

~~88-79~~
1988 FIELD NOTES

896478

Field Trip -

Noaxe Road Section -

Silverquick
unconf?

Lizard-Musc - rich turb.

Hb Plug Ppy dyke

- Stop ~~Planed~~ Bridge R clefts / turb layers -
Silverquick??

stop! / Bridge over Tynghton Ck

Pyrox basalt (avg ppy) -

cradled grt - carb - zool veins

apparently overlying microon -

weathering conglomerate (Silver-

quick??)

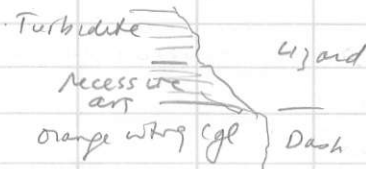
'clefts cgl / Bridge R.

Nagay
~~Man~~

Lizard

mica. turbidites

right way up



next Sliver of young arg chip
quake fl bounded -
BR cheits across fls

· BNC 6a?

· JG Relay?

KG Sackass?

- LUNN -

Helicopter Trip



Strategy - Taylor Creek

BASIN CENTRE

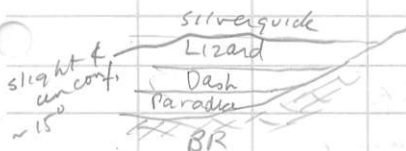
Basin Centre

micas sst - LIZARD

orange cgl - chert phale - DASH

Paradise

BASIN MARGIN



Silverguide - Fluvial

Flow E → W

eroding BRT Cret.
units on edge of basin.

(>10 km.)

very large overturned
panel - not sure where
other limb is located.

• * Silverquick involved
in overturning, nappe emplacement
ie Definn front advanced
on non-marine basin -
how deep?

PROVENANCE

E derived cherts

at Zofelds mat'l W derived

DASH - mostly W

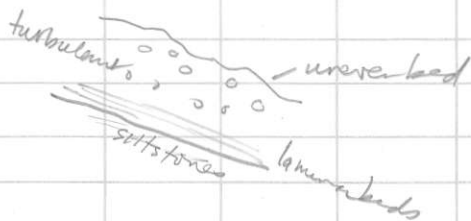
LIZARD - mostly NE

Cgl pulses represent
thrust pulses

Area with boulders
of blueschist +
chert - definn in
BR pre-dates erosion
+ cgl form.



NEXT STOP - LIZARD
shale (siltstone turbidites)



Germansen Area

88/7/14

WJMcM / F Ferri / D MacI

STOP 1 Phyllite with ^{local} v f sst /
siltstone Interbeds

Phyllite has antekite
ppy roblasts - mostly w/sg

SLIDE MTN

STOP 2 sl cal siltstone interlayered
with dk gray wispy bedded



siltstone ~135/70NE

STOP 3 siltstone pebble cgl - mainly
volc frags - not much re-
working

Layered & foliated / flattened?

56P 0 - old Showing - Motherlode

Bl phyllite, local bleached

qtz veined

local abundant antiferite

ppyroblasts

veins. Φ Py carb

low to high Φ to folia

on Giermansen R - 93N/25?

Minor tetrahedrite + Cu ^{carbonates} oxides

Trivial galena

Pb Isotope sample

By the river - vein is red flat

lyons - stungers cut folia

@ high Φ

CR bleached/pyritized

Xenos in vein bleached

+ pyritized also.

after lunch

carbonate against altered

all ppy IN slick Mt

phyllites

next pods of serp. in fault
zones in black phyllite -
often placer ops are above
the phyllite basement

orc not previously noted - on
main road

and ppq local amyg patches
cut by carbonatized, bleached
zone

✓ (photo)

SNIP

Steve Kennwood
 Tim Tremurdy
 Ian Paterson

CR mainly felds(?) wacke

ore gtz - py - gold - arseno
 pyrrhotite (not abund.)
 (lessen cpy, arseno)

• gold -

veins cut foln, || to foln.

- streaky bio cal rock - blonde?

gold found
 with
 streaky
 unit

sericite + annite + chl - all green

✓ (PHOTO) upper portal

Crackle gtz unit has vg.

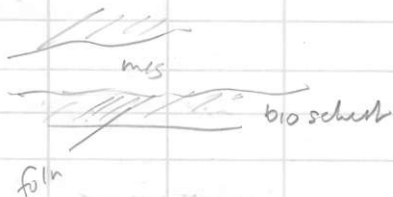
SNIP

(PHOTO) - Stn - plane - cracked plane

Red Bluff - Back

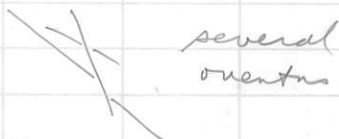
✓ (PHOTO) crackle bx - cal / chl / py /
 arseno / cpy

↓ 12
photo m/s bands - py chlorites
bio pods/stingers



Py veins + m/s are py xls +
fs py

↓ 13
photo bio rich rock cut by
carb. stingers

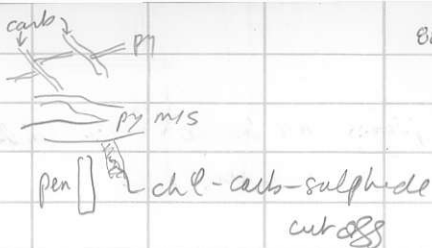


↓ 14
photo Fibrous Carb veins cut offset

py stingers but don't
penetrate py masses

Cal - chl cut by py +
qpy brg veins

Rock looks silic + biotite but
not well foliated.



