

803903

MEMORANDUM

MINERAL DEPOSIT RESEARCH UNIT

To : Rod Kirkham
GSC - Ottawa

From : A.J. Macdonald

Date : March 1, 1992

Subject : Geochronometry - Brucejack Lake Area

Dr. Dipak Ghosh has reported preliminary U-Pb zircon ages for two rocks collected south of Brucejack Lake in 1991 :

<u>Sample #</u>	<u>Description</u>	<u>Age</u>
AJM-ISK91-388	Intermediate/Felsic Flow Dome	185.9 ± 1.5 Ma (2 sigma)
AJM-ISK91-389	Intermediate/Felsic Dike	185.0 ± 1.0 Ma (2 sigma)

Dr. Ghosh also interprets some Pb inheritance in the data from rocks with an estimated age of approximately 1000 Ma; i.e. the "basement" to the Sulphurets area may be the Nisling terrane, or an equivalent. As soon as Dr. Ghosh provides a final report (he is currently in India), I shall pass on a copy to you.

Field relationships (described in October 1991 technical meeting; refer also to 1991 Brucejack Lake Field Photo Atlas) suggested that the two rocks are coeval, supported by the above data.

In the expected course of events, I will inform members of the Iskut Project Technical Committee that the data have been obtained and Dipak will present the data at the next technical meeting (May, 1992). Until that time, I would be grateful if the data are not distributed publicly; of course, I look forward to discussing any aspects of this work with you at any time.

Handwritten notes:

Rod

- "AUTOCAD" - 1000
- if you/the members of Sulphurets area is proper; require diskette, please let
- Petrography of West Zone surface complete; moving w/4.
- Lithogenese of West Zone surface ready finished by XRA.