

882143

# CROWS NEST

Thurs Sept 23/99  
Sunny +25°C

- with Paul Wilton
- Jim Riley (lives in Cranbrook)
- Scott Tregarius

- 10 ddh = 1096m  
 #8 - geol. hole along old seismic line, high top, rough

- other holes tested I.P. charged about  
 (can't always explain in  
 syenite i.e. dissemination in  
 1st?)

TARGET = porphyry (Au in py)  
 in syenite

Host (country) rk = 1st (+ brecciation)

- local greenish/whitish  
 calc silicate + 'porcellanite' (+ Qtz veins)
- trace py (i.e. hope for no-seeum Au)
- eq. 1999-10 (~210' - very fine gr. sub  
 (photos))

Photos - looking E over 'Discovery  
 Trench + rd and The Fortress to A.

Discovery Trench - highly oxidized <sup>(ph)</sup> and  
 clay + sericite at d. syenite (up to 1000'  
 - very strong silicification <sup>(Cu veins)</sup> Au

Fox Geol. DDT core from 4 holes  
 in 1994.   
 intrusive into 1st



FLATHEAD

July 30/93  
+25°C

①

Guidebook Series Vol. 7  
SEG

"Metallogeny of Gold in the  
Black Hills, S. Dakota

field Conf. 1990  
2nd Printing - June '92

Character & Reg. Sig. of Great  
Falls Tectonic Zone, East-Central  
Idaho and West-Central Montana

in the Amer. Assn. of Pet. Geol. Bull.  
v. 69, No. 3 (March 1985), p. 437  
447

A Geol. Summary of S. Iq.  
Lode Au Systems in Montana  
SME Preprint # 93-244

- John Childs - Bozeman,  
Mont.  
(friend)

(2) MONTANA - Gilt Edge  
Zortman Landmark  
mt. Tunnels  
Golden Sunlight - (epithermal)  
- 'failed' mo - por. at depth

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1 hr. drive from Fernie to prop.  
(turn off Hwy. @ Morrisy (~14 km  
from Fernie))

- Rob Cameron, Greg Roger  
+ Stumpy (dog)

- plan to start in early Aug.  
~6000 ft. ddh on 29 mile  
Ridge (Howell 'A' Grid anomaly)

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Perhaps Dodge has not tested for  
tellurides (rock or soils)

- Excellent soil (B-horizon) Au  
anomalies (+ Ag + As ± Sb)

③ Also some Zn anomalies  
- Key are 'syenitic' plugs  
+ dykes/sills

Au rk. assays (trenches / rd. cuts  
= 300 to 1300 ppb Au  
(syenite and 1st)

- Fox Geol. can't understand how/why  
Placer Dome "walked away" from  
project (they owned 100%).

- Main Target on Howell Grid  
= Howell 'A' Zone - (north)  
Ridge (29 mile (k).)  
1989 - 3 ddh / 1988 - 15 RCH

Howell Grid - 'E' = Syenite  
por (+ Mo + Au)  
- 1989 - 4 ddh

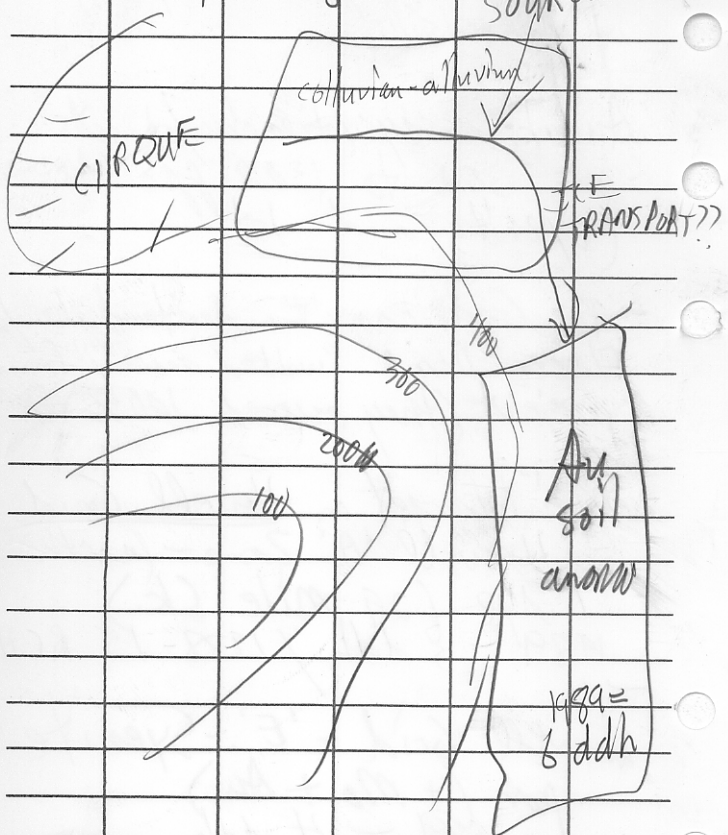
- Jarosite ± fluorite veins in  
1st + syenite

Flathead Zone: Trachyte Ridge  
- waiting approval to build rd. to shell

Flat Head - Grid B

up to 52 gpt Au

SOURCE??



Alkalic : nepheline  
 analcite, pseudo/brookite  
 melan syenite (mafic)  
 - strong albitization  
 Mineralization = Sn. gr. Pyrite

- ③ FAITHFUL - Close-up Photos July 31/93  
+25°C
- #1, #2 GREEN, COARSE PORPHYRIC  
SYENITE - WITH AGGIRING  
AND AGGIRING-ANGITE
- #3 GREEN MEDIUM  
PORPHYRIC TINGUATE  
(PHONOITE)
- #4 ~~NO~~ FOLD SYENITE  
GREEN WITH ORANGE  
PSEUDOLUBITE?
- #5 SYENITE - GRAY GRANODIASE  
WITH 2 FROSPARS -  
GRAY AND PINK  
(LEGUN'S DACITE)
- #6 RED/PINK MOTTLED  
MESA SYENITE - FINE  
GRAINED.
- #7 BROWN MESA - PORPHYRIC  
SYENITE

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#8 - QZ VEIN STOCKWORK  
IN MICROSYONITE

#9 - INTRUSIVE BRUCIA  
WITH GRAY LST. CLASTS

#10 - GREEN FOLD SYONITE  
WITH SILTSTONE XENOLITH

#11 - FLATTENED GRID &  
MAGNETITE / PIRITE IN  
PINK GREEN SYONITE

40  
photo?

#12 - MICROSYONITE WITH  
QUARTZ VEIN STOCKWORK

#13 - PORPHYRITIC SYONITE  
WITH 1mm EQUANT  
RED FOLDS (ANALCITE?)

#14 - SILICIFIED LIMESTONE

#15 - GOLD - GREEN FOAM IN  
GROUNDMASS - SYONITE



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#16 GRAY MICROSCHISTE

138#B1

CORE

#17 TRACHYTIC TEXTURES

SYONITE

out of focus

#18 - CORE

PYRITE + FLUORITE

IN BRECCIATED PHILLIPS

FORMATION - HOWELL

#19 - PITTED FOLD

SYONITE - GROWN WITH

GRAY PITS

#20 - SILICIFIED LIMESTONE

WITH PYRITE SEQUAGES