- open space filling cal - py -
ankerite veins
-

? folded gtz + py veins with
assoc carb-chl veins + ^{bio} alter

- sulphide layers locally folded &
may develop incipient cleavage
axial to folds

- CR seemingly lower met. grade
than mineralized zones -

- mesothermal deposit?

- 15 ✓ crackle networks (photo)
- pyrrhotite carb chl gtz ^{zones}
 - minor galena / black pyrite

Porral - CR bio - rich -
Epid. pods

on road

Rolled gt. veins
bleached

many small veins



↓ chl sch.
↓

Highly pyritic chl sch. ss

SETTING

SEA zone

CR Espan Ppy

Red Bluff
↑
silicified

Twin
zone

Skyline
x

Skyline
Road zone

metased CR
(quartz / ch. schist)

similar to Twin.

Prospecting

contour soils

soils w. Au as

Gold controlled by late structure

Cloudy/cool/showers

88/7/16

TRIP IN TO BUG LAKE

Tungco

~~Hinfield~~

Dave Caulfield

Pilot Gary
N Mtn.

EQUITY
ENG.

CR pyritic (fs) and the
cut by qtz - py - ~~pyritic~~ ^{mag} veins
that are cut by mag veins
Warrathah Property

CR bleached adj + vein
vein pinches + swells
~160/steep

- shears - chl alt

- 'flat' lying crackle
veins - assoc
chl alt.

CR locally fragmented

(photo) on the trail

Former Dupont Prop
78/79

Picked up because of strong NE
structure 040°

1987 Grid but structures run 11 +
X lines! ~130° (120 - 140°)

generally 50-90° dip
NE mostly

Showings: Swamp #7 Bluff

Qtz - chl gangue Qtz veins
py mag arseno spy
NO pyrrhotite
cut + py = gold

Further out

gal sphal ± arseno

~.01 - .1 Au higher Au

assoc carbonate

Coast Intrusive - to east west

Golden Arrow

Cold Bug - west side
less grt higher py
strong chlorite

Cu - an mesothermal
system

"agglomerate" country rock
fs pyritic
volc ash → blocks

Wackes + siltstones to west
(also see Pb/Zn there)

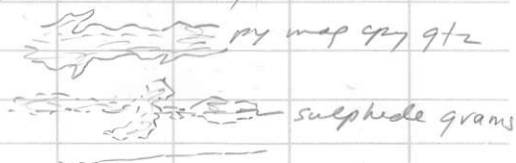
+ same as HW at Inel - adj. to
massive sulphide
@ sed volc contact vs sulph. volcano-
genic?
* Same as Mt Johnny?

- some grade out into chloritic
wallrock

- orthoclase pyg
plag pyg with scattered cg
Kspar xls
assoc with fold geochem.
matrix Kspar-rich also

Bluffs

Banded Qtz + py-cpy - mag
layers Qtz-chl-py



pyrite - cracked fq layers + xls
(Swamp)

Qtz - mag worm veins

Vng filling locally - pyrite xls
- Qtz - py - mag (7)

• mag / VLF / EM but v. weak

* agglomerate is plag phytic

New showing

Badger - cpy blebs
202 an

Drill plan -

7 zone probably

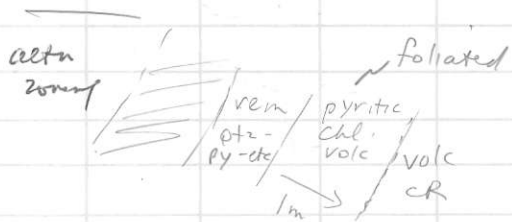
Then Gold Bug

- gold/silver ~ 1:1

WINSLOW -

Host vx in sed

lots of Pb/Zn better ag



SNIP Core + Underground

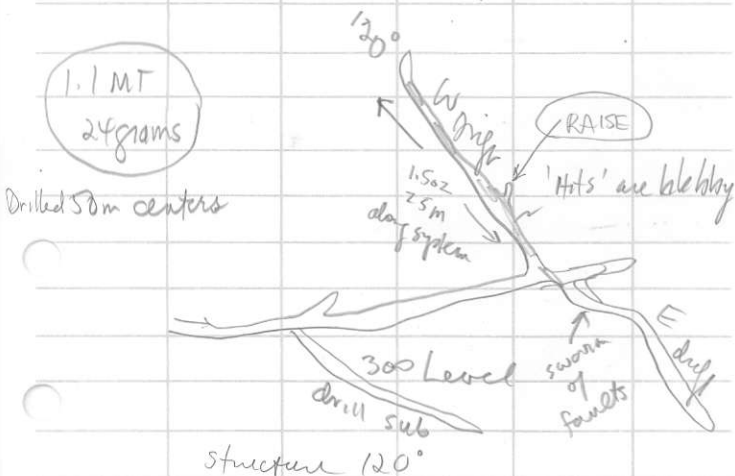
Host Massive felds. wacke
E-W / 30° N Beds

Shear System -

contact sharp

Twin zone

Two bands, wacke between



1st yr 13 holes

last yr 72 holes

Surf work - 2 more

showings / same street

In raise - large Z-folds
then zone flattened -
on large fold limb?

