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Resources Canada  
Geological Survey  
of Canada Sector

Énergie, Mines et  
Ressources Canada  
Secteur de la Commission  
géologique du Canada

802483

Ball Creek Property

May 2/89

John Kowalchuk  
Senior Geologist  
Placer Dome Inc.  
P.O. Box 49330  
Bentall Postal Station  
Vancouver, B.C.  
V7X 1P1

Dear John:

Good to talk to you on the phone.

These are copies of notes on Ball Creek that I said that I would send. I'll check the rock and <sup>core</sup> specimens in the basement to see what would be suitable for analysis.

Best regards.

Sincerely,  
Rod Kirkham

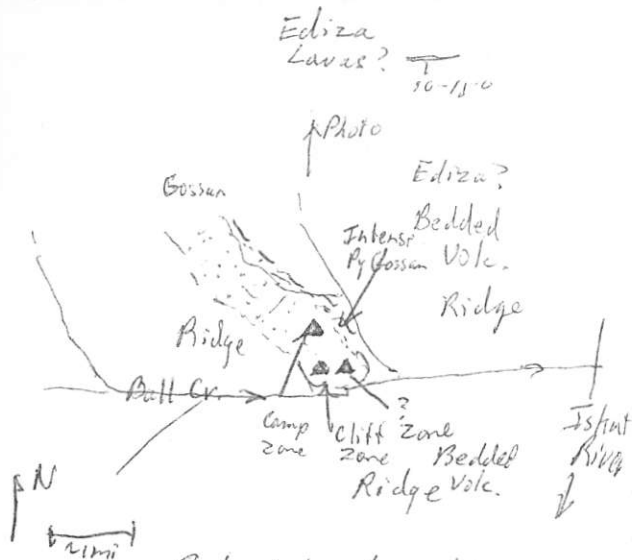
Canada

Ball Creek Prop., B.C.  
Sun & Cloud (Sat.) July 19/75

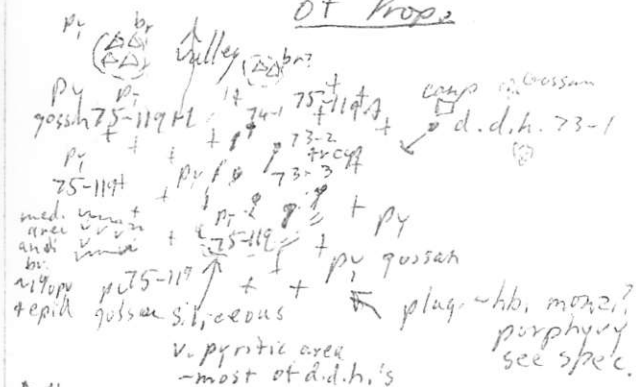
- Rudy Durfield - young geologist in charge - wife Kathy - cook
- Norm? student Calgary
- Mike? ~~27001800~~
- Mike McInnis - project geol. Great Plain Development Company of Canada Ltd., 736 - 8th Ave. SW Calgary, Alberta (for report & assays)
- drilled ~ 3 holes in 1973 (see core samples) & 3 or 4 in 1974 - core at Tatoga Lake
- 1975 drill contract for 3000'
- originally a Kenaco property @ Great Plains adjacent when Kenaco dropped Gt. Plains staked it
- very little Cu has been found in the system (no 1975)

but it appears to me that 40 more geological work could be done

- a large intense (locally less intense) pyritic system assoc. @ v. fine-gr. subvol. plag. - hb. porph. (monz.??) - some variation in grain size & texture but av. ~ 30-45% fine-gr. plag. & 2-5% hb (chert) phenos. in dense matrix
- much of it av. ~ 5-12% diss. (not obvious fractures in many areas) pyrite
- locally tr. up specks & qz veins @ assoc. diss. & fracture <sup>hairline</sup> ccp & po & v. minor mol. in fine-gr. layered qz veins
- in 1973 d.d. holes especially at depth excellent qz vein stockwork but it is not well mineralized
- in d.d. holes oxidation to 200' - 400' but no obvious enrichment



Sketch Location  
of Propose



Sketch of Camp Zone  
D.D. Area

- could be sl. alkalic or a calc-alkal. system (check)

KO-75-119 A tott

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are a reasonable selection  
of surface samples collected  
over an area of at least

$\frac{1}{2}$  mile  $\times$   $\frac{1}{2}$  mile

- typical pyritic plug-hb.  
fine-gr. monz.?

- mainly dense matrix - textural  
variations - some crowded  
varieties

- epid., serc., qz, chl?  
(py), clays? are typical  
alt. minerals - some  
K-spar (in d.d.h.'s)

and possibly uranitic  
hb + biot. as well

- locally magnetite

- most of min. seems to  
be in the intrusion?

but epizonal porphyry

- pyritic d.d. porph. system

- possibly an increase  
in qz veining & grade

with depth in some of sites

to max. of 0.15% Cu, 0.02% Pt, Au  
& 0.15 oz/t Au

R.K. Visagio  
~~\*\*\*~~ Confidential Feb. '74

Ball Cr. Prop., B.C.

- Great Plains Development (in Stikine)
- old porph. Cu prospect
- zone at least 4000' poss. 3-4 mi. but capped by lava
- old holes not much Cu but persistent low Au & Ag (0.01 - 0.02 oz/t?) & Ag (0.2 oz/t?) to 1000'
- surface spec. analyzed this winter all run in Au & Ag (py alt. mat. around lava cap ~10% py)