

673030

Quatam River
Property

April 2/70

Chip Samples


LOCATION

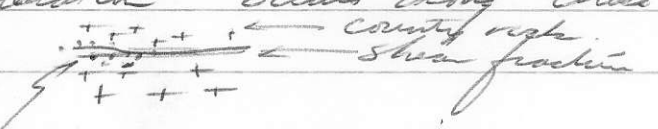
Lower road, @ hydraulically -
stripped outcrop.

Sample (A), 0-5', 5-10', 10-15'

DESCRIPTION - sparsely mineralized, altered diorite.
rusty weathering, & sheared with chlorite &
kaolin along shears. Conspicuous pink feldspar
alteration. Sulfate mineralization very sparse;
mainly $Fe_2(SO_4)_3$ minor $CaSO_4$ 10-15' - this is probably only
5' sample that will kick Cu.

Some Mo in 1" qtz veins but none of these
were encountered across the sample line. The
moly occurs as clots up to $\frac{1}{4}$ " in the
white qtz.

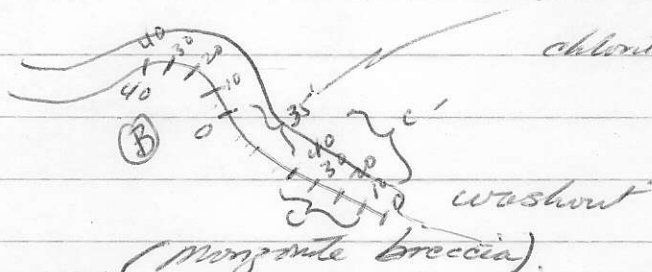
100' + up Cxxxx - pink- and -swell qtz veins
with abundant Mo clots - veins 1-3", pink-
and -swell over several feet  in
form of tension gashes - aligned || to
shear zones (narrow, ~~but~~ stringers of epidote) etc.

Pink ~~to~~ feldspar alteration occurs along these ~~stressed~~
shear fractures  - ^{country rock} shear fracture
pink feldspar alteration

Host rock - mg. monzonite, trending toward
diorite in ~~comp~~ comp.

April 2.

Sample (B) - @ Rusty knob just
before wash-out.



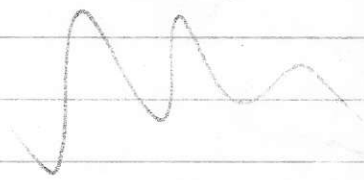
shear along N75W, 45S;
chlorite + kaolin gouge.

General - Xenolithic ~~in~~ rusty monzonite,
abundant ^{diss.} po & py 0-40
10-20 - some minor ep.

Cp is sparse - highest in section 10-20.
Po occurs in some large clots up to 1-2 mm,
Some of it iron magnetite.

The breccia consists of light-colored
monzonitic fragments up to several inches
across (some quite angular) in a darker,
clayritic matrix. Quartz is abundant
in some of the light-colored fragments.
The whole rock is somewhat silicified
and rusty where sulfides are abundant.