180 m level -

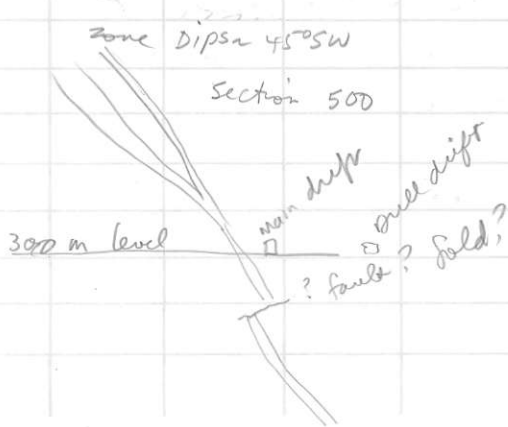
now ~ ~ 750' - well
go to 1500' then stop before
the zone

TYPE 3

① calc streaky

② cradle Qtz

③ calc sulphide



strike 700m

vert 500m

open at depth

no surprises albeit 'vein' has
folds - in.

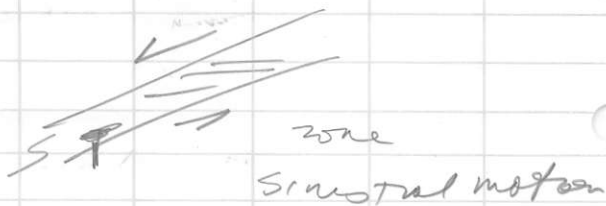
-
- at least 2 sets of gashes
 - matrix is calcareous rx
+ biotite altn.
 - sulphides folded.

Underground

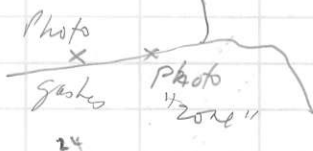
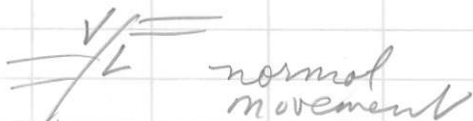
- drift trend varies near
portal because of
shears at low ϕ to
extended dir'n

✓
2x (Photo) Cal gash fills
away from zone

✓ (photo) 23



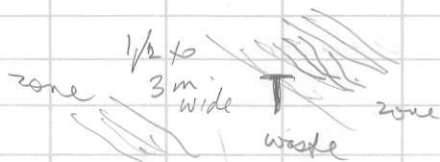
Little faults - gashes



✓✓ Twin zone (2 photos)

Hammer scale

wispy → poddy molyb



~ at the raise

✓✓ (3 photos) folded m/s + CR

carb py ± sphal

pyrrho



West Drift

→ photos of folds

look NE



up raise - several

✓✓ (3 photos)

zone



look down

✓ (photo)



Fault zone

✓ (photo)



East Drift

hit pod of M/S

Drill hole was

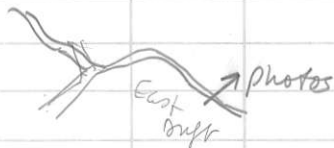
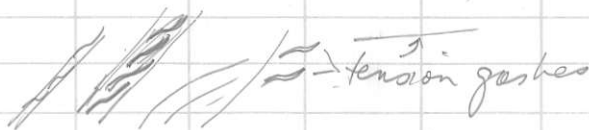
8.3m P 2 1/2 oz (83 gm)

- almost N-S

NOT Twin zone

✓ 2 photos of "HR" but - East
 drift - end of film

wispy CR / foliated /



younger cul - ant scumlets

- outside - new film
 Ektachrome

✓ (photo) Banded qtz - py - sphal

✓ (photo) Bleach + ankerite blebs
 ± pyrite
 + carb - annite
 (chlorite? biotite?)

✓ photo layered
folded / carb / br / py
green + carb rock

to Skylar

Pilot Dave

Geologist - Jim Smith

Silic. matrix - py cry splashes
local ZnS patches local PbS

Main ore zone 16 vein

NW-SE (at 45°W) NE 70° dip

2/4
Pickle Ore zone

Gold Rush zone
1/1/1

Morraine

Drill into
x 16

Old Camp

Geology underground on 11 Level

Discovery vein

CR almost all ksp

Heavy m/s

Not much gtz but
grades better where
gtz present

High Cu = low Au

Sharp walls

avg .5 but get
better + wider loc

Flts a problem

steep - bigger offset

gauge

low ϕ slips

Flat late antifer

veins

bio ksp altn

m/s .4oz

gtz rose ~1oz

Stope $1\frac{1}{2}$ - 4 m wide
 Discovery of 1129 Stope
 (Cloutier zone)

CR Kspen bio py
 original rock unsure -
 Gneiss - cataclastic
 Stope runs $1\frac{1}{2}$ $\frac{7}{8}$ Cu

