



Exploration  
Research Laboratory

Arne O. Birkeland, P.Eng  
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Dear Arne:

Following are the x-ray diffraction results of your samples:

- (1) ARL305 contains abundant quartz and kaolinite.
- (2) ARL309 contains abundant quartz and significant muscovite/sericite.
- (3) ARL310A is seen to contain only quartz.
- (4) ARL310B contains abundant quartz and significant muscovite/sericite.
- (5) ARL311 contains abundant quartz and significant kaolinite.
- (6) ARL312 contains abundant quartz, abundant kaolinite and some pyrophyllite.
- (7) ARL326 contains abundant quartz, some kaolinite and possibly (tentatively identified) zunyite, a hydrated alumina, fluoride-chloride silicate.

I shall return your rock samples and the x-ray traces with them.

Yours truly,

A handwritten signature in black ink, appearing to read 'Jim McLeod', with a long horizontal flourish extending to the right.

J.A. McLeod, P.Eng.

JAM/skw