

visit to  
 at Cinola ~~Gold~~ Mines Babe Deposit

In company with Tom Schroeter and  
 Gib McArthur, the deposit was visited  
 on March 1.

The tour was led by the company's  
 consultant from Toronto, Bob Hart, and  
 the property geologist, Steve ~~Lacey~~<sup>Lacy</sup>.

Mineralization has been dated at 13Ma  
 and occurs in association with silicification  
 sandstones to  
 in pebble to cobble conglomerates of the Skounu  
 Formation. Carbonaceous fragments and lenses  
 are common. The Skounu is separated from  
 the older Haida group rocks by <sup>a</sup> the northeast  
 dipping fault which is essentially the  
 footwall of the deposit (some mineralization  
 extends into the Haida).

CINOLA

(2)

Along the footwall fault, there are several pod-like areas of "rhyolite." Bob Hart thinks they are ~~silicified~~ <sup>silicified</sup> zones; Steve Lacy and Tom favor the <sup>rhyolite</sup> interpretation.

Adjacent to the <sup>pyritic</sup> gold bearing silicified zone, the country rock is pervasively and intensely kaolinized altered.

Gold occurs in the pyrite, with carbonaceous material and in chalcedonic veins with ~~chert~~ <sup>envelopes</sup> of "chert."

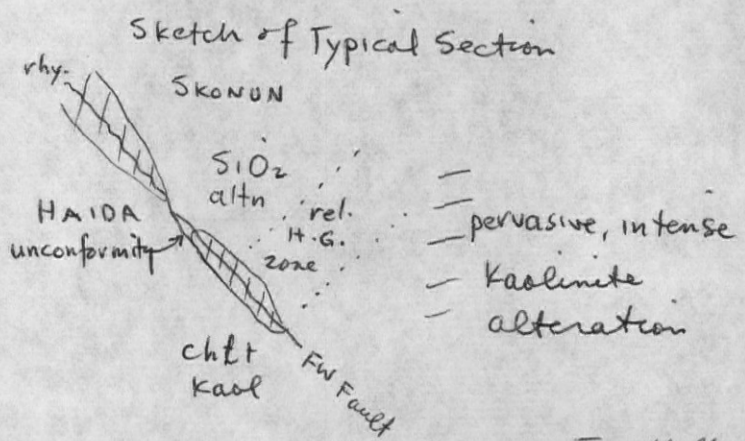
In the mill, which is undergoing pilot testing, <sup>Edwards said that</sup> they intend to ~~take~~ <sup>remove</sup> pyrite and carbonaceous material by froth flotation. The ore is ground to -150 mesh prior to flotation. Double flotation to separate <sup>the</sup> pyritic and carbonaceous fractions will probably be attempted.

Roasting of the concentrate ~~will~~ <sup>will</sup> be done to remove the carbon <sup>the</sup> before cyanide treatment.

(3)

Before the upgraded material is put through the cyanide circuit, it is reground to -500 mesh. The "pregnant" solution is clarified and "deaired", then the gold is precipitated.

Reserves in the deposit are estimated to be 45 million tons ~~at~~ at 0.0502 Au/ton after 15% dilution and using a cutoff of 0.02502 Au/ton. Another 2 MT of reserves are below sea level.



w J. M. Mella

Steve Lacy

Duncan

Cons. Bob Hart

Mill Ed Wong

Gold

13my Skorpion cgl → Cobble

- water source <sup>cgl, sst</sup> - a well  
lots of carbonac. waste

① 1st float - (grate +

pyrite off

Goed in py + carbon

② Filtered conc - cyanide

circuit - first regrind to  
- 500 mesh at overflow is

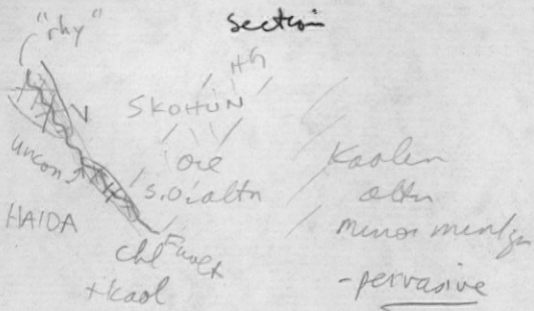
So they add cyanide  
→ cyanide thickener tank

③ Pregnant soln → classifier then  
deaurator then pptd  
circuit

④ Pptd conc → pyrometallurgical  
smelter

Linola . 245MT @ 0.08  
 incl. 15% diln +  
 2MT below SL  
 Cutoff ~ 0.0250 g/ton

Rootwall fault



\* @ "Hona" - but is Skonun

\* may be an EW fault down  
 @ S end of deposit