

CLISBAK

881810

Oct. '90  
- Jim Dawson ("Eighty-Eight Res.")  
informed me of NEW discovery  
of large epithermal (+ silica) system  
hosted by Ootsa Lk. Op. rhyolites  
in area immed. SE of MT. DENT.

NTS 93B / 12W  
93C / 9E

Nov. 5/90  
Planned visit to property  
with: Jim Dawson, Ken Dawson (GSC) + Colin Gordon (USGS)  
cancelled due to snow. Was to have been  
"all expenses" paid  
- Provided with "hot-off-the-press" geol. map by JD

→ Clisbako

- 1 -

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## CLISBAKO

Nov. 1/91

- discussions with Alex Davidson & Dave Heberlein in Minnera office
- classic acidic ~~acidic~~ rhyolite flow domes
- could be as young as 5-10 Ma  
(similar to E-W 'hot spots' as shown on Anaheim  
1:250,000 geol. map) i.e. younger than Oatsa Cr.
- good flow banding
- excellent lithophyse (ex-'mud-balls'),  
perlite + obsidian (+ devitrified)
- can see well bedded lithophyse interbedded  
in flow banded rhyolite.
- South Zone seq. of interbedded coarse rhyolite  
bx (some flattening of frags.) + tuff bx (with  
'spaced' tight folding)
- 'classic' hematite in FW (à la Sleeper)  
(i.e. 'chlorite line' chlorite → hematite)
- Dave gave Cathy Hickson sample of 'fresh'  
rhyolite from Canyon Cr. (~ 2 km south of  
South Zone) for K-Ar dating - need more!
- fossil sequoia leaves (younger than Eocene) in  
stratigraphy (faulted?).

→ Caldera setting - Clisbako on NE rim  
of 30 km diam caldera (incl. smaller  
nested calderas). Shows up well on colour  
Landsat images (photos). Clisbako showings  
on fault break, between FW rhyolites  
& HW andesite (+ seds) → moat fill material?

- airborne geophys. surveys work very well i.e. resistivity,  
total mag → linear structures & geol.

South Zone

007-91-13 (southeasternmost hole) did not reach the surface min. (up to 0.5 opt Au) — need to drill from other (west) side of swamp !!

- 'best' prospect - hydrothermal explosion by crosscut by qtz. by vein(s) —> geochem high in Au, Ag, Hg, Sb (hint of Thallium but only a few analyses)

- Carl Neilson (sw USA epithermal expert) agrees with high level interp. — probably will find sinter somewhere on property. (Note: Minerva already found 2 areas of siliceous tufa - 4.1k to sw of Camp Cr.)  
- overall 2 km long structure

GORE Zone — new disc. ~ 1 km to west of North Zone. Again N-S trend!

NORTH ZONE: overall 2 km long structure  
- first fence of holes on east side were drilled the wrong way

