

DOME MTN. VISIT - Mon. Jan. 20/86

- with Bryan Good (new Mines Inspector)
- 0°C with lots of snow on property,
- good access road from Fulton Main (frozen)
- Geologist in charge - Gordon Leask
- Operator: Teeshing Res. Owner: Canadian United Min.
- Drilled 3 holes on the Forks in Dec. '85
- Drilled ~ 24 holes on the new BOULDER VEIN since Jan. 4th/86.

BOULDER VEIN

- situated north of the Forks + east of the Cabin Vein
- discovered by trenching^(ab) by Noranda in fall '85
- strikes ~ 095° and dips ~ 65° to ~~SW~~ SW
- located approx. 1900 ft. north of "the Forks".
- Vein now traced by drilling over length of ~ 600 ft. with downdip extension to ~ 180 metres. - Open at both ends. Width av. > 1 m.
- Leask suggest statabound nature of min.; however, I believe it a large alteration envelope of sericite + fuchsite, possibly ^{assoc. with} ~~foliated~~ ^{foliated} tuff.
- Host rx. = maroon volcaniclastics (no argillites)
- Mineralization - typical gtz. vein with ZnS, PbS, py
- one ddh intersection 50 ft (apparent) or ~ 30 ft. (true) ~ 0.5 oz/ton

Ref: AR # 13,277 (Noranda-1984) + AR # ? (Noranda-1985)

CIM (Victoria)
Oct. 4/86

CIM Distr. 6
Vic.
Oct. 3/86

DOME MTH. - Don Harrison

Production

225 oz Au + ? Ag recovered to date (Free Gold plus others)
Ag: Au ~ 5:1 Gold analyses incl. up to 20% Ag (i.e. electrum)

Green mica = sericite (not fuchsite)
+ Ankerite

Drill Indicated Reserves

218,000 tonnes @ 16.7 g/t Au + 80 g/t Ag Geochem (soils) 60 ppb Au
400m x 2.7m x 140m Dimensions - Boulder Cr. Vein

Cabin Vein 150m x 8m x ?
- part of Boulder Cr. vein? (i.e. 210m between the two)

Forks 90,000 tonnes @ 19 g/t Au

HW - sericite-carb. schist

9800 Showing - gtz^{sub} vein (folded) in argillite (HW)
av. 28 g/t Au (Pb+Zn) ~ 16%

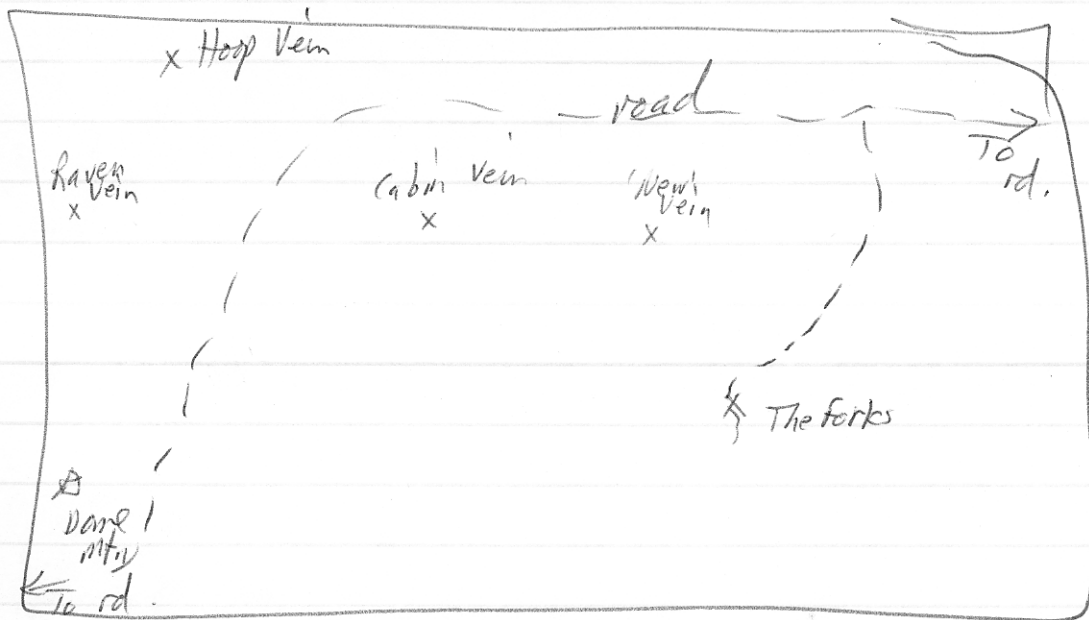
Host Rx: Flt'd tuffs of Telkwa Fm.

