221466

These samples were not analysed for tin, however, from analysis of other samples we believe this "fluorite magnetite skarn" may contain up to 0.5% total Sn in a very finely divided form. Tin determinations by X.R.F. and Na_2O_2 fusion and nitrous oxide flame A.A.S. gave values almost twice those determined by ammonium iodide leach / A.A.S..

//Not so all Moina samples have been analysed by XRF none by iodide leach CW

At this stage we are prepared to commit to a maximum of $750 and wish Amdel to determine whether or not "acid grade" fluorite can be extracted chemically from the samples provided.

We appreciate that Amdel has been doing work at its own expense and thank you for inviting us to participate. Initially it must be to a maximum of $750 since like Amdel, we are also on a very tight budget. We also understand that the details of the test method(s) should remain confidential to Amdel until Comalco commits itself to larger scale tests. However, this is a "chicken and egg" situation as we will need considerable detail before agreeing to spending $5000+ on an expanded programme. So that we can assess the desirability of having more research done, we must request that you give us:-

Full analyses of all fractions.
Comments on behaviour of samples.
Recommendations for future work.
Behaviour of tin.
Return all pulps / fractions to us on completion of this initial work.

Separately, we have sent to Amdel two samples:-

Labelled: "Moina 1" and "Moina 2"
Laboratory work requisition note: O.L.M. 80
Reference "number": AB/T/Moina/-
From: A. H. Bartlett
Exploration Department
Comalco Limited.

Thank you for your help, we shall look forward to receiving the results of your tests shortly.

Yours sincerely,

AHB.

A. H. Bartlett,
Manager - Exploration.

JMS