Ag 1 - $1\frac{1}{2}$ oz Ag ^{avg/ag} Ratio 1:1 \rightarrow 1:2
 avg < 1% Zn

④ (photo) Flat flt offsets
 (Otr vein) (undulate)
 \sim 1 m usually

- cut by bx in steeper flts

⑤ (photo)

6 ↓ (photo) Zephram \sim 1 m wide
 cut off by flt later

Go to lower levels
 1075 m level

7 ↓ (photo) of ladder

Down
 ladder
 39 steps

16 Vein - faulted off

(3 photos)

faulted off at

end of ~~cut~~

1015 Drift on 16 Vein

a series of minor offsets
is typical as you approach
major faults



H9 Samples

small veins of gold

Rodes

volcaniclastic

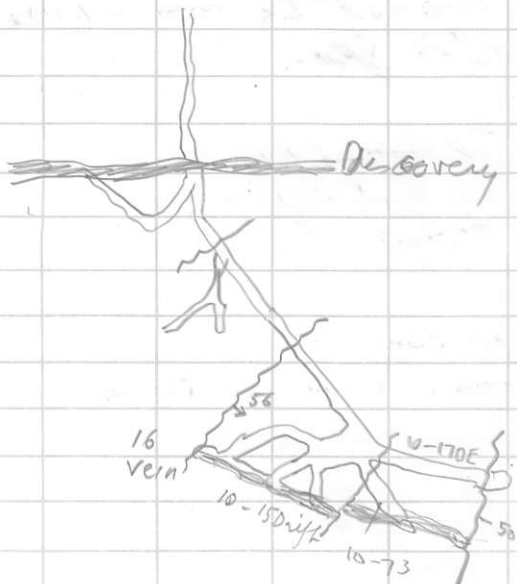
1cspn altn

- vein -

1cspn altn

Fs ppm - massive porcellanous

fs bio ppm



SSB drill indic. 570
 Reserves 237 000 + 200 000 inferred
 mill head .7502

1.8 Au 0.8 oz Au

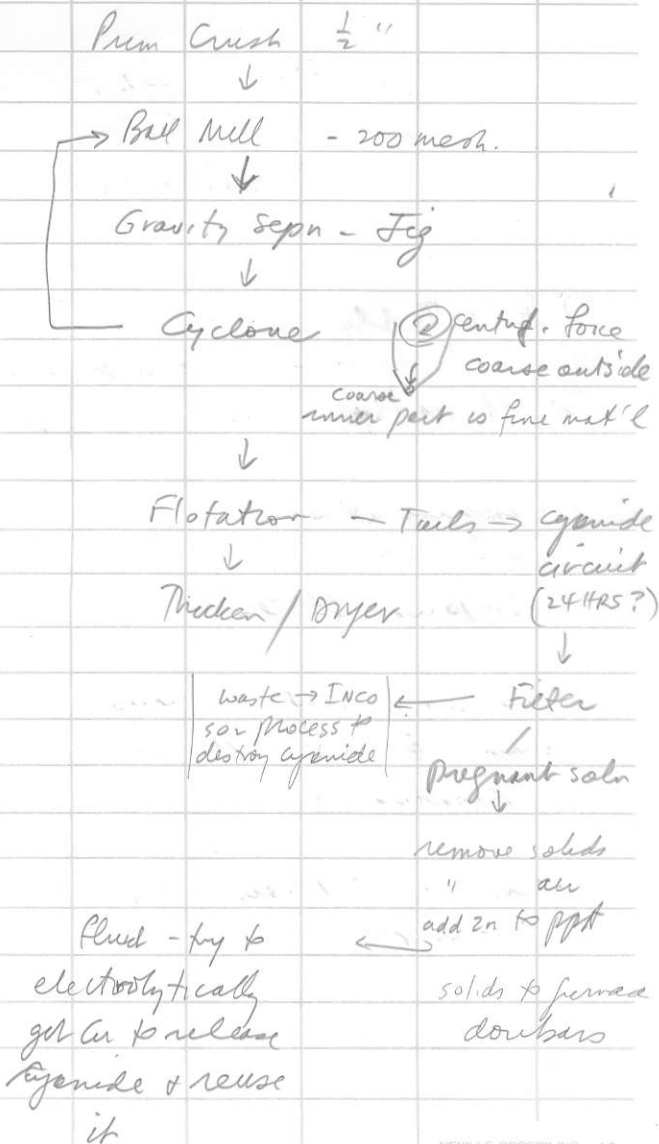
24.9 gm

46.7 gm/T Ag

- ① Jig + Table 100000 gm/T Au
to be recovered 25% of Au.
- ② Flotation Au + Ag some Au
- ③ Cyanidation → Dore Bar
Predicted Recoveries
95% Au 85 Au + Ag

Take concs out in nylon
bags to Wrangell →
P. Reupert (Barge)

- Runs 40 T / hour 5 hours
Feed
- mill 7 days / 24 hrs



Paul Carter

Skyline → Gulf's McLymont
Pilot - John ^{property}
(N. Mtn)

Patrick Gannon / Vancouver

* references for the area. (sent ^{data}
88/7/26)

CR Silic. argillite - two periods
of silicification
Rock bleached
carbonate veins

Encouraging results

NW Grid

Camp Grid W ~ 3 holes

Camp Grid E - present
program -

87-29:36' of 1.602 Au - from
in NW Grid



Rocks

Messiss. Lat / large crinoids
Sediments - locally siliceified

↓ Siltstone / sst / cgl

↳ And. agglom

younger

Qtz Ppy

Diorite

K-T

Qtz Monz - granite

Ankerite

mafic dykes

Py - Qtz - cgl -

Grande contact not
menlyd

menly later.

