

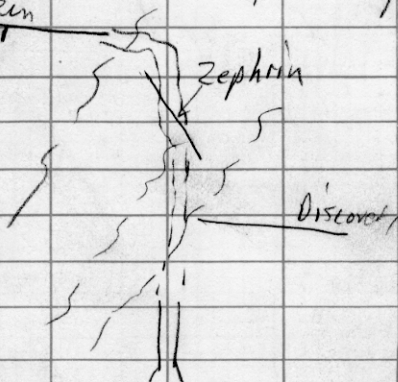
887119

104B107

July 17/88

REG

- Jim Smith, Harry Skoglund
 vein 516 Vein

125 Level

~53,000 tons of broken ore
 @ .75 opt Au

Mill - Chris Sadeko - Orocon Dist'n

		Cu%	Au g/t	Ag g/t							
Feed	200 MT	1.3	24.9	46.7							
Gravity Conc.	12.5 kg		100,000.02 (25%)	25,000.02 (3.8%)							
Copper Conc.	8.84 MT	25	316 (55%)	810 (76%)							
Dore			55%	35%							
Tails		.2	1.3	7.3	<table border="1"> <tr> <td>Au</td> <td>Ag</td> </tr> <tr> <td>157</td> <td>57</td> </tr> <tr> <td>5%</td> <td>15%</td> </tr> </table>	Au	Ag	157	57	5%	15%
Au	Ag										
157	57										
5%	15%										

- Fly Cu conc. to Wrangell
- Then barge to ~~the~~ Pt. Rupert
- ✓ then to Van.

Inc SO₂ system to testray
cyanide (i. royalty)

REG

June 18, 19/87
Cloudy, foggy

Jim Smith, Roy Davis,
Chris Dave Yeager

16 Zone
~~16 Zone~~

100m to east along
cataclasite
Zephyrin - total kspar

- 50m holes only below drift
- 2nd level ^{planned} 15m lower than drift
- lack of continuity? in Zephyrin Zone due to intense faulting

→ Sig. 'flat' faulting - very little if any displacement is just a nuisance

→ ~~1987~~ - drilled ahead on 16
Vein + encountered a complex fault area with ab. water in abandoned + trying to drill ahead from a round corner.

- have not found enough ore on one level to justify prod.

LEVEL (S)

R. D. PENHALL LTD. MADE IN VANCOUVER, CANADA
DUKSBAR WATERPROOF

- grad resampling job done, 3rd yr, but assays pending (panel samples)
 - 25-28 lb samples from small ^{super} drill in panels = very labour intensive; ~1/4 inch material collected in tarp (crise fraction discarded)
 - Devel. 90m along Cloudfier Ven (~150m tested from surface)
 - Devel. 150m along 16 Zone
 - 'Discovery' zone - to do another raise at east end
 - 'erratic' gold dist'n
 - suggestion of better grade adjacent to flat faults
-
- photo (with pen) = Zephyr Zone (suds)
 - " of high grade V.G. in 16-raise (before - raise + ladder)

Private Geology Rpt. by Grove
on Mt. Johnny 1981

- base of Johnny Mtn. = Lower Jurassic
(= Unuk/River Fm.) - overlain
by U/C Lower Middle Jurassic
(= Betty Ck. Fm.)

→ major structure - E-W trend
with dips to north

- sheared + indurated rk. (volc.)

- phyllitic, schistose, coarse cataclastic
text.

Lower Unit (Unuk R.)

- intercalated phyllitic grit, siltstone
→ thin rhyolite

- andesitic to rhy sp por of
'crackle bx' type

→ "persistent automelan textures
= sills?

→ no sig. min. in Betty Ck Fm.

2 Types of Min

- 1) Cu-Au
- 2) Pb-Zn-Ag

recommended
budget for 1982
of \$1.1 million

→ Also report on INVEL property

R. D. PENHALL LTD. MADE IN VANCOUVER, CANADA
DUKSBAR WATERPROOF

OVERCAST, COOL
SNOW!

Wed. Aug. 29/84

BONANZA SHOWING (3)

Elev. 2710 ft

40 ft. long trench parallel
to strike ($\sim 130^\circ$). Rx. dip
@ 45° to 60° S

- well foliated - argillic to
meta-arkosic (i.e. no gtz eyes)

MIN. cpx, po, py, ZnS, PbS,
tetra, arseno? ~ 3ft. wide?

haunted by Myron

- tough hike up + down slope

BLUE ZONE - same rx. - along strike
to west but mainly py
in gtz \pm ser schist?

Ted Grove thinks silver mineral
is stephanite.

Host R.

- Lithic lapilli tuffs + dacitic por.
of Uank R. Fm. - overlain
by lower Mid-Jur. volc-sed.
Betty Ck. Fm. (4/c).

Strike NE / steep NW
Faults - NE + SE

- Alt'n - silic + sericite + py
+ blotite + kspar
+ carbonatization (ankersite)

Min. PY - CPY - ZnS - PbS - po
- mag - arseno - native Au
- silver sulphosalts (tetrahedrite,
stephanite, pyrargyrite)

Reserves - probable:

Cloutier Zone 57,000 tonnes

@ 14.71 ppm Au, 22.4 ppm Ag
+ 1.53% Cu

P-16 Zone - 6,700 tonnes

@ 34.9 ppm Au, 28 ppm Ag + 1.38% Cu
possible - 40,000 tonnes @ 11.18 ppm Au, 43.5 ppm Ag, 4.32%

R.D. PENN LTD. MADE IN VANCOUVER, CANADA
DUKSBAR WATERPROOF

.. TOTAL RESERVES (Tonnes)

Probable 63,653 @ 16.84 ppm Au,
22.9 ppm Ag, 1.41% Cu

Possible 40,789 @ 11.18 ppm Au,
43.5 ppm Ag, .43% Cu

Placer-1984 Rpt. by Robert Young.

