

METRIC (S) FIELD (S)

GRANDUC

104B 021

Sun. Oct. 2/05
Sun + 80°C

.PM

- Bell Resources
- Flight in/out (with Bob McKay, Granduc serv.)
from Troy Flats staging area (Ed Salmon)
8 km. one way, straight west (over 6 km)
- Host(s): Don Harrison (contractor) Exped. Dir.
Tim Marsh, VP, Expln. - Bell Res. [Tim - works with Mitch]
- (Camp on Leduc side, right on old Leduc airstrip) Pilot - Shane (Powell R. Inc.)

→ Ste. 1780 - 400 Burrard St. Van., BC V6C 3A6

Tel. 604-669-1484

Cell: 480-570-7077; Home 480-986-7193

Email: timmarsh@cablenet.com

VANCOUVER, CANADA

883606

Started drilling ~ Sept. 10/05

- 1/2 way thru 4th hole during visit
- when finished in a couple of weeks, → 5 ddh > 2000m (all holes thru glacier between main Granduc orebody (northern) and South zone min. (S of glacier))

Photos: DDA-05-01: A Lens (cpy + po)

- Budget ~ ~~100~~ ¹²⁰ (total)

- Because of late start (due to lack of financing, (Research Assoc.?), a lot more target to test in 2005
LOVERY

Deposit-Type: Cu-Mo, symplectic VMS
(Besshi-style) - à la Windy 69999
Prod: (1968-1984) - 15,42M tonnes
(Nevmont (1966) resource = 39,442,453 tonnes
@ 1.73% Cu
Prior to Closure: Res. ~ 5,083,178 tonnes
@ 1.84% Cu

100% owned by Bell Res., subject to
2% NSR to Glencairn Gold Corp.

Lower to Mid-Jur. - Hazelton Gp ~ 185 Ma
Late Triassic - ~~Stuhini~~ ~ 231 Ma (mine series)

- Bell Res. has its own XRF hand-held
field analyzer

→ Granduc Road 'recently'
graded, topped with crushed
rock + rolled → best ever!
(part of \$900k gov't grant)

Ed Kruckowski says Mountain Boy Minerals own
the first kilometre of the Granduc tunnel
Company checked out 4/6 workings = fine!

GRANDUC

Sept. 3/80

①

- genl. Paul McQuigan
+ Rob Beckett
- Surface tour over Granduc
Mtn.
- Start on west (H.W.) side
+ walk down section
into F.W. (east)
→ excellent outcrop section
- Upper Triassic (Tarkenton?) sec.
angite ands. flows and
angite phono, XI tufts
in F.W.
- ie à la - Tulsequah, Anxox, ^{Buttle} LK.

GRANDUC

Sept. 3/80
(2)

dust-XI

① Gash bandedⁿ tufts in HW
- 800 ft above 'ore'
(Granduc Mtn.)

② Phase 3 broad folding
in above
- looking along phase 2

③ Gashing in above

Gr-80-2 'Mine Series' flat

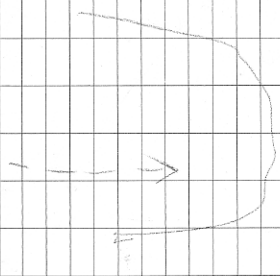
Pic. Dirty 1st with Qtz gashes

Pic. Phase 3 folding in XI tuft
above Leduc portal

Pics Gravity - mining subsidence
cracks

Pic. Looking north up trace of
"F" ore body

Pic. Dirty 1st ^{immed} above ore
horizon + overlain by HW ^{gash banded}



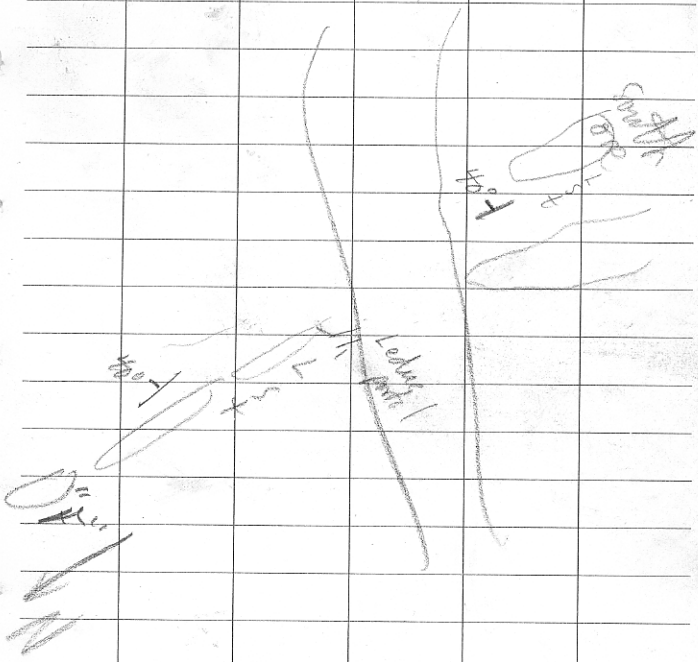
chert
and

subp

MW

H.W.

