

SIR

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CONFIDENTIAL

887472

Oct. 17/90

- confidential discussion + exam of core with Mark Repagliati, rep. American Fibre (Lewis Dillman)
- other company - Silver Butte Res. - Lou Stark
- Minnova (Alex Davidson, Gary Wells, Ray Dujardin) + Cominco (Ian Patterson) - also present 11:45^{am} - 12:05 pm
- lunch with Mark

- Significant potash, metasomatism (Kspar) !!
- rocks need to be stained (ie. white fsp)
- host rock to mineralization = highly graphitic argillite (mudstone) - sits within felsic rocks ('rhyolite' vs chert)
- ~~at~~ mineralization: stibnite (+ radiating needles), sulphosalts (?), pyrite, native gold, electrum, plus minor base metals
- alteration: Kspar, silica
- sedimentary textures in argillite - laminations, slumps, 'wrapping' around fragments
- cherty-rhyolite clasts in mudstone bx
- native gold is 'disseminated' coarse-gr. in argillite
- Stibnite is both 'feathery - epigenetic' and syngenetic radiating growth x/s. (late-stage)
- pyrite looks syngenetic, but also dissem. (replacement) - remobilized? - some massive pyrite fragments in mudstone bx.
- Key target rock is recessive on surface (à la Eskay Cr.) - ie. between chert-rhyolite 'resistant' knobs
- ore encountered ~ 60 m below surface
- good VLF conductor = graphite
- geochem does not work well ie. low order anomalies

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- 'Discovery' hole 90-30 collared on southern end of property (near South Zone). Previous drilling had been done in area of Central Zone - won't release location until legally surveyed.
- Tylamar pulled high grade hole (> 1 opt Au) just south of Mackay Adit (in ^{40m?} gap (fraction) & in Sib cl.) (Reuben Versa, Ted Yardley)
- dispute with Swift Minerals - i.e. they drilled ~6 holes on Amer. Fibre/Silver Butte ground - Mark has 'seized' the core (minus ~150 ft) + stored at current exploration camp
- currently drilling ~ hole 43 - will shut down for winter soon.
- only one hole into 'high grade' - if step out 50 m in all directions + intersected similar min. = potential for 250,000 tons grading ~.43 opt Au + 30 opt Ag + others
- at end of this season's work (i.e. next week) - prepare drill sites for 1st 8 holes next yr. (est. ~600/ft ^{all inclusive})
- sedimentary epiclastic unit has similar textures (shard-like) to waxy green alt'd rock at Eskay Ck.
- fossils in argillite core (should try to get)
- invited to return next wk. to look at host rocks in core and photograph core!
- alteration front of silica/kspars vs veins
- some 'syngenetic' laminated textures in mudstones
- dip of rocks/min. appears to be steep ($> 60^\circ$)
- dips of rocks change back & forth = structure
- strike ~ NE
- 2.6 mile long structure