

Rock Talk V - Smithers - High Frontier (Keneco) / Noranda

602/RDN - Mike Savell

Mar. 5/91

- 1990 - colour grossan

Neil Dobek (cls. to south)  
- RDN

Min. - disc. in 1990

Forester Ken Fault

- N-S faulting plus NE splays

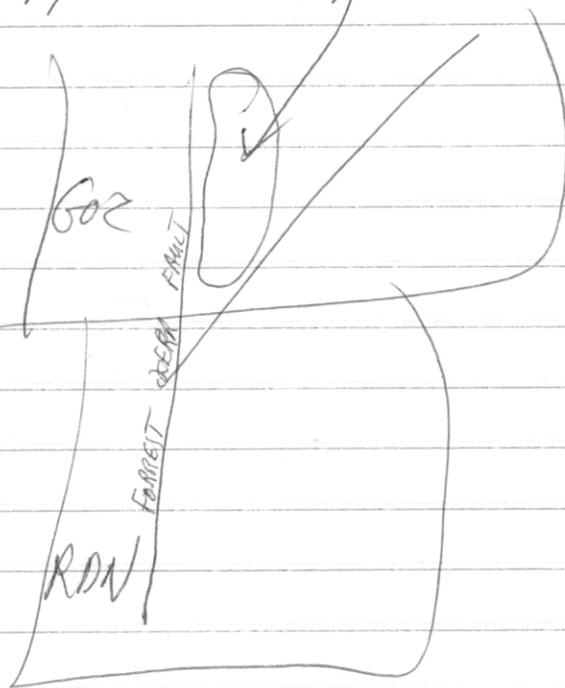
Host Rx:

west - Permian - sedcs/volcs - phyllites  
east (younger) - T. Jun. Stewart Complex - Stuhini G.  
Tuffs, volcs. (Betty Lk, Dilworth, Eskay & Falls)

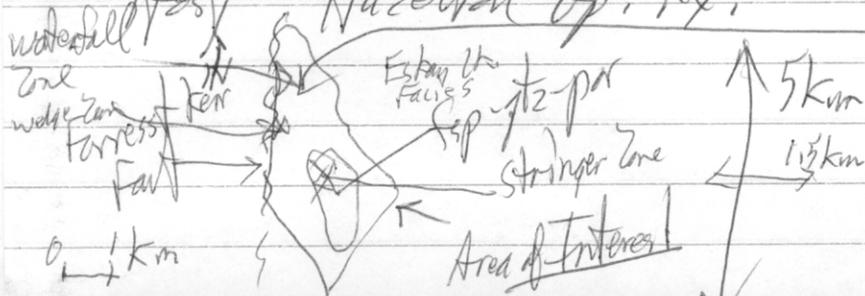
\* → equiv. to Mt. Dilworth Fm. (extensive)  
gtz - py - ser - ksp etc

W

E