Ground Preparation

Early ank gel zn

later gtr spy ± Mo

* minor bante in NW area
late meneral?

in Vuggy Pt veins.

• gypsum in NW zone also?

Paleo. STIKING ASSEMBLAGE

core Silic zones - possibly
silic. pp4?

Bxtd

chl alter

Bleached - matrix brownish
remnant greenish fs x15

starburst text. in magnetite
 granular calcite, some specularite
 cpy pyrite
 Black. "sst" alt to fm-gray,
 fq, banded

DDH12; 50-75

• locally @ Monz - carbonate -
 altered - all mafics → pinkish
 color - cut by rustyankerite
 veins

→ Potuck Tennen Proj. Geol.

* Gulf Minerals

301 625 W. Hastings

- send FAME Report

for McLymont Creek

could not
 still
 confirm.

Bob Darney

Chuck Ikona

But sent
 covers + notes
 earlier.

→ Forrest/Kerr Camp

Pam ^{ICON} ~~services~~ (val services)

Kestel Resources

Robin Forelaw

Tom Hageman

High Clouds

28/07/18

Greg Dawson

Continental Gold Camp

Doug Forester

also Ian Patterson / Bruce Mawer / Sam, Victor,
To Galore Ck Tom, Derek, ? Gunning

Core logging - system described

Bio Ksp or Gyp Garnet

ubiquitous

all called Hf's

Logged major-less-less approach

HBOil + Gas - 1955 - Prospectors -
but Buckoetz

Dendritic Creek - malachite

in creek bottoms

Kennicott

1959 bit geochem response

HBO + G dropped most claims -

Cominco got involved

Then Kennicott

Eventually got 10 zones -

Main zone

125 MT - 1.06% Cu 0.4 gm Au

~ 7 gm Ag

Dave Bant + his crew did great geological job.

Junction, W Junction, West Rim,
S. Butte: size range ~ 10 MT ~ 2%

'Died' - the HBOG got back in &
did ~ 200 drill holes - defined
one zone.

Rocks completely made over.

Add - near airstrip
- awful ground wsw drive

Collapsed sheets, facoliths
? fragmentary dykes?
Tremendous bx bodies (pipes)

ore

Strike N-S / plunges North / series
of flat stacked lenses (controlled by
permeability)

Late stage - waters oxidized →
anhydrite - locked system -
- then hydrated → created
"poker chip" cleavage -
flat-lying - now gypsum
gone above water table

- below 'gypsum line' anhydrite
cements the rock together

Late Bx pipes - magnetite - apatite
cement - post at Mintza
- contain epidotized syenite clasts.

4 main syenite intrusions

① Dolost: Dark syenite ppy

Biotite altered } good ore
Bxt'd, ment'd } host - Bornite

② Garnet-syen. ppy - only ment'd
along margins - cuts ①
50-80' sheets

... garnet could be primary...
- biotite altered

* locally get pseudobrookite + analcite
w/ phonolitic undersat'd magmas

③ ^{probe} Fg syenite ppy - minor
pyrite - cuts ①+②
POST-ORE

④ Epidotized sy ppy
minor pyrite
Post-ORE

But cut by magnetite bxs

Grades either > 0.3 or "zippo"
often 1% \rightarrow up to 4%
bn-act - cpy (NO) magnetite

Altered zone is large -
caldera collapse?

- surrounded by pyroclastic
andesite pile with monaxite
beds or orthoclase xk tuffs.

- very little pyrite - halo 1-3%

... A VOLCANIC EDIFICE -
submarine \rightarrow subaerial

STUHINI CIR (Triassic)

- local skarn-like alteration. BUT altered
andesite is the source rock.

Bx cont'd
wipe-out
bx

S end - more late ppm's so

grades poor

- gold grades better to N
- zone plunges N - fewer wipe-out porphyries.

[see CIM report for details]

S - andesitic pyroclastics

N - ~~see~~ pyrox basalt →
phonolites

altered

• Fluid paths - controlled
by struct / bx / permeability

- more lithologic (permeability)
control northward.

Rock

- Biot patches map patches (not
common) cpy ± py blebs

GRADE -

Black to good

Rocks

Dykes - diorite (mg)

Kspar megacrystic sy. - access. garnet

Pseudoleucite ppy - melvalc.

garnet biotite "hornfels" after

/ pyroxene basalt

andradite (Ti-rich)

/mg

Black bio-rich Hfs after and. tuff

3-5% cpy ± bn + gold values

? Ian Peterson

is Aureole really up to or is it Jar?