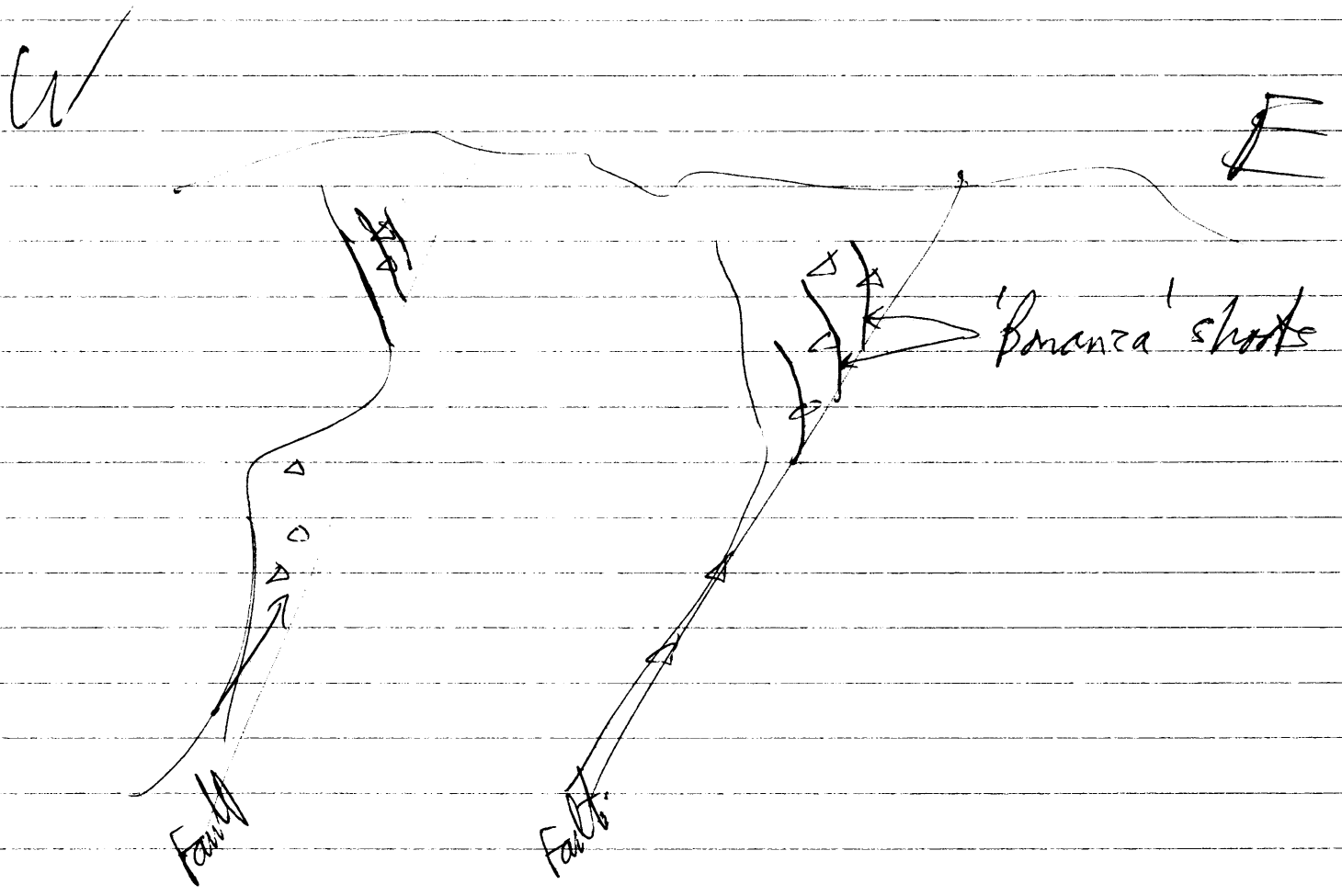
-> 'Feeder' faults dip 45°-60° to west. Min. appears to ~~stay~~ splay off  
- Host rocks ~~tend~~ to be rel. flat lying

- abundant (greenish) celadonite in area

-> Peridotite (semi-gem quality) nodules in scoriaceous host (very young) in Canyon Cr.

MODELS

- ① Sleeper (bonanza)
- ② Bulk mineable (30-40 m tons)



~~Refer to~~

Sep. 21/92 - office with Dave Heberlein & Peter Tiersch CHISBAKO

①

DRILLING '92

Total 9 holes = 1400m

South Zone: 3 holes (28, 29, 30)

North Zone: 0

West Lake Zone (new): 4 holes (21, 22, 23, 26)

IP anom. - excellent epithermal textures, in 2 new trenches  
West pit - host rock = feldspar crystal tuff (interbedded in and rhy seg)

West pit Zone (new): 1 hole (24) IP anom.

Pond Zone (new): 1 hole (25) IP anom

Tufa Zone: 1 hole 20  
- gtz-eye rhyolite host, no sul. (IP anom.)

Geology - to west - incl. Gore zone (dip steeply W)

AGE - gut feeling that host rocks could be younger than Ootsa Lk. Gp.  
(i.e. Miocene)

If so - sig. new area of felsic volcanism, not previously recognized/documentated  
(Katherine Duhne to attempt K-Ar)

- local good exposures of felsic vents (esp. to west side of prop. - Gore (Mtn) area)
- Minex thesis student worked/working on stratigraphy esp. western side of prop.