Grand Ave
M.W.



pic - "F" zone min. on surface

- Exhalative - type deposit

pic F zone dip to west

3 Phases of Folding

F₁ - tight, steep

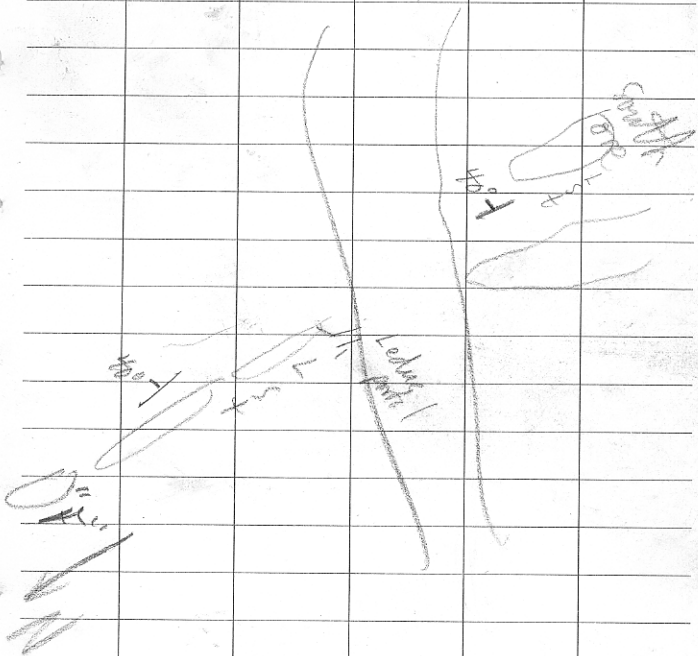
F₂ - steep

F₃ - rel. flat

pic 1959 camp near
Discovery stop

pic - Discovery stop
(Malachite)

2475 drainage level
(old snow slide camp)



GRANDUC

May 17/78

- Wilson Gewargis / Tony L'Orsa, John Fraser, Lynne Warren, Kevin Coswan

~ 10 Adh (550' - 1000')

flat + uphill from 2600 level

ITINERARY - morning

2810' - portal - glaciers
to 2930

BL₁ → BL₂ back to 2600'

Pic.

1 + 2

8 PDS

2660 level

banded py + po + cpy

Pic - outside 2810' portal in metaseds ✓

Pic. fluorescent

Portable ⁿ isotope analyzer

Pics. 2670' - 2 block

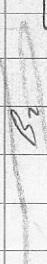
'fresh' ore face (folded) with massive cpy-po in metaseds.

- sample of gtz. dio. dyke which
spreads Block 1 from Block 2

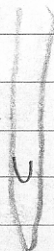
Pipe conveyor belt from
crusher up to 2600 haulage
level.

typical plane
view
shows ore hz
in meta sed.

unloading
of 10 ton
cars



F.W.V.



North
↓

F Zone



metased.

June 8/79

1 hr to Meziadin

- Nordere camp + skipway
unbelievable!

- up American Ck & then
just a round corner → Drilling on
Mountain Bay

- Pic. of Red Cliff (gossan)

→ Premier mine

Packer Gp. - below Granduc rd.
above Summit Glacier,
(part of Big Missouri mine)

Granduc

mill heads this month:

1.51% Cu - best ever

av. of mine to date:

1.28% Cu

- 2600 drift (new) - unsafe due
to back & sidewalls caving
from horizontal movement?

- Kirkham & Sinclair visited -
samples of magnetite & chert
= "volcanogenic"

Big Missouri
Premier
Riverside
Stewart area
Anyoy
Aitsault

①

Nov. 16/76

GRANDUC

6:30 am. Catch 'cummy' at King Edward Hotel

7:30 am Arrive Tide Lake camp
Snowing heavily + fog

8 am Go underground on 'train' for 11 miles (approx. $\frac{1}{2}$ hr.)

talk with Chief Geologist, Paul Jurcic for about 1 hr. in office underground. (Train goes in on + office is on 2600 Level)

- Tour mine area 'till 12:30 pm.

Lunch 'till 1:15 pm.

- Walk out to outer portal located near junction of North + South Leduc glaciers. (Weather not too good - snow + fog.)

- 3 shifts/day (each about 50-60 men)

- 6,000 tons/day

Reserves (last quoted) 20 m. @ 1.79% Cu

- also get paid for Au (in pt)

Ore - mainly pyrrhotite + chalco.

- Road to Tide - along hillside
- both dangerous but probably
very scenic!

- Ore potential is good
esp. towards the SE.

- Paul stressed significance of
magnetite association with ore.

- siliceous rock (chert) which
is apparently Fe-bearing is also
closely associated.

- 1st unit is used as a marker.

- QD dyke cuts off ore and
Granduc fault cuts off QD.

ii Several stages of faulting
- now exposed underground by
narrow (2" to 2') gouge zones.

- Attitudes are steep (incl. plunges)

- Carbonate content (3-4%) also emphasized

Date

Time

Page

Map#

Photo#

S.L.P.

Lithologies (colour, phys, text, type)

Weath.

Fresh

Structure

	Bding	Jnts c/vg	Shrng	Schst.	linea fld
strike					
dip					
Strike					
dip					
Thick					
Freq					

Comments