

NOTES ON SIMILCO MINES - FROM TALK BY BILL EPP,
KARLOOFS RECS MEETING 4/91.

1. PRODUCTION TO DATE . 350×10^6 tons (Imperial units?)
2. CURRENT RESERVES . 63×10^6 t in new zones

}	VIRGINIA	- north of 1½ miles
	ALABAMA	

- including 24×10^6 tons grading

}	0.33% Cu
	0.06 opt Au
3. CURRENT PRODUCTION RATE - 25,000 tpd \rightarrow 350t Cu CON @

}	28% Cu
	(0.33% Cu)
4. 'Gressocny' - 4.1 Host rocks . a) Nicola volcs. (mainly)
b) Host Horse altered syeno diorite.
According to Epp Host Horse intrusion has been ignored
in past - he thinks it has very good potential - "a sleeping giant".

4.2 Structure . NW-SE . Main fault system.
- NE . faults. (eg. Summer Cr, Alleque
Faults)
- 4.3 Mineralisation - High grade has E-W trend.
- mineralisation very erratic -
• (65,000' drillup reqd. to delineate 24.6×10^6 tons @

}	0.33% Cu
	0.06 opt Au
- Virginia & Higobelle have very significant gaps in middle
of zones.
- Very close spaced drillup needed.

5. GEOPHYSICS

5.1 I.P. - Old surveys 're. done' - modern equipm./ methods very good for outlining zones.

5.2 Magnetics - excellent for mapping - shows up contacts

6. EXPLORATION PHILOSOPHY / METHODS

6.1 * Data research - much gained from careful re-examination of old records - should be viewed in light of current economics, technology and new geological concepts/interpretations.
(eg's include metallurgy, stripping ratios - - -)

6.2 * Landsat / air photo interp. - successful in identifying controlling NW-SE, & NE-SW structures.

6.3 Soil Geochem.

6.4 Geophysics - * I.P. - good for outlining zones
Mag. " - mapping, and defining magnetic rich zones.

6.5 * Drilling - 'solid' closely spaced drilling essential to allow for very erratic nature of ore.
-∴ exercise caution in downgrading deposit on basis of drill results.

6.6 Careful evaluation of mining & metallurgical factors/parameters

Epp says Simko will share their information - and are keen to 'make mines out of prospects'.

* Particularly applicable to Nicola / Snow Lake exploration