

674077

CAMP AQUARIUS: CAMP #1

TALLA VOLCANICS



MASSIVE, BLACK, FINE GRAINED, SOMETIMES SMALL ROUNDED FELDSPAR
PHENOCRYSTS; SOMETIMES BEDDING SEEN ON WEATHERED SURFACES
(PYRITE ESPECIALLY NEAR CONTACT)



COARSE GRAINED, HORNBLENDE PHENOCRYSTS, HIGH IN MAFICS
HYBRID DIORITE - MONZONITE



MED. GRAINED, OFTEN FENITIZED AND SLIGHTLY GNEISSIC NEAR
CONTACT WITH VOLCANICS MONZONITE \leftrightarrow SYENITE



BRECCIATED SYENITE, DIKE (N-S?) TJ-265, MAY BE
FAULT ZONE



FINE GRAINED, WHITE FELDSPAR(?); DESSEMINATED PYRITE
LITTLE CHALCOPYRITE

looks like a very good, clear cut set of divisions,
the cq. diorite \rightarrow mg. monz "contact"
is prob. diffuse and may not be
as linear if more o/c were avail.
JAL

July 30/71

Dear Cam,

Thanks for getting me the air photo of the CWL group. I will use it for sure for my thesis. If the master's thesis written about the Lorraine is available, could I look at it for a few days?

This area has been pretty well silt sampled and if there is any copper, it surely will be picked up. I picked up the Tapka volcanic contact. The monzonite near it is slightly gneissic and contains some xenoliths but surprisingly few. The whole area has been locally faulted but with no regularity. The two granitic units are distinguished by their grain size and percentage of mafic. The hornblende in the hybrid diorite-monzonite are in large $\frac{1}{8}$ " phenocrysts. The monzonite tends to be finer in grain size and lower in mafic although T-266, 268 are very high in mafic but on more of a local scale.

I saw no evidence of N-S faulting but this may be because of the scarce outcrop in the valley. There is a small zone of E-W faulting dipping shallowly to the south (at least to measure) marked by $\frac{1}{2}$ fractures filled with biotite (?) and having considerable pyrite mineralization (T-272).

The upper in the area is all in

features altered by the addition of potassium
feldspar and of no great concentrations. It can be
seen in the area around JF-29. a fine grained, white
feldspar dike, similar to that mineralized
in the (OL) group was noted, W-267, with ~~space~~^{space}
chalcopyrite and more pyrite. Several sections
were run ~~down~~^{introduced} but with no startling discovery.

I don't suspect much here, but the silts
will tell the story I guess.

Terry ✓