BUT Monotis in sed near fs & tuffs

is definitely

* * * * *

[SNIP - gukes have quite a lot of

Kspar as clasts]

[Jurassic? * * * * *]

Spotted 'Hfs' - metasomatic rock really

White Kspar with spotty cpy

Kspar 'Hfs'

The biotite Kspn garnet
alt is relatively cg so a
mg 'granitic' textured rock may
represent the altered volc
rock -

local areas of less alt
allow you to interpret
the original rock.

* Dark cyan pp - biotite altered
matrix + Kspn partly \rightarrow biotite

TROPHY

Bob Lane

Sylvia Hemrich

Doug Forester Peter Reed

Mapping Trophy 1-4 claims
Will drill there soon

structure - A B C
D E zones
Ptarmigan zone

Hummingbird (old-silver standard)

Eagle - - - - - new

gal sphal arsenic py

Monzon Orient

010 - 040 trending structures

also 100 060

R volcs - and pyroclastics,
massive tuffs; local R fossils

"Hickman" intrusives ^{star cummado}

① Monz - syenite (?)

Volc bx locally porpho - rich -
some carry Au

Here gal / sphal + gold

But gal / sphal in 1st is
dead

are major
fault zones

Qtz - ^{chalcidong?} (Tow) - cpy - mag
bx 035 trend

Fe-carb - gtz marks
major flts but a 'dead' or an.

Axerolithe bx - is it a
Bx pipe? or is it conglomerate
or agglomerate?
→ monolithic bx

We landed & had lunch on
the 'C' zone

- other rx

Chert or rhyolite
limestones

younger felsic or Fe carb dykes

Menzon

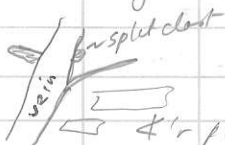
Dissem - older

Veins - 035 orient - younger
 'cut' 'cgl' cut monz
 + clasts in cgl

About 50 m from Monz contact -

Bx with angular, tabular frags

photo



cut by carb veinlets 035°
 Ar + perv. pyrite

325° gouge zone

gouge is mainly pyrite / sulphides
 cut by 035° veins (cgl - sphal)
 sulphides - sulphosalts / electrum
 gold / arseno (325°)

(photo)

"Conglomerate" cut by veins
010-035° of Qtz - carb -
gal py sphal

Clasts - gray f.g. xenolithic
dacite (?), monzonite, aug ppy,
etc.

Debris flow?

not stratified

- altered, pyritized
(Fe carbonate)

A zone Rusty - yellow silice
bleached alter zone with

'boulders' in relief

gal sphal tetrah
py electrum/gold
silver sulphosalts
Qtz - ser.

B zone

carbs - sulphide veins -
bleach halo

cut + alter pyrite-rich
clasts

Carbonate altered

photo Note Check at end of hammer
handle - vein w/ bleach halo

Trend 340° but put key

035 veins elsewhere

- photo no Johnny

BEAUTIFUL CLEAR WTR NOW

Travelled to Skud Strip then
down the strike + across to
Dan Allduck's camp -

spent evening on maps +
rocks + BS'ing.

88-7-19

Sunny / Warm ²³⁻²⁷

Dani Alldredge's area

Camp 2 km E of Tom McKay Lk
+ 1 km S of Red Bloss

Dani / Ian / Todd / Colin

Pilot - Mike Dorsey

Freq 162.45

Cateas Mocheni

stop 1

Silic. gtz veined bleached
gray felds. volc
phenos ~ 30%

Bleached, silic andesite pp?
or dacite?

stop 2

Silic bxfld white → nearly black
silic matrix

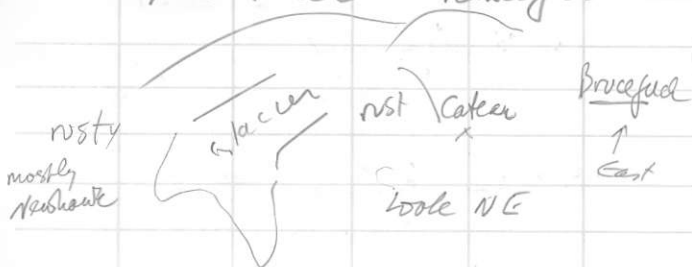
local sphal / tetrahedrite

stop 3 Pillowform basalt with
local waddy layers
sl. pyritic but red fresh

— end —

— Enroute to Kerr
property

series of photos of
glacier + across valley
to Cateen + Brucefield



Then Kerr ground + rusty hill
+ camp

Kerr Brian Butterworth

N-S trending aen zone

Kerr Prop (WCM - Western
Canadian Mining)

Altn zone - W + E limits
well defined
ser / qtz-ser schist

- Primary textures shot
- West dipping seq of vales
ash - lap tuffs

86 Mapped

87 Continued

volcanic tuffs intruded by
and, fspy, mafic, 1th Prop
dykes (orthoclase)

West siltstone unit
east " + cgl unit

Led into zones by soil geochem
> 700 ppb anomalies

Mike ~~Smith?~~
Jerema

(A) (B) (C) + (L) zones
also P + D zones

drilled - not encouraging
but hit 2m of .3 gold
A zone

B zone Cu > 1% Au .1
in a zone 200' wide
- in a fault zone

Focus is on A + B this year.