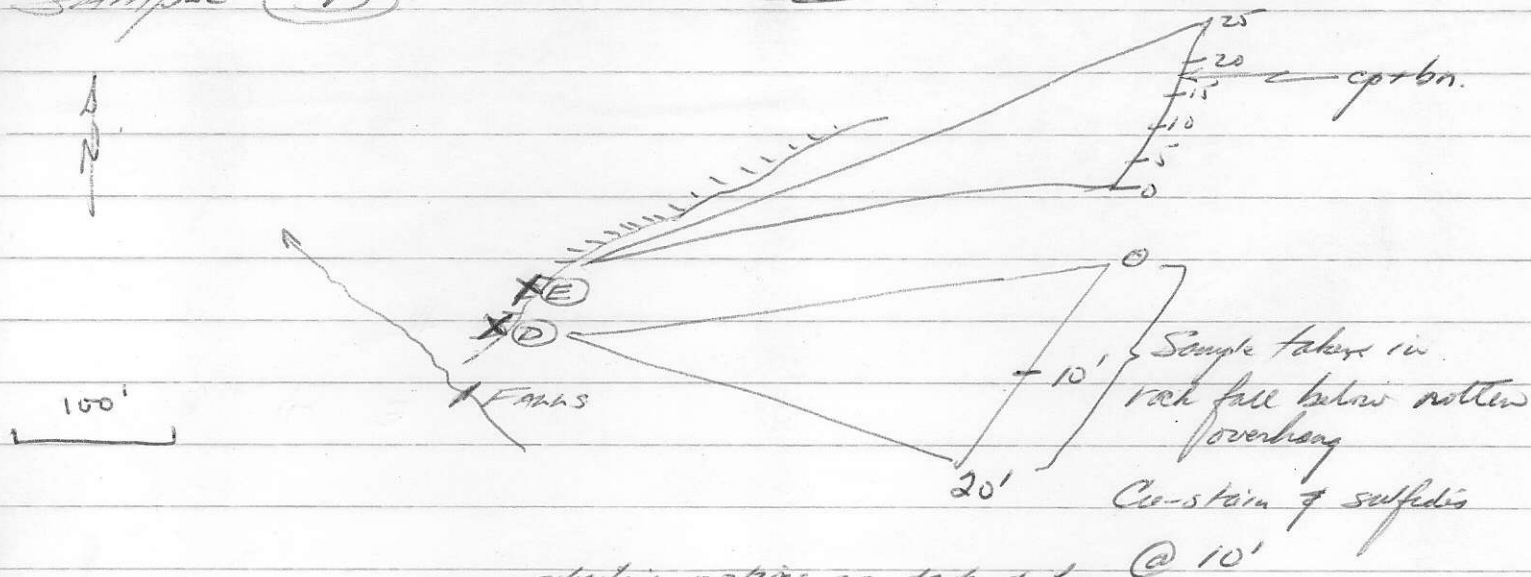
Sample (C) Same rock type as Sample (B), cp negligible,
trace of Mo in 0-10 sample



April 3

Copper Showing - head of box canyon
EL 1360'

Sample (D)



silicified portions on dark & f.g.
essentially m.g. of m.g. with silicified mineralized portions
Rock type - hybrid intrusive (igneous breccia?)
- silicified & fractured
- rusty stained, green Cu stain in spots.
- abundant rock fragments spales off of cliff.

Sample D - from below overhang in cave - copper stain on roof of cave
- sparse sulfides generally, mainly py, minor cp, assays probably very low.

Sample E 15'-20' best section, fairly abundant S, py, cp, bn. Only place that bornite was seen. Other sections, sparse S.

APPENDIX

DESCRIPTION OF CMP SAMPLES

SAMPLE A: Sparsely mineralized, rusty-weathering, altered and sheared diorite, with chlorite and kaolin along shears; conspicuous pink feldspar alteration; sulfide mineralization mainly pyrite, minor chalcopyrite; some molybdenite in 1" quartz veins but none of these were encountered across the sample line; the molybdenite occurs as blebs in the white quartz.

