

CAMP Charley August 11/73

LION GROUP

SILTS - Y-540-545, Y-641, Y-645-Y-655

SOILS - C-123 - C-134

Soil sampling of the claim group by Mark and Don ~~has~~^{is} completed to about 30 claims. The rest of the claims probably couldn't be finished by the 27th so they are going to sample on 300' lines except for 85, 45, 05, 4N, 8N, and 72, 76, 80. This should effectively cover the areas of interest ~~strong~~^{the} 400' coverage and also give an idea of what is in the rest of the claims, if they have time left over they could fill in the lines not sampled.

Soils C-123 to C-134 cover a stain gone on the anomalous creek to the NW. There are ^{small} flecks of chalcocite associated with carbonate veins on outcrop near Y-405 which may be the cause of the high Cu results.

Claims Staked LION # 75 - 84 10 claims
copper # 3 staked on August 8th/73

These new claims cover a third showing that is on the other side of the large hill from the Adit showing. (copper # 3). It has a stain band similar to adit showing running above the Cu mineralization. This showing is the most spectacular showing so far, (sample L-9-20). There are $> \frac{1}{2}$ " chalcocite veins with other smaller veins. Samples could be only obtained from float at the base of the cliff - the showing is about 50' up the cliff vertical face, a large patch of malachite can be seen from the bottom and climbing up passed the showing (it's not possible to get over to it) it appears there are large patches of malachite over at least 20' x 20' area.

On the geology map the volcanic rocks - pyroclastic rocks over →

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could probably be subdivided but would need some more accurate control.

The rocks of the claim group are actually fairly magnetic. Magnetism is apparently related to the deposit stock with the ~~more~~ it become weaker towards the North. The Hornblende-feldspar porphyry (LION 73-74 south) is also fairly magnetic, with some of the andesitic flows more magnetic than others.

Seeing as how we won't have a radio, it will certain that we'll be finished at our next camp on Saturday August 18th and will be ready to move further north. There is still the one unfinished area to the south (The northern extension of Carrell Ridge) this is only a one day ~~work~~ job. There is also the anomalous area that we resampled at 300' intervals (this is also a one day job) if you wanted us to look at it even more closely now that the snow is gone.

Claim # 72 - 84
staked on August 8/73


Jo

* Most of the rock types in the claim group have already been sent into base with ^{locations} here are a few more

Rx specimens

LION Claim group.

(sorry that they aren't in order)

- L-8-3-① - Lion ³⁸ ~~38~~ Andesite - slightly mag trace Py.
- L-8-4-② - Aphan Andesite mod. mag.
- BF-73-8-4-① - Grey congl. - This is just a subfacies of the Red congl. (North of Lion ②.)
- L-6-⑧ - Red Tuff LION 71 etc.
- L-9-20 (several spec.) - from 3rd showing (copper #3 on map) into chalc vein. LION 80-84 boundary
- L-~~6-5~~ 5-⑨ - Agglomerals - Bx ~~LION~~ LION 27, 28 etc
- L-9-⑰ near contact of Andesite + Red congl LION 80 - chalcocite.
- L-6-9 - HbL - Ep porph - magnetic LION 72-71
- JS-73-8-5-⑤ - part of the Agglom - Bx of 5-⑨
- L-6-10 - Arg. Tuff Bx - Lion 73, 74, 72
- L-5-14 - what looks vaguely like a migmatite but is probably a Andesite full of ep-Qtz veins close to the Devote having more than its share of meta. LION 17 SB 

L-6-2, L-6-③ - on anomalous creek
LION 69, 56

Minor chalc on CaCO_3 veins
= probably responsible for high Cu in silts
Zoll C-123 - C-134 are taken along this
area.

5-10 - ep congl - - LION 20

5-8 - ep - Amandite LION 9, 15, 8
quite common

6-12 - Tuff with ^{light} green frags. LION 73 = 74

7-20 - an example of the Qtz vein stockworks in LION 15, 17.

BF-3-⑤ - chl - schist - Catche Creek
E of Lion 77

L-6-17 - Red Tuff _{first} I-71 + 72 + 900'

JS-7-8-7-① - B.F.P. - float on ~~LION~~ west of LION 30
This is the only piece of B.F.P. we ^{-28 boundary}
have seen all summer up here

L-7-17 - W of LION 10 - Traces of malachite
near C-122.

L-7-22 - Hbl Amandite with gobs of Hbl inclusions
LION 18-17 boundary

(3)

BF-8-4-(8) LION 22 Py And.

There was also some ^{Trace} chalcocite seen in the Qtz
stockwork veins ~ LION 17 but very sporadic.

L-7-13 - from intensely oxidized zone LION 8-17.

Camp Charlie August 11/73

Cam:

I am sorry that I gave the impression that we chip sampled from spots. Actually we did sample over the entire 10 foot interval and tried to get a representative sample for the interval.

What we didn't use was a canvas sheet which we used this time. We resampled the section exactly the way we did before using the paint as a base line sampling 6" above + below. Flays from the previous time helped us find the same interval. The first 9 ~~had~~ used the canvas sheet even though the chips had a tendency to roll off the sheet the last 3 we sampled according to the previous method, where we chipped rock samples along the 10' section and directly into the flay.

So I guess this time is a better sample because we got more rock but the results of both sets would probably be very close.

With regard to the I.P. crew: I am very interested in working on the crew and would like to have a chance to operate the receiver. ~~There is no time limit as to how long or I'm available for as long as the season lasts (working for LUC), and I have nothing definite planned for this winter as yet.~~

Jo.