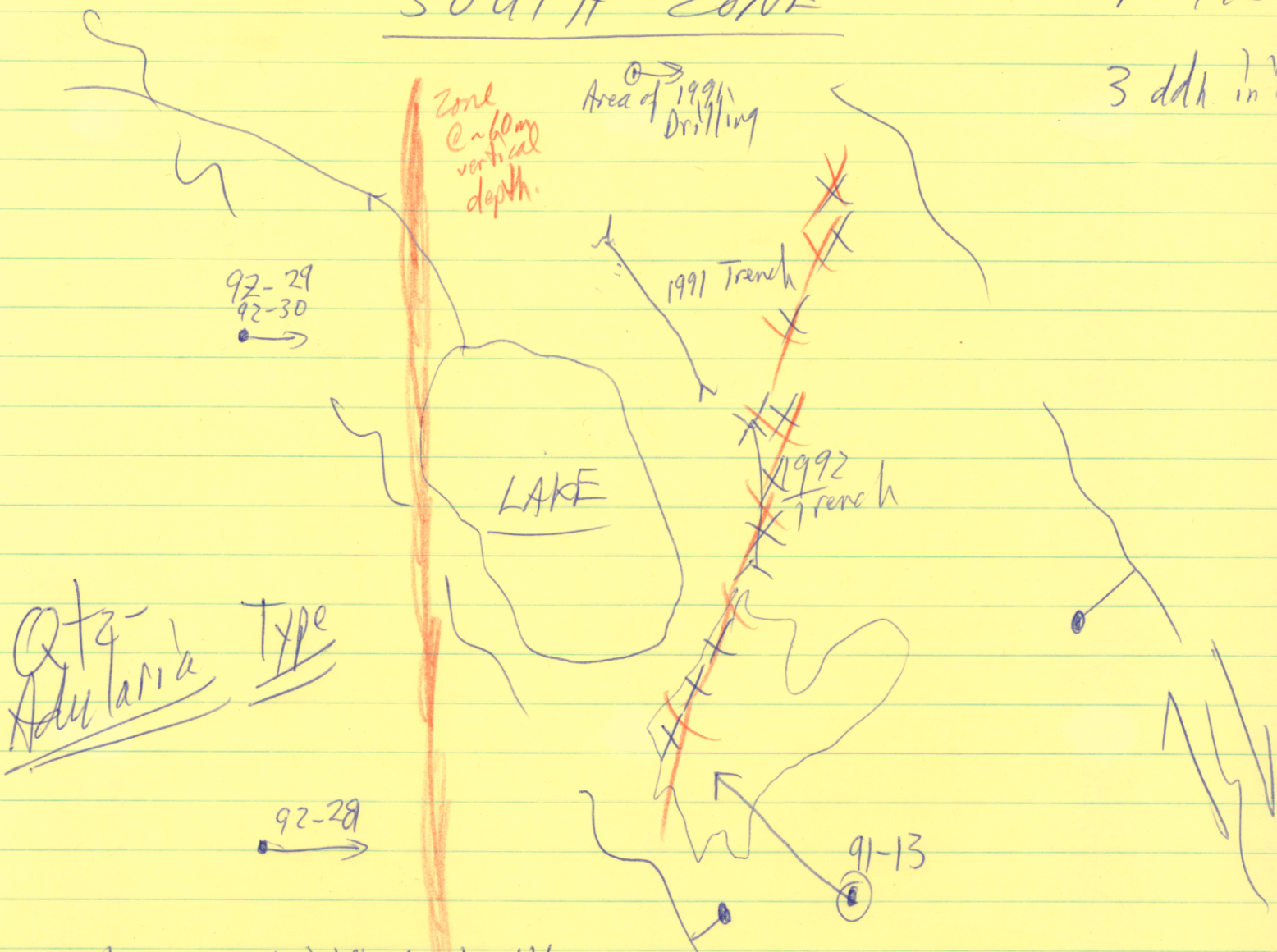
- 'best' grades in drilling = 5 g/t Au i.p. need to find 'bonanza' shoots (depth) - drill tested to 50-60m to date

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SOUTH ZONE

Sept. 21/92

3 ddh in '92



Qtz-Adularia Type

Host rx. = silicified rhyolite and amygdaloidal andesite

Zone dips @ 45° west

- drill went thru silic. amyg. andesite & stopped in FW 'rhyolite'

- Next stage? Need to explore/extend to depth  
- excellent silicification (early-grey / late-white (barra)) but only very low Au/Ag values.