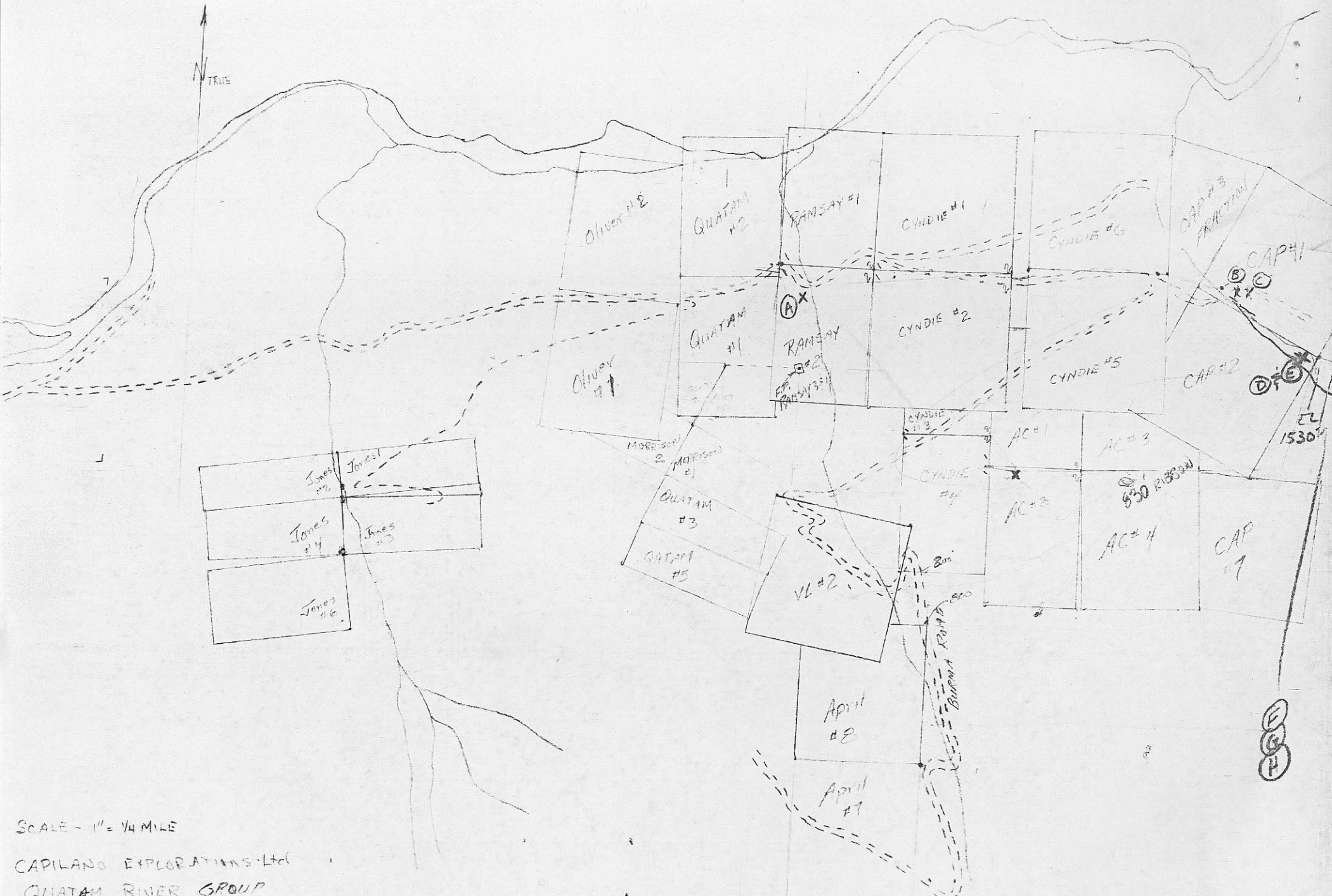
SAMPLE B: Sparsely mineralized, rusty-weathering monzonite breccia; abundant disseminated pyrite and pyrrhotite with sparse chalcopyrite; the breccia consists of light-colored monzonitic fragments (some quite angular) up to several inches across in a darker dioritic matrix; quartz is abundant in some of the light-colored fragments; the rock is somewhat silicified.

Summary & CONCLUSIONS. & RECOMMENDATIONS

Interesting copper mineralization occurs on the south side of the Quaternary river valley over an area of approximately 5000' x 1000'. The copper occurs principally as fine grained disseminated chalcopijite in silicified, ^{sometimes brecciated} dioritic to monzonitic intrusive rocks.

The widespread occurrence of the copper mineralization and the complex intrusive history of the host rocks suggest the possibility of finding a low grade, large tonnage copper deposit.

The property ^{definitely} warrants further investigation for its copper potential. Mapping, soil sampling, and additional prospecting should be carried out to delimit the most favorable areas of copper mineralization within the known zone. An I.P. survey may be effective in later follow-up work to verify the extent and intensity of the suspected mineralization.



SCALE - 1" = 1/4 MILE

CAPILANO EXPLORATIONS Ltd

QUATAM RIVER GROUP

PLOTTED FROM COMPASS & CHAIN MEASUREMENT WITH RESPECT TO SECTION 19

B.C. MINERAL ACT & Statutes 30th April 1970

ROCK SAMPLE CORRELATION

673031
Quatam
River
Property

FIELD TERM

EQUIVALENTS

Same units - may or may not be 93.

Same units

QUARTZ DIORITE

S-1, S-3, ~~S-4~~ S-9

DIORITE-PORPHYRY

S-5, S-25A, S-26, S-27, S-36,

S-18A

GRANDIORITY

S-4, S-6, S-7, S-22, S-28, S-32, S-33

S-34B, S-35, S-37, S-38, S-42, S-48,

DIORITE

S-8, S-10, S-11 (lighter than), S-34A

S-21 x

Aplite

~~Diabase~~ DIKES

S-12 (mg?)

Jones Cr. Grandiorite

WHITE GRANITE

S-13, ~~S-10~~, S-19, S-20, S-24, S-31

(possibly wt-mz)

Bio Granite - c.g.

(possibly grandiorite) S-14

Aplite S-15, S-41,

Pink Granite (partic)

S-17, S-25, S-29, S-30

S-21 } EQUIVALENT TO
S-24 } JONES CR. GRANDIORITY