Phone Dave Carson
(Noranda) in Toronto
re - Dome Mth.
- Pb-Bi-Te
(electron probe)

DOM E MTD.

Oct. 18/85

- Del Myers
- logging core in Smithers
- ~ 33 ddh totalling ~ 5000 feet
- ~ 16 ddh on The Forks
- plus on Base Line Shovring
- " " Cabin Vein
- " " Hawk claim (Hoop Vein)



Vein at The Forks in flat (is 200 to W) + is best looking one to date? - but mined out.

- Veins av. 1 m but up to 3 m. (of .5 oz/t Au)
- opened 4/6 tunnel on The Forks (OK)
- Min. - appears epigenetic (not syngenetic!) very erratic " very small tonnage of > 1 oz/t Au
- Geol. - Hazelton Gp. ands. flows + pyroclastics plus argill. + sst.
- Alt. - sericitic schists (felsic buff units)

Lucky Gold

Jan. 31/80

- talked with Mark Kryger re. his work on the Lucky Gold property this past fall + winter. They broke thru along Vein 3 below shaft 2 and then raised up a few tens of feet on the vein. The width of the vein averaged 2 ft. Pinching + swelling probably occurred.

Next they want to make a decline from somewhere below Shaft 2.

They have stockpiled behind Smithers Transport approx. 95 tons of somewhat hand picked 'ore'. ~~Two~~ Three 'types' exist:

- u/g {
surface } 1) Py + fn. Tetra. in 50-80% gtz gangue.
2) ZnS + PbS + Py in 10-20% gtz gangue.
3) oxidized surface ore with gtz gangue.

→ Have sent samples of 1 + 2 for assay.

↓ The 95 tons (weighed) were taken from:

- old dump outside portal
- old dumps along shafts
- new surface working.

⇒ Refer to 1951 Sampling Map!!

Visit to Dome Mt. - Wed. March 14/79

On Wed. March 14th Lorne Warren & I visited the old Free Gold ~~prop~~ and the Forks gold properties on the east flank of Dome Mt. It took us approx. 1 hr. via snowmobile (440) from the Chapman burn side. Mark Kryger was in the process of trying to melt the ice in the tunnel at Free Gold. He has a lease on it from Emil Mesich. He ploughed a cat road in from the Ouess Lake side and says that route will never be driveable. So he had started to walk his cat east from the portal down to connect with the (Houston) North logging road. He was making a terrible mess of the timber.

We then took the snowmobile to the Cabin vein camp (one building with roof) & then hiked by snowshoe approx. 1 mile down Federal Ck. to the Forks. The actual camp buildings are located approx. 1000 ft. upstream from the shaft. We examined some schisto s² rocks with fuchsite \pm py \pm ZnS in the draw near the Forks.

Plottings were made on previous maps.

VISIT TO DOME MOUNTAIN AREA - 4 and 5 NOVEMBER 1974

On Monday, November 4th Jim Hutter and I attempted to drive to Dome Mountain via the "north" road leading off the Smithers Landing Road about one mile north of the junction of the Big Onion and Burnt Cabin Roads. The road was in fairly good shape up until the small lake where we got royally stuck in an alpine bog-swamp. Trail bikes would be the only answer beyond there.

On Tuesday, November 5th Jim Hutter, Denis Lieutard and myself visited the old gold camp near Federal Creek, east of Dome Mtn. We drove in the 'south' road off Woodmere Rd., past Burbridge, Guess Lakes etc. The road is good right to the top of the mountain but beyond that it is probably best to walk. We took trail bikes but had trouble pushing them up-hills on the way back. We ran into the first major snow storm on Dome. The adit is still blocked by ice. It will never be open unless someone is willing to get rid of the ice. The main camp is still in very good shape.

Dome Mountain Field Trip

September 10, 1987

Group A

1. Don Young - prospector
2. Ellen Lambert - Atna
3. Colin Harivel - Atna
4. Tom Schroeter (underground only) - MEMPR
5. Tom Richards - Atna
6. Pat Suratt - Atna
7. Dave Visagie - Newmont
8. Brian Malinoff - Newmont
9. John McLeod - Esso 661-7130
10. Karen Soby - Atna

Group B

11. Harvey Klatt - Newmont
12. Ken Atkin - Newmont
13. Brian Dahl - Atna
14. Tom Bell - Atna
15. Dan Ethier - Prospector
16. Bert Witham - Mining Contractor
17. Rob Pease - Equity Silver
18. Gerry Klein - consultant
19. Wayne Bulmer - MEMPR
20. Webb Cummings - Houston Metals

DOME MOUNTAIN FIELD TRIP

September 10, 1987

Underground Tour Stops

Leader: Craig Stewart, M.P.D. Consultants Inc.

