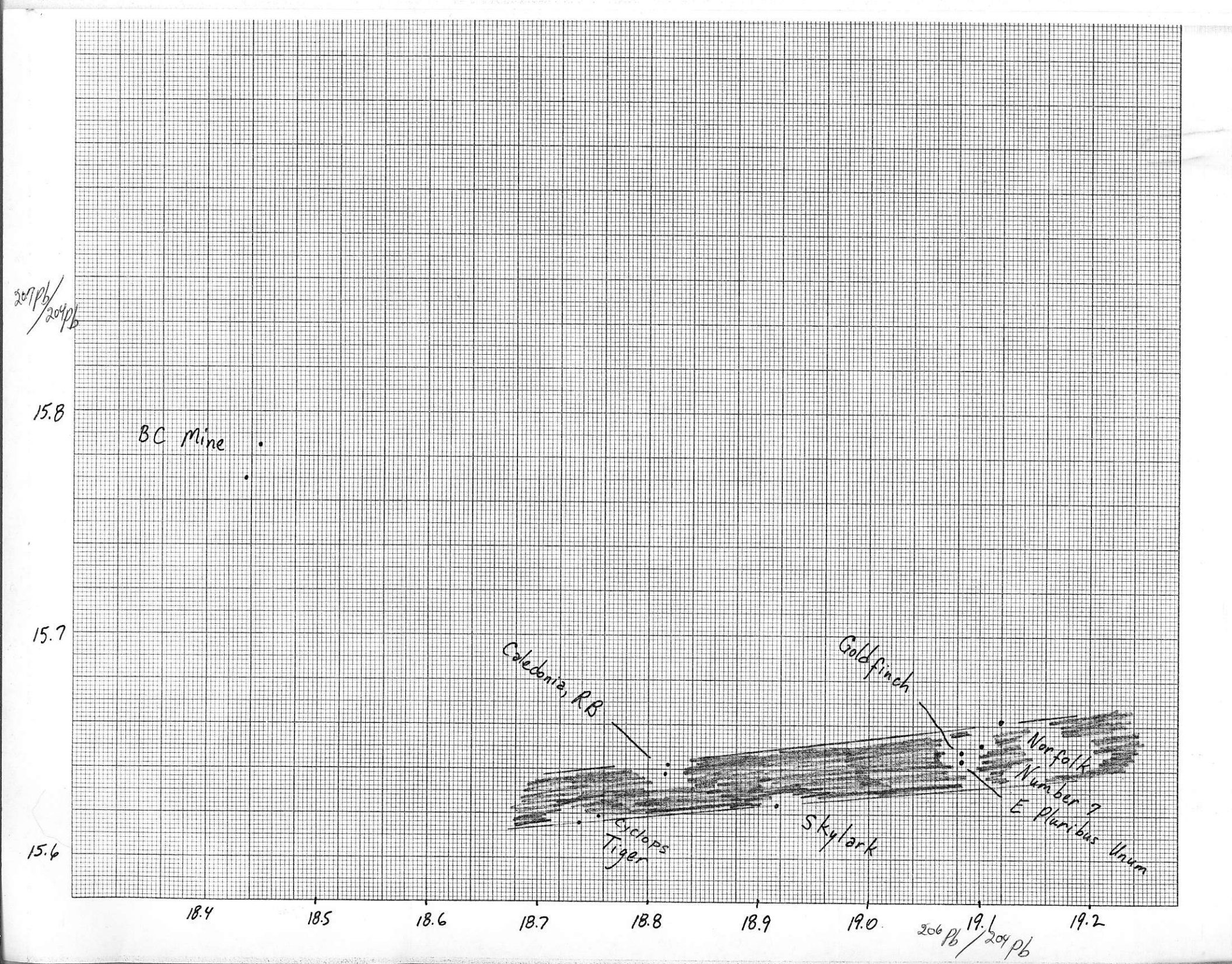
Canada

Greenwood Area Analyses

Sample No.	Property	$^{206}Pb/^{204}Pb$	$^{207}Pb/^{204}Pb$	$^{208}Pb/^{204}Pb$
DY 2854	Caledonia Crown Grant	18.815	15.638	38.591
DY 2834 (sph.)	BC Mine	18.435	15.770	37.675
* " "	" "	18.448	15.785	37.692
DY 2854	RB Group (formerly Caledonia)	18.818	15.642	38.586
DY 2856	Norfolk	19.119	15.662	38.848
DY 2857	Number 7	19.102	15.651	38.820
DY 2858	Goldfinch	19.083	15.648	38.923
DY 2859	E Pluribus Unum	19.083	15.644	38.915
DY 2860	Tiger	18.738	15.616	38.440
# DY 2855	Skylark	18.917	15.624	38.793

* preferred repeat analysis

errors somewhat larger than usual


207Pb/204Pb
15.8
15.7
15.6
BC Mine
Caledonia, RB
Goldfinch
Norfolk
Number 7
E Pluribus Unum
Cyclops
Tiger
Skylark
18.4
18.5
18.6
18.7
18.8
18.9
19.0
19.1
19.2
206Pb/204Pb