Cu zone

orientation unsure
may dip westerly

All dips are westerly?

Orthohercynite - foliated in part
several episodes?

- some pyritic + altered

- alt. zone cut off by thrust
to west (west side up)

Minerals: py cpy
→ cct, native Cu

Mineral styles

- Qtz py cpy veins
- Ppy style mineral

Mineral related (?) to ppy event.

K87-8

core - mineralized flt
local rusty zones

carry mal, covellite

Rx closely fractured, fractures
leached - dessem + vein
pyrite

cut by later and. dyke

cct. remns cpy; cct veinlets
native on fractures

Half 88-1 Qtz ser py zone with local
cct on fract - local native Cu

cut by f₃ ppm dyke -
chloritized
cut by veinlets (calcite)

88-4 silicified - gray-green
pyritic
cut by and dykes -
-sl. altered + gtz veined.

near w edge of zone -
py-chl altn + phl in gtz
veins

88-8 local zones of silic
multilitic pyritic
bx - seen to Red
Bluff. - IN ASH TUFF.



Look SSW

rusty, alt seds

↑ seds
uphill



22000 ppb Au

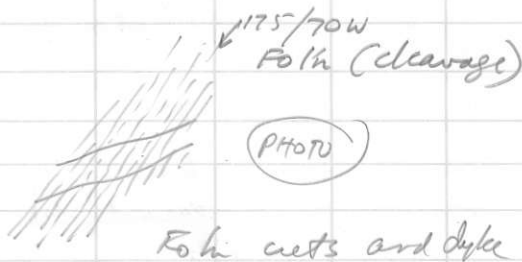
Cu ~ NIL

py in gray amorphous qtz
 CR bleached gray pyritic sed
 also cut by py. feldspathic dyke
 Thin bedded cherty (buffaceous?)
 (magnetic) rocks

↓
 massive gray fq granite? full?
 gray grn weakly pyritic

B Zone

andesite dyke



and - act to chl

qtz veined - vuggy

Fol 145/80 yellow bleached
rusty w/ing foliated gray
dissem. py rock
qtz veins - rusty cores
cut foln @ low x

PHOTO across glac to
Brucejack lake

Hb - needle dyke - qtz veins at
border - apparently banded
strong foln @ contact
- now isolated lenses

Dyke trending $\approx 160^\circ$ (sample)

B zone - not foliated -

but edges probably affected.

Above the rest, B zone are
red massive gray metavolc
rocks - tuffs?

and fg green (pale olive)
tuff? (local Kspar x15!)

On the way down saw foliated
Kspar x1 feldspathic dykes

High Clouds

88/7/20⁸⁸⁻³²

To Sulphurets (New Hawk)

with Bob Hewson

Brian Butterworth

Tom Brown

Norm Tribe

Dave Lefebvre PHOTOS

Andre / Tom

camp

X

✓

Brucelake Lake

Look westaly

Tom Brown

John Michel

Chris

Marie Hgr

prints ✓

PHOTO

toward adit + west zone

✓

PHOTO

shattered ck with many
qtz veins

- seriate qtz altn

minerals

cal onk

sphal galena

ruby silver

Stockwork + interlocking

qtz

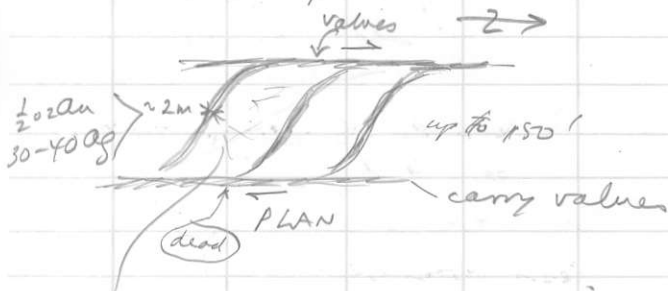
Qtz - carb veinlets

Local carbonate veins

pervasive w/ carb vein

(photo) Qtz veins - blebs of
 honey sphal
 Sample on top - layers
 of Qtz py sphal ruby silver

West Brucejack zone Norm. Trike
 - Sigmoidal vein configuration
 - arms on loop



py ser Qtz cross cross veins
 .04 Au .202 Ag

Shore zone
 repeats same pattern

Galena Honey Sphal Tetrahedrite
 Ruby Ag

gtr carb veins

not abundant

carbonate veins to N

& south

? Why? E-W veins

carb. gtr

Rock types in zone are
v. difficult to determine.

Pervasively sericitized - Dave
Budge did great mapping
job (traced into zone from
less altered zones).

- Not sure if Betty Cr or Unuk R.

- CR Graywacke?

- Syenite plugs to N + S
mg altered

- Boundary flt left lateral
offset?

- "Premier Ppy" to N

altm

Silicifer with + adj. to
vein



qtz - ser - py

outward per - py



chl or ser minor py

minor K spar but not
important.