1. **Chloritic andesite lapilli-tuff outcrop at portal** which forms hangingwall to the Boulder vein. A 140 metre drift bearing 320° crosscuts lapilli-tuffs, agglomerates and amygdaloidal basalts. The Boulder vein trends 280° to 284° , roughly parallel to Boulder Creek, and dips 40° to 60° to south.
 2. **A 20 centimetre wide quartz** separates an overlying lapilli-tuff and underlying amygdaloidal mafic flow. Typical assays are 0.2 to 0.3 oz. Au per ton.
 3. **Boulder vein in east drift face.** Well defined footwall/hangingwall shear contacts with associated gouge material. Note the distinct fragmental texture in both the hangingwall/footwall. Alteration textures well-defined; chlorite, sericite, silica, bleaching of host especially in association with slips and stringer zones.
 4. **Strong shear zone** with no significant mineralization.
 5. **14' vein intersection grading 0.417 oz./t Au.** Distinct footwall contact between quartz vein and bleached maroon andesite. Strong slips within ore zone indicates possible stacking of ore. Transition from ore into the hangingwall stringer/bleached zone.
- * Beware of raise as rubble is continually coming down.

6. **Brecciation, truncation of ore in back.** Pinching down of ore zone into right rib.
7. **Stacking of ore in left rib.** Well-defined shearing, bleached hangingwall and unaltered footwall. Within Raise 2, ore is brecciated and pinches down from the drift intersection.

Western end of drift shows the structural continuation but a rapid decrease in vein thickness and mineralization.

SURFACE TOUR STOPS - Forks/9800 Zone

Leader: D. MacIntyre, B.C. Geological Survey

1. **Outcrop in road cuts near Forks** - Foliated siltstone and pebble conglomerate of the Nilkitkwa Formation that form the hangingwall for the Forks vein. Contains Pleinsbachian age microfossils. Sediments dip 30° - 40° to east. Vein is slightly discordant to bedding.
2. **Trenches along surface trace of Forks vein** - Well mineralized quartz material on dump. Discovery showing now buried by rubble in creek bed. History of Forks reviewed. Current reserves 20,000 tonnes grading 23.6 g/t Au.

3. **Outcrops of intense sericite-carbonate altered volcanics exposed along banks of small tributary entering Fedral Creek** - Probable footwall alteration to Forks vein. Change in foliation dip direction probably due to south-dipping thrust fault.
4. **Outcrops in creek bed of maroon foliated lapilli tuff** - These tuffs are interbedded with amygdaloidal flows near the top of the lower volcanic division of Nilkitkwa Formation.
5. **Drill core, DDH F85-11** - Complete section through Forks vein. Begins with Nilkitkwa tuffaceous sediments, and ends in amygdaloidal flows. The vein intersection was very narrow and did not contain appreciable gold. (Adjacent holes 16 and 13 graded 6.27 g/t and 46.3 g/t Au over 0.76 and 1.5 metres respectively.)
6. **Forks Shaft** - Description of underground workings and view up Fedral Creek.
7. **9800 Showing** - Pit dug on showing of quartz vein with near massive zones of galena, sphalerite and arsenopyrite (mined out!). Well-bedded siltstone of Nilkitkwa Formation thrust westward over mineralized zone. B.C.G.S. assays (3) ranged from 10.43 g/t to 76.6 g/t Au and 196 to 1809 g/t Ag.
8. **Folding in well-bedded siltstone of Nilkitkwa Formation.**

DOME 5

COPE 2

Boulder Zone
198,683 T (mineable)
at 0.439 opt. Au.

