

Tues. Feb. 18th

We spent the entire morning underground at Craigmont. They allowed 20 people underground. Most of the walls are covered but we did see excellent sections of both ore and host rock. I must say the ore is very impressive. Apparently ~~the~~ chalcophyllite and magnetite are synchronous & ~~are~~ were the first economic minerals deposited. Hematite (specularite) followed shortly afterwards.

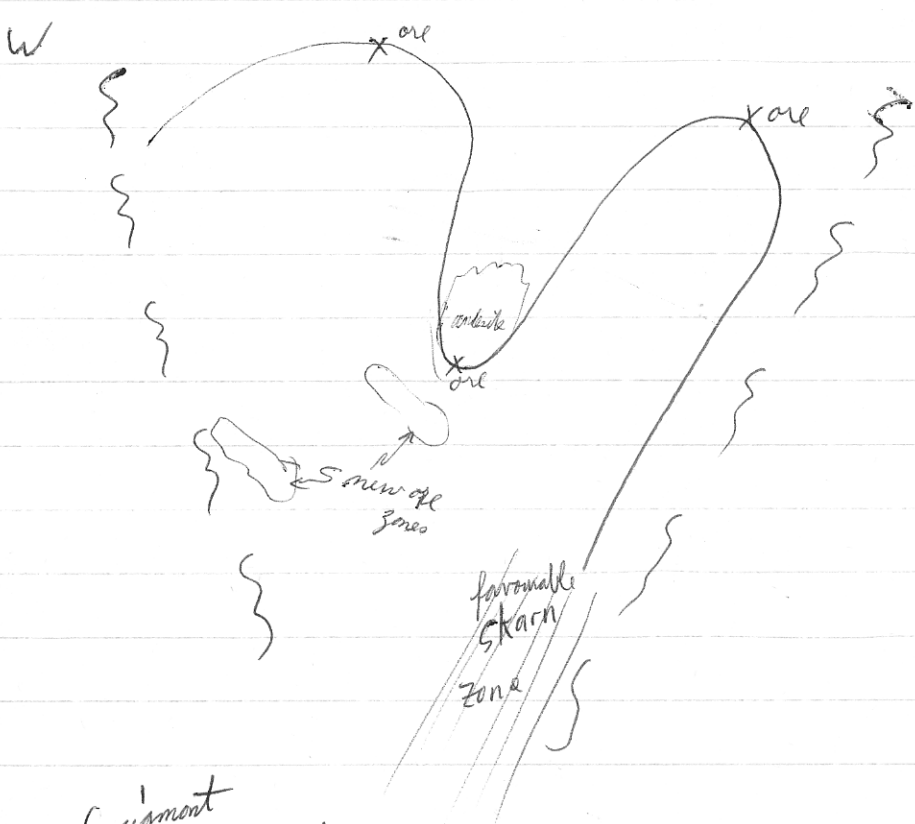
Mining methods were examined as well as some of the old stopes, ^{many of} which are now filled in.

Three separate handouts were distributed. These were entitled "Sublevel Caving at Craigmont", "The Geology of Craigmont Mines", and "Milling at Craigmont".

In the afternoon, the chief geologist (Jim Bristow) took 6 of us into his office & we freely discussed Craigmont & its operation. The rest of the crew went thru the mill & went up to see the old open pit. The discussion with Jim Bristow was most instructive & enjoyable. He went through his "Bible" he gives his new geologists which ~~to~~ explains everything he requires & how mapping etc. should be carried out. It was a very impressive procedure & should keep the entire operation efficient even if one ~~of~~ person leaves etc.

We ~~just~~ discussed several maps, with regard, to structure & ore deposition. Craigmont right now is conducting a detailed structural study in the mine area in the hope of finding

'new' ore. So far they have found 2 'new' small orebodies. By this time, the structural picture ~~looks~~ suggests that ore is located ~~and~~ ^{on} the crests & troughs of anticlines & synclines. In general, the country ~~rocks~~ are anticlinal with a northward plunge of ~ 30°. The ore also appears to be associated with limestone beds.



The geology is discussed in hardout!

Notes: ^{Craigmont} Hass + ~~his~~ using a 3-phase fluxgate drill-hde magnetometer (from Sweden) - ~ 250' sounding - will rent out to other companies

- Now drilling in deep 'favourable' skarn zone i.e. feel that only 'new' ore will be found at depth.
- Fault on west side has assoc. ore (+ bx.); whereas, east fault has no ore per say assoc.