



To / À

Dr. J.K. Mortensen

From / De

R.V. Kirkham

Subject / Objet

Zircon Samples from Kitsault and Sulphurets Regions B.C.

Security Classification - Classification de sécurité
Our File - Notre référence
<b>KIRKMEMS</b>
Your File - Votre référence
Date
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This summer I collected one sample from the Kitsault area and three from Sulphurets area for U/Pb zircon dating.

The sample from Kitsault (KQ-90-128) is from high in the Hazelton Group near "Quartz-eye" Lake south of Kitsault Lake. It is a feldspar (quartz)-phyric unit that is probably a welded-tuff. This sample should date the Hazelton Group and should prove a reasonable age for the exhalative celestite in the area.

Scum-bag Charlie Greig was with me at the time and also collected a sample at the same site. I tried to discourage him but he said that you could not be relied upon to get a good date and that, if necessary, he could have one by Christmas. He assured me that he would not proceed without first contacting you or me, but you know these unreliable youngsters. I had to threaten withdrawal of GSC support for his thesis to get these assurances. Dani Aldrick also informed me that he has obtained zircons for a couple of samples from the Kitsault area.

At Sulphurets in the Hanging (Freegold) Glacier area I collected three samples for zircon dating KQ-90-151A (intensely altered, premineral plagioclase-hornblende porphyry), KQ-90-152 (postmineral to very late-mineral, K-spar-phyric Premier Porphyry), and KQ-90-154C (albite-hornblende phyric "Sulphurets Porphyry" (a new name for a significant mass of porphyry mapped by RVK and BCGSB geologists near the Sulphurets Glacier). These dates should bracket the age of the main period of alteration and sulphide (largely pyrite with minor chalcopyrite) deposition in the area and date a significant mass of subvolcanic porphyry very different in nature from that already dated north of the Mitchell Glacier. Dani also told me that he will be sending you a sample of postmineral Premier Porphyry from the Kerr Property southwest of the Sulphurets Glacier. I understand that he has also sampled the rhyolite unit at Eskay Creek but I'm not sure where he intends to have it dated.

I will move my zircon samples into Geochronology's cage and have thin sections made.

More information about the samples is available upon request.

  
R.V. Kirkham

cc: R.G. Anderson  
D. Aldrick