COPE 1

Boulder Extension
Argillite Zone
84,563 T (mineable)
at 0.429 opt. Au

Shaft GRIZZLY

Cabin - Boulder Structure

Cabin Vein Adit

1370m. Level Adit

SEE INSET

PORCUPINE

TRIANGLE

ELK

NO. 2

Elk/Triangle Showing
0.64 opt. Au
grat

DOME 6

DOME

FORKS ZONE

NO. 1

20,000 T at 0.64 Au

NO. 3

9800 ZONE
0.30 m/2.4 opt. Au

Hoops Showing

0.46 opt
0.50 m

OWDROP

0.25 m Au

Jane Vein Adit

36.5m. 0.88m.
at 0.24 Au

NO. 6

Chisholm Shaft

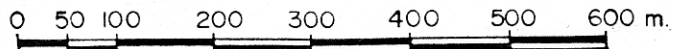
NO. 5

grabs; 5.21, 2.66 opt. Au

BERTHA

10,000 N

NO. 4

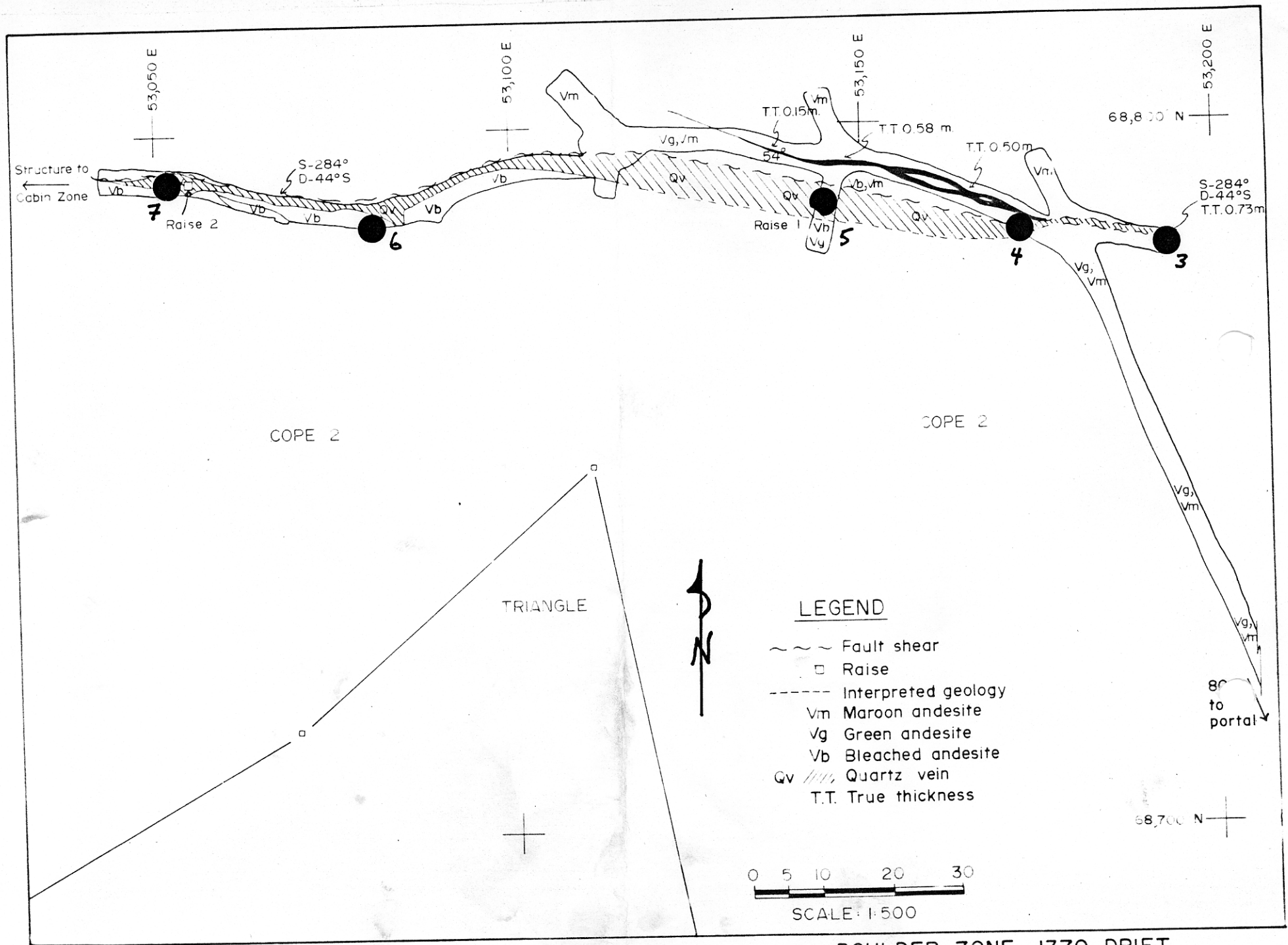


TRAIL FR.

FREDA

VICTORIA

JOSIF



Structure to Cabin Zone

53,050 E

7

Raise 2

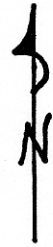
COPE 2

S-284°
D-44°S

6

53,100 E

TRIANGLE



0 5 10 20 30

SCALE 1:500

LEGEND

- ~ ~ ~ Fault shear
- Raise
- Interpreted geology
- Vm Maroon andesite
- Vg Green andesite
- Vb Bleached andesite
- Qv Quartz vein
- T.T. True thickness

53,150 E

TT 0.15m

5

Raise 1

COPE 2

TT 0.58 m

4

TT 0.50m

68,800 N

80 to portal

S-284°
D-44°S
T.T. 0.73m

3

68,700 N

BOULDER ZONE 1370 DRIFT