

674042

General Delivery
Prince George

Dear Cam,

Am sending you reports? on Susan Lake & Little Fort Area's and also a start on Teapot Lake area.

Susan Lake is a promising area I think but between fresh staking, & the area swarming with prospectors UTAH Constr. & Grant Mascot plus some other outfit, and old staking by Coranex and Anaconda. We gave it up as a bad job until the claim maps catch up and the opposition leave. The new outfits were busy staking and as they had a two day start on us we figured we'd just prospect. We found copper in place in 4 places close together - see map - and started to stake only to find last years posts of Coranex. I think the north & North East border

areas would be the most promising but there was a helicopter working in that area - prospectors or Forestry?

As for Little Fort area Anaconda + Noranda have large blocks of claims on North + Eastern borders. We tried up around Thuya Lakes but had no luck. I don't think there's much promise for anyone else around there at present.

We found chalcopyrite in float and also trace (< 0.1 cu) in place the first day. Have not found too much in place since but have found $\approx 3\%$ chalco in very angular float (I'd be inclined to call it rubble, by which I mean weathered in place). Have not seen any malachite, and the chalco is very fresh looking. It occurs in hornblendite which I think Dr. Bacon considers not a good sign.

However good bad or indifferent we have staked 24 claims on it and run about 400 soil samples - see map. We are sending in the samples

from the lines marked in orange to Vancouver to be assayed and have put a note in with them asking for copies of results to be sent to Bill, yourself & myself. I figured another 2-3 days of sampling for Jim and a couple of days assaying, while I do some more prospecting to see if I can't find some better stuff in place. In any case we figured on registering the claims tomorrow, if you people don't want them I'll buy them and start up opposition. I'd recommend about 100 claims if you go ahead on work, especially on the west and north.

Some of the rubenic acid tests show up fairly good, and we are sending you the results. I figure there's at least 10 million tons of 1% cu here. We've found 1 lb. now the rest is up to you, all you have to do is find the other 19,999,999,999 lbs.

We have no milliliter measuring ~~unit~~ & tried using the plastic spoons for equal measure of liquids but ~~they~~

The spoons are soluble in the toluene. So we have gone back to rubenic acid tests. In the heavy metals is it important to have equal measures of the different liquids. Also how do you tell if the results are positive when the test tubes get so dirty you can't see the liquid.

If you drop out this way we are out the Buckhorn L. road. When you get out quite a ways 30-40? miles from the pavement the road forks - one of many - and the right fork says Teapot road and has a teapot hanging on it. We are at the end of that road.

This is ideal country for a mine. Devils Club all the way and the worst mosquitoes I've seen for a long time. Also the strip ratio should be fairly low. The rocks are hornblendite, argillites, hornfels and diorite. The chalco is disseminated in the hornblendite and is very fresh looking, there is also a trace of chalco in the argillite.

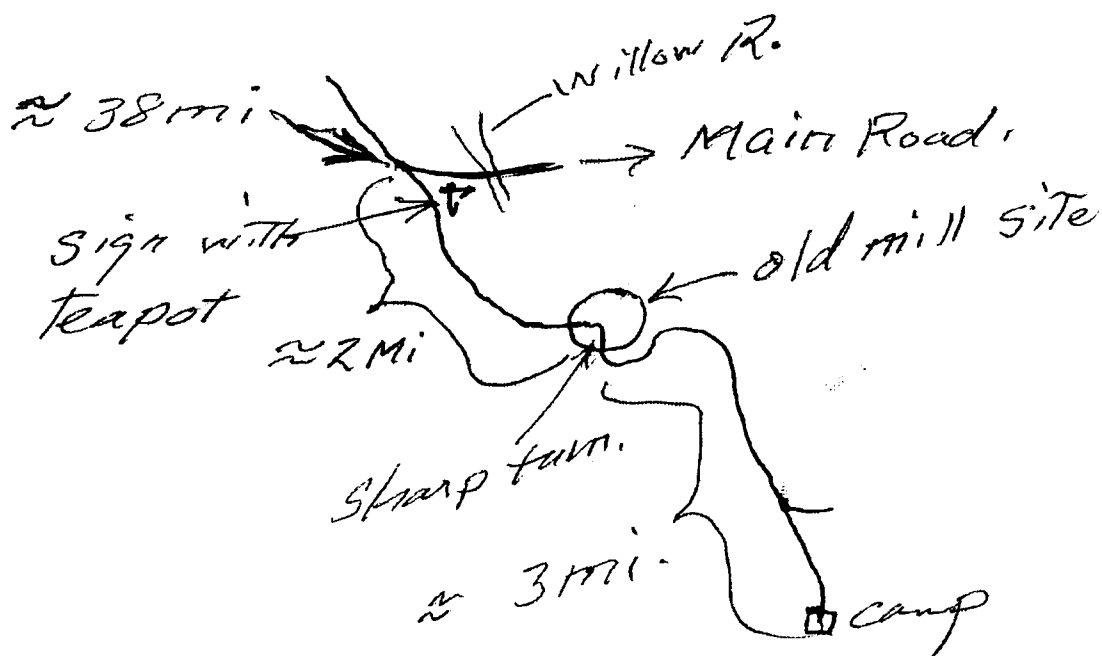
Pardon the rambling incoherence
it ain't malaria from the
mosquitoes, its just natural.

