

Copper Mtn
new mining Pit 3

Cu Mtn intrusion

Pit 3

Dioritic

↳ monzonite bally
pegmatitic

Felsite dykes - Cretaceous

and intrusion + ore

Barker

consistently N-S trending

Pit 3 mainly over old workings

Host Rx -

Mintz mainly in Nicola

Border @ contact

Fract. cont'd

Fits NNW, ENE

Entrus we - contact may

not be sheared - visually not
easy, but assays cut off sharply

Par 2

- Lost Horse + VOLCS $\frac{1}{2}$ - $\frac{1}{2}$
of monzon
- Lost Horse mainly diorite

DEPOSIT TYPE

Skarn? Diorite host

ppg cu

chrs. =
• Magnetite zoning - ^{geol.} not sure -

Par 3

Intusive contact dips steeply south - ore follows it

• generally bn \rightarrow cpg \rightarrow py zoning
but not true in detail -

• Ore contours
NW and NNW
Dykes barren ~ 20% of the pit

• Dykes of pegmatite - bio kspn bn
locally

Ingenhelle - rd high Au, low Ag

Pit 3 - low Au nel high Ag.

4100 Bench

Pit 3 - stop 1. Within Cu Mtn

'Diorte' cut by pale colored
post ore dykes

Diorte - fg slightly chl

contains apatite & thurite

megacr 40% biotite + hb?

looks a bit foliated

Sample magnetic

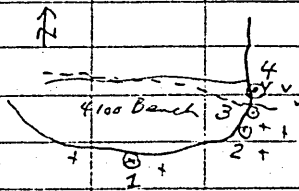
Dykes - vfg pale tan

vfg gt = xls

East wall - cpy on fr vfg

alt vfgs

cut by pink cal - by ^{veinlet} ~~veinlet~~



LITHOTECK

- Samples 1 - "Fresh Diorite"
- 2 - 50' from contact
- 3 - near contact
- 4 - volk near contact

STOP 2 3900 Bench

- sample 1 Dior - alt dior -> biotite Ksp on fracture
- 2 Rock (volc?) with bio-Ksp vein

STOP 3 4000? + really 3940 Bench
 near north break CR volcs cut by peak t

black dykes - (photo)

- samples - ep on fractured
- bio Ksp on bi
- bi Ksp on ep cut

alt - ep veinlets

* N. break - prob go into the diorite

Mining 21000 TPD of ore
Total 55000 TPD

air - 2 cut off

air - 45 avg

Mine life 3-10 yrs (now
working on 7yr pit)

Pit 1 - small reserves
~ 0.5390 Cu

Trucks 100 + 120 T

Part 2

Lost Horse contact was
there the pit

We stopped in Nicola -
Lost Horse on either side

Lunch Break

(photo)

Jagun / Trin Guide / Chris etc

with dykes cutting East Horne
keyed

Local massive py - cty pods

Local Bio py layers + magnetite
barite

Fs pyritic clefts suggest old
dyking

near PIT 1

(photo) of Ingershell

pit 1 Highly pyritic (dissemin) fg

diomite on SE wall

py - carb - ep. veins have
bleached halos