

andesites is quite clear from the sample plots. A similar difference in barium contents is also observed but this is weakly inverse with respect to strontium and shows a much wider range due to barite precipitation as discrete veins within the alteration profile. On an east-west section these data show a strontium depletion over at least 600 metres.

Based on the available chemical and isotope data a pilot Sr isotope study of the ore sequence in the Mackintosh district has been initiated to evaluate its potential to provide a vector useful in deep exploration. A selection of 13 core samples from profiles through Hellyer - Que River has been collected for this study. The background petrography has been detailed by Gemmell(1990) for this sample suite. Results of this study will be reported separately.

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