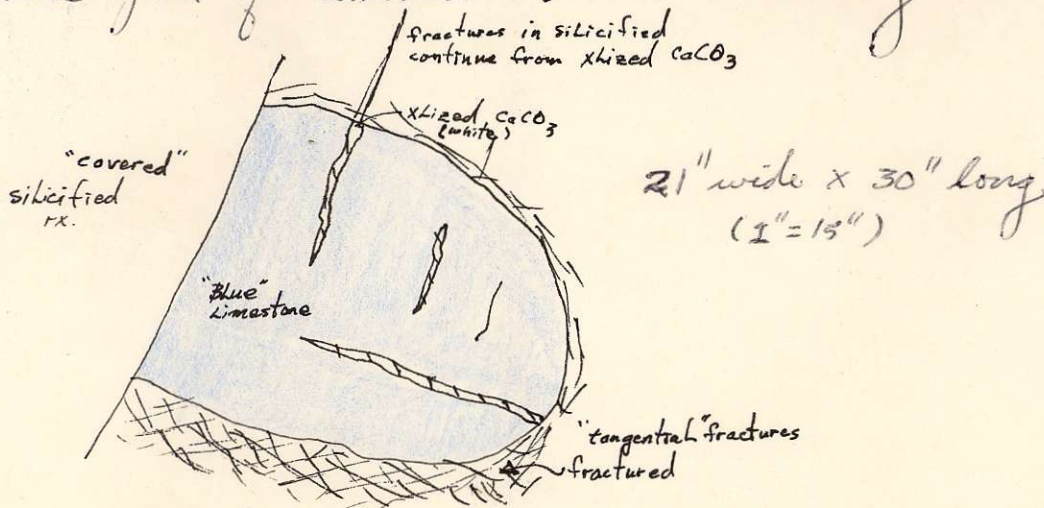


November 29/73
671205

Cam:

Enclosed is a rough sketch of a compass and chain traverse down the creek past the #1 showing on the LION claims. The main reason I think the host rock of the copper showing and surrounding pyritization (2 yellow) is altered (silicified) rather than a rhyolite is the pronounced banding found about 700' downstream (3, blue). About 1500' further down in the slightly graded thin beds of mudstone which I thought might be the unaltered equivalents of the banded rock. (same strike, thickness, overall appearance). I have some slides of these mudstones if you'd like to see them. According to this idea the degree of silicification would increase going upstream to the cu. showing. Joyce thought that the white zone ~200' down from the showing was some kind of highly altered diorite, this could have been a source for the silicification.

That little pod of limestone looks something like this:



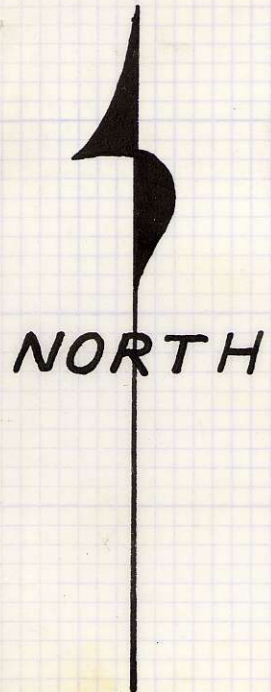
If you were thinking about get a few thin sections made, I could probably get access to the machines at U.B.C.
It looks like we'll be finished around the 10th or 11th of december up here at Holberg. We're set up pretty good here-

Pg 2





were staying in trailers instead of tents. But the lines are along the roads but were not waiting, as good a progress as we should because it rains almost all day.

So I'll stop in at the office when I get back and pick up some of those Northstar specimens.

Jo.

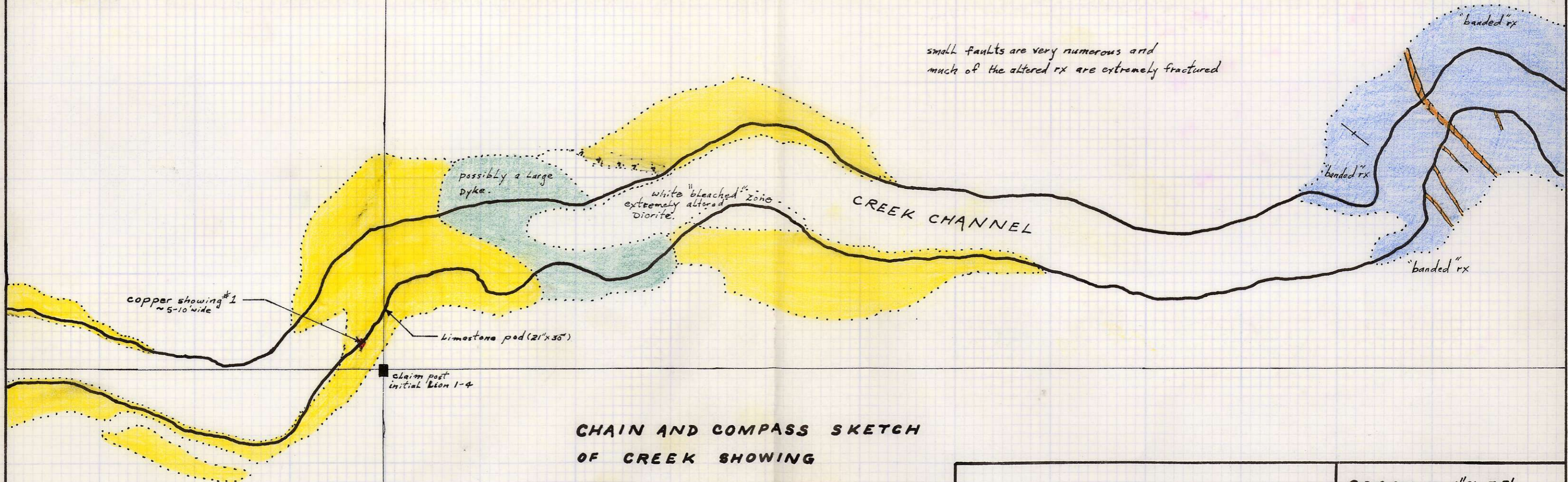


LEGEND

-  SILICIFIED ROCK WITH VARIOUS DEGREES OF PYRITIZATION
-  "FRESH" ANDESITE
-  "BANDED" ROCK
-  ANDESITE DYKES

unaltered mudstones
~1500' downstream.

small faults are very numerous and
much of the altered rx are extremely fractured



CHAIN AND COMPASS SKETCH
OF CREEK SHOWING

<h1>LION GROUP</h1>	SCALE - 1" = 50'
	DATE - NOV. 29/73