

1991 Samples for U-Pb Zircon Dating  
(R.V. Kirkham Nov. 26/92)

Quebec

- KQ-91-7 - Porphyry dyke - Clark Lake (Porph. Cu-Mo dep.)  
~~#SYA-91-6~~ - ~~Granodiorite~~ - ~~MacLeod Lake (Porph. Cu-Mo dep.)~~

Smithers, B.C.

- KQ-91-38 - ash tuff - near top of Hazelton Group - <sup>type section</sup> Ashman Ridge  
 KQ-91-40 - welded tuff - Hazelton Group - " "  
 ddh #72-1331-2128' - rhyolite porphyry - Hudson Bay Mtn. - genetically related to Mo deposit  
 " #72-2270-2330' - monzogranite porphyry - Hudson Bay Stock - cuts rhyolite porphyry  
 (K/Ar date available for this intrusion)

Sulphurets, B.C.

- KQ-91-80B - extrusive Premier Porphyry - Knippole Glacier

Pre-1991 Samples being processed (?)

Sulphurets, B.C.

- KQ-90-151A  
 KQ-90-152  
 KQ-90-154C

Smithers B.C.

- KQ-89-2A  
 ddh #70-2471-2491'



TO  
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Dr. R. Parrish  
Head, Geochronology Section

FROM  
DE

R.V. Kirkham

SUBJECT  
OBJET

**U-Pb Zircon Dating**

SECURITY - CLASSIFICATION - DE SÉCURITÉ
OUR FILE - N / RÉFÉRENCE <b>M-PARRISH</b>
YOUR FILE - V / RÉFÉRENCE
DATE <b>13 January 1993</b>

Attached is a list of samples that were collected for U-Pb zircon dating.

Jim Mortensen in a recent telephone conversation said that he would attempt to have Smithers samples processed. This still leaves Quebec and Sulphurets samples. If at all possible I would like to have samples numbered KQ-90-154C, KQ-91-80B, KQ-91-7 and SYA-91-6 processed in GSC laboratories. Zircons have been identified petrographically in all samples. The first three are the highest priority but, SYA-91-6, although it should be analyzed, can be done at a later date.

If Smithers samples cannot be done at UBC I would hope that some could be done by the GSC. KQ-91-38 & 40 are from the type section of the Hazelton Group and would be important for both long-range and local correlations and for establishing radiometric dates for fossil assemblages.

Please let me know soon what might be done in GSC labs and please inform me before **any** samples (several others stored with Geochronology Section not indicated on this list) are discarded.

R.V. Kirkham

RVK/cb

cc: J.M. Duke  
J.K. Mortensen