

RECEIVED
SEP 15 1971

Sept 10/71

To: W. Simola
From: John C. Lund.

KERR ADDISON MINES LTD.

Per: _____

Re: Lynn Group

Briefly here is a rundown on the drilling to date.

1. DDH# 471-1 at 56N on line 138 encountered mainly phyllite with interlayered quartz and carbons, 2-5% pyrite generally along plane of schistosity but also the pyrite occurs as small veinlets cross cutting the structures. Pyrrhotite is present but in minor amounts and is sporadic. One notable feature is the presence of "reddish bronze" mica. This mineral constitutes up to 20% of the rock over long sections. Scattered sporadically through much of this micaceous rock are deep purple to violet crystals, presumably of *garnet. These are up to 1/4" across. Cutting the structures in some sections is an "apple green" soft (scratch with fingernail) mineral. The colour varies from cream to apple green; the latter is more common. Sericite appears most abundant in the last few feet of the hole. This section is also most shattered and faulted.

Faulting is present but only in short sections. Dips on beds are variable.

There is more contortion in the upper

* May be Spessartite - Manganese Garnet.

section of the hole than at depth. Here there is evidence of small scale overturning.

Pb-20 is sparse. Pb seems to be closely associated with qtz-pld spr injection.

After I have done a detailed log of the core I will be able to give you a better picture of the log. Have you any observations on the "reddish bronze biotite"? Or the soft apple green mineral?

2. Drilling should start on #L71-2 tomorrow morning.

3. The presence of permafrost makes moving up slope difficult. #L71-3 located on line 138W at 39N is on top of the hill. To move directly up the hill from the present site is impossible. I will try to find a route up today. We may find it more economical money wise and time wise to consider a chopper move. I will know better after today. It took 5 days for the present move. It is something to consider. We would use a "jet Ranger" if a chopper move was made.

4. Looking at the terrain, the thickness of organic debris and considering the presence of permafrost, how

reliable are the soil results. On examining three sample sites I would guess the sample was taken from the A horizon. It was not the B or B₁.

5. I do not see any sample bags — would you send up probably 200. I am being optimistic.
6. Change the Radio sched to 8AM to 9AM Yukon time; that will be 9 to 10 AM Van time.

That's about it. Murray is sending out a mechanic today to work on the car so I shall send this back with him tonight.

P.S. I also find there are no drill log forms. Please have Jill send 2 pads up with carbon paper. also Envelopes. + Stamps.

John.