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Senora

Senora Mining Seminar

Vancouver, Canada

November 10, 1992



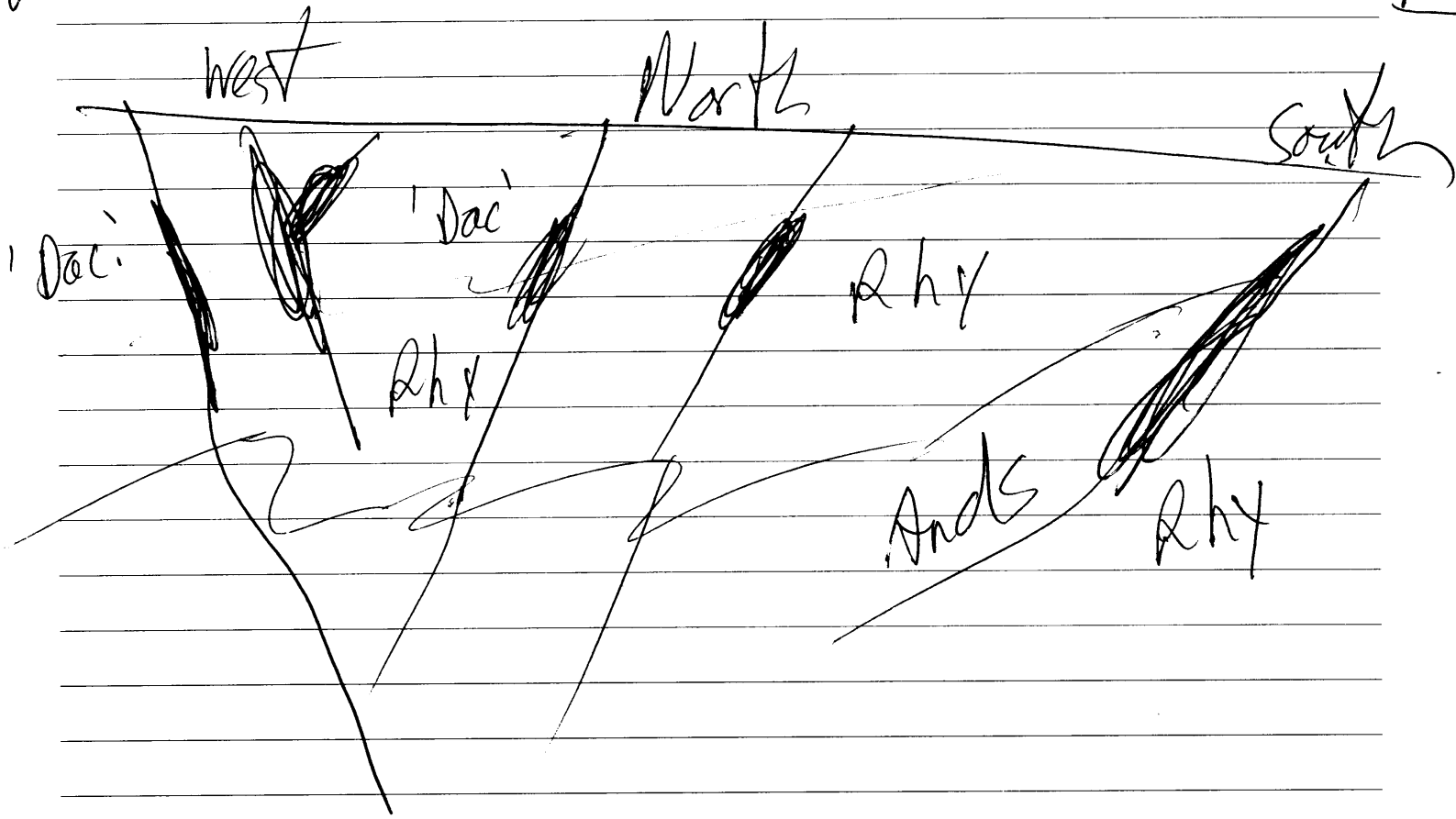
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Jan. 12/93

Canyon Mtn. - Cathy Hickson  
Adularia - Katherine Dunn

W

E





Photos

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June 26/43

1. Lithophysae
2. Silic. bx, (cut surface)
3. Silica 'outer' rind

# CLISBAKO

May 16/96

- chat with Rob Cameron (Fox Geol. → Phelps Dodge)
- major prog. in '95 on Clisbako (optimal by PD from Metal - 88 res.)
- all host rx. = dacites, with some rhyolites. (i.e. no andesites).
- major N-S structural zone with epithermal min.
- drilled in '96, also re-assay all previous core → NO JOX  
(will return prep. to vendor)
- still want to check out (no drilling) newly disc. vein system (+ barite) on west side of claims (i.e. SE flank of Mt. Dent).

[Note: Quartz Creek property, adjacent to south - along strike - road]

[TGS Comment: only deep (bonanza) targets left]

**C rrespondence/Notes**

CLISBAKO # 20,864

Off. Cont. Jan. 21/82

cls. Clisbako 5-10  
oper. 88 Rep.

125 pg.

- Same rpt. as 'we have'.