Underground development -
Extensive

Levels 1350

3 X cuts

3-4 drifts

1300

Some

Both off decline - one portal

Bucejack Lk 1478m elevation

Reserves $1\frac{1}{2}$ MT

43 is West zone + Shore zone
+ Gossan zone



Rocks slate
 sst → Hfs | seds ①
 arenite, cgl

seds + volcaniclastics | ②

Intuswes ③+④
 alk fs ppy sy
 Hb fs ppy sy
 younger Dykes

Lampyroglyre } ⑤
 Hb ppy
 Andesite
 Hb sy

Silicification (6)

Qtz veins / silicification

Ser / py altn

Undergrd Tourn - T Brown

NW-SE Shear zone

E side of shear

rel fixed

Tension fr oblique
to shear → Qtz veins

+ Au, Ag minerals -
several phases

Ruby silver veins in
tension fractures

several generations
of mineralization

① Qtz - low sulphide -
py gal sphal
electrum silver minerals

② Ruby silver, high
sulphides

see tension zones / shear zone

most tension features

roughly // - but dips +

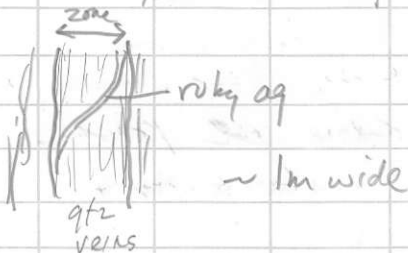
strikes do vary

~ E-W ~ 30° to

shear zone

1350 level S2 drift

≠ PHOTO of vein ~ roof



cymoidal loop?

multiple veins - younger ones

are ore bearing

PHOTO - roof

- Down decline -

to 1300 level

Some veins have many CK
inclusions

Massive gtz - low sulphide
avg 75° SW dips

130 - 505 1300 level
level section
Venn - main shear ~ vert
- strikes ~ N40W

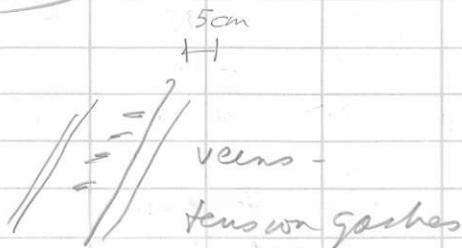
Tabular gtz vein
with ore shoots
shoots convoluted

Veins offset locally by
later ~~for~~ faults
fairly low $\&$

Local late stage
carbonate veins -
some are quite
coarse by \times line

generally - gtz vein zones
 "fade" out - if ~~not~~
 no gtz veins, then grades
 go to virtually NIL.
 NO GTZ = NO VALUES

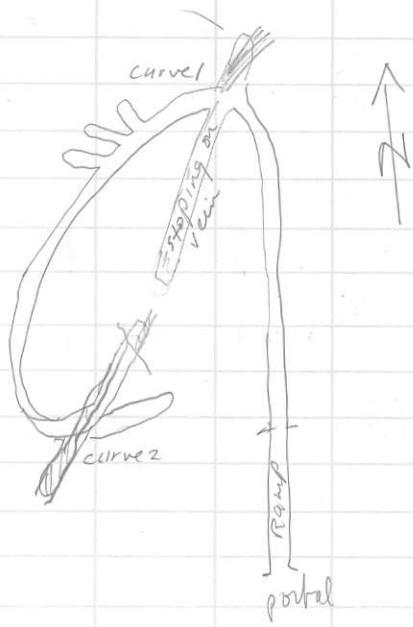
PHOTO



To Catar Property
crew ~ 16 Erik Ostensoe

Geology Has a mill
Higher in system than

Newhawk ?



Golden Rocket vein - main vein

Fragmental Andesite

variably foliated
clasts sand → cobble size

Variably sericitized + pyritized

Vein

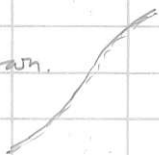
- offset - usually dextral
- in domin. ser - talc

rodes -

local barite but not
seen in place (eg xls)

- vein seems to bend

as shown.



- molybdenum - ELECTRUM - not gold

local gal sphal tetrahed

Underlyed

minor ruby silver

- molybdenum in ser - py altm zones

- ore in more silicified

zones

The zone is strongly silicified
but not really as veins
albeit small ones occur.

Zone ~ 3m wide
but ragged at Curve 2
~ 2m.

photo of silic altered
zone

- lunch -

Discovery HA trench

300 tons mined (low carbonate
veins)

- silic. gtz veined zone with
rusty per alt, leached
wallrock

035 / 75NW

zone ~ 3m wide

* other name GOLD WEDGE
PROPERTY



Smithers → Mt Cronin - 88/7/21

Don took Andree to the airport.
Traversing with Don MacIntyre

on the hill - cold → freezing; rain → hail; strong
wind - bloody awful

stop 1 Ryodac → feldspathic dacite

Then field? pencil cleaved
layer of ash?

layer ^{about} #20 113/21 SW

working along ridge

Contact scds over ppy
- looks like a leached
regolith - poor 'soil' developed
overlain by massive rock-
flow?

Down the hill - thick section of
green-purple plag ppy flows.



~~AGI~~ Submit rly for
K/A analysis