I think we'll be here
~~until~~ for about 5 days or a
week unless we hear from you
and we'll be going to Sinclair
Mills.

Best of luck,

Sam.

our camp is \approx 43 miles from
hard top on Buckhorn L. road.



See over

Susan Lake Anomaly

Prospected above area from May 25 - May 30. Took occasional random soil samples and silt samples wherever possible. I think the north and north-east part of this area might be worth more work.

The anomaly is apparently caused by disseminated magnetite in ultrabasic rocks mainly hornblendite. Most of this rock is strongly magnetic. This type of rock crops-out around the 8000' contour, also just north of the lake $1\frac{1}{2}$ mi. north of Susan Lake and at the anomaly approximately 2 mi east of Susan Lake. The same type of rock underlies much of the anomalous area, with slightly less magnetite. From the 5035' El. Mtn. west along the ridge hornblendite alternates with mainly light qtz -poor rocks, syenite or monzonite ~~and~~ diorite. Diorite? also outcrops in the local high about $1\frac{1}{2}$ mi. north

of Susan lake, and just east of
The anomaly 2½ mi. east of
Susan lake.

No structure or hydrothermal alteration was recognized in any of these areas and no economic mineralization was seen.

Immediately west and north of two small lakes approximately 2½ miles east of Susan lake there is an outcrop of diorite. The diorite north of the lake contains sparsely disseminated chalcopyrite and fractured greenstone and argillite west of the lake contains a large amount of pyrrhotite, some pyrite, and a trace of chalcopyrite along the fractures. There was very little evidence of hydrothermal alteration and the copper mineralization was very low grade.

We thought this was open ground and started to stake it but found it was already staked by Coranex last year. Coranex and Anaconda staked large areas here last year and Giant Mascot and Utah Construction staked a lot of claims on May 22-24.

I couldn't see much sense in our staking fringe areas or prospecting ground that was held so we thought we'd leave it for the time being and go back later if you thought we should. We could hear a helicopter working to the north-east. Coranex had soil sample flags over 3,000 in number and Anaconda over 1200 in number in the area. Some of our silt samples are positive but not strong enough to get too excited. Good silt samples were hard to get as most of the creeks are intermittent and flow only in the spring run-off, their beds are mossy and the water is clear or stained with vegetation.

Teapot Lake Anomaly.

Started prospecting this area June 12. Creeks have much more silt here. outcrop in anomalous area is mainly hornblendite with magnetite. In places there is gabbro + diorite + argillite around edges.

We have found chalcopyrite disseminated in a lot of the float some of it quite angular as if weathered in place. Also found a lot of pyrrhotite (20%) disseminated in rocks near the lookout + also chalcopyrite in place. One piece of angular float near here runs about 3% disseminated chalcopyrite. Have not seen any malachite.

We are going to stake 24 claims tomorrow and run a few soil sample lines.

Little Fort Anomaly

Prospected part of this anomaly ~~for~~ and irregularities along the west side from June 2-9. We took occasional random soil samples and silt samples wherever possible.

The rocks in outcrop around Thuya lake from Eakin Creek to the height of land 3-4 miles south of Thuya and from 2 miles west to the eastern contact range from granodiorite to diorite. Did not see any evidence of one rock being intrusive into another, only gradual variations in the amount of quartz. Magnetite and Zircon? are accessory minerals in the granodiorite and relative concentrations of the former probably account for the local irregularities in the anomaly.

Did not see any hydrothermal alteration or structure. Saw only occasional speck of chalcocite in float and only rarely saw float with K-feldspar alteration along fractures and no mineralization connected with it.

Moved camp from west of Thuya lake to approximately 4000' El. on Thuya Cr. and prospected main anomaly. Rock is serpentized hornblende with incipient veinlets of very coarse brittle chrysotile, and disseminated magnetite. We found only occasional sparsely disseminated chalcopyrite along South boundary of Noranda's claims

I do not think this anomaly is worth further work but do favour the Bonaparte - Mahood Lake area in general.