Placer gold potential

.5 ppm average over 260,000 sq. meters
(-80 fraction av. = 1.5 ppm Au)

Photo - claim posts - 1962 (G. Camsell)
[Drill in bkgrd]

Tour on 28th - SNOW, FOG, etc.

- 1) PICK-AXE ZONE
- 2) P-16 ZONE
- 3) CLOUTIER ZONE
- 4) CORE - unpredictable Au zones
- 5) McFADDEN-DRILL - new set-up - older - below
- 6) McFADDEN FLOAT
- 7) EAST END - PICK AXE ZONE

SUIPPAKER AIRSTRIP

Aug. 18/83
Reyn, cold

COMPANIES

- ① Pamicon
- ② Onaping Res
- ③ Active Minerals (Chris Graf)
- ④ Emergen (Arne Birkeland)
- ⑤ Gulf International (Can Scott)

R. D. PENHALL LTD. MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

METRIC FIELD

- MJ-83-1 Silic. volc. + py (dissem.)
(A)
- MJ-83-2 Massive, coarse py with
(A) silic. volc.
- MJ-83-3 as MJ-83-1
(A)
- MJ-83-4 Andesite w dissem. py.
(A)
- MJ-83-5 Py-ZnS-PbS in gtz.
(A) (sa. R19)
- MJ-83-6 ZnS-py in gtz.
(A)
- MJ-83-7 Massive py + minor ZnS
(A)
- MJ-83-8 Py + silver sul. in gtz.
(A)

RAIN
SNOW
COLD

Mt. JOHNNY ① Mon. Aug. 27
Tues. Aug. 28/89

- fly RWA - Smithers to Terrace
- fly TPA - Terrace to Snippak
- flew via Alice Arm up Kitson R (over Torbrit) thru Stewart
- over Premier - Indian - Silver Butte - Scottie - Big Bend
- up Frank Mackie Glacier
- west to South Duck & thru King Ck. to Snippak
- Luca Riccio / Bob Gifford
- Pilot - Dan Guest - Northern Mtn
- Myron / John

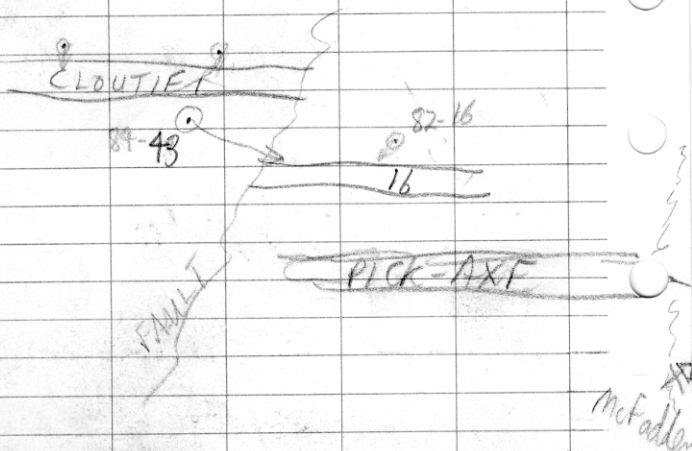
1989 Drilled 3 holes on Cloutier zone (fill-in); ~~4~~ holes on McFadden Glacier (2 abandoned) - probably drill 2 or 3 more off of glacier in search for McFadden float

- Arctic Drilling

D. PENHALL LTD. MADE IN VANCOUVER, CANADA
DUKSEAK WATERPROOF

METR

VLF has outlined (traced) all zones very well (see sketch)



- Cloutier zone looks most continuous, (albeit stringer-like portions)
→ 1984 drilling showed a blank between 2 test holes
- 16 zone gave best intersections (eg. .5 g/t Au)

- Pick-Axe zone - discontinuous

- McFadden zone - ~100 ft. of ice, then 100 ft. of till (Drilled 2, abandoned 2)

New zone - BONANZA zone - with tetrahedrite + .58 g/t plus gold

Intersection of 2 structures is good loci for more massive min. (17-CP)

Mt. JOHNNY Aug. 18/83

Photos - Pick Ave shown

DDH-82-16 (+ 83-26 to 28)

→ Zone diff. than Pick Ave

- Camp + Clutter

- "16" Zone (camp in block)

Skyline (Giford) - wouldn't allow us to see any core!

(Prob. because of lack of mineralization!)

To date (1983): ~1500 metres in 12 holes.

Best intersection

✓ "Too small for Placer" ¹²

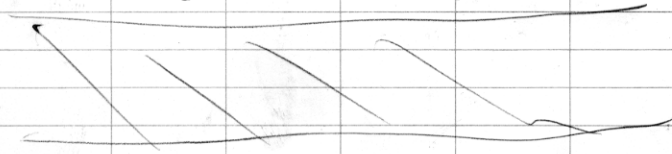
83-27
3' of 5.26 g/t Au

photo

CM1

blue bands

cluster
zone



photo

MT. JOHNNY

Thurs. Aug. 18/83

Rain, cold

- Bob Young, Bob Gifford
- Alvin + Vic Prots

~~late VLF~~ ^{VLF} shows all mineralized zones well

- Stringer (vein-replacement) min.
Assoc. with silicification

- also biotization which gets
obliterated by silicification

(1) Cloutier Zone

(2) Pick Axe

(3) '16' Zone (DWH 82-16)

(4) McFadden float zone (Drill)
DWH-83-32 - In Stray copy
DWH-83-33 - 'wildcat'

- VLF extends Pick Axe zone
east across 'McFadden' fault
(contains gneiss)

McFadden 33
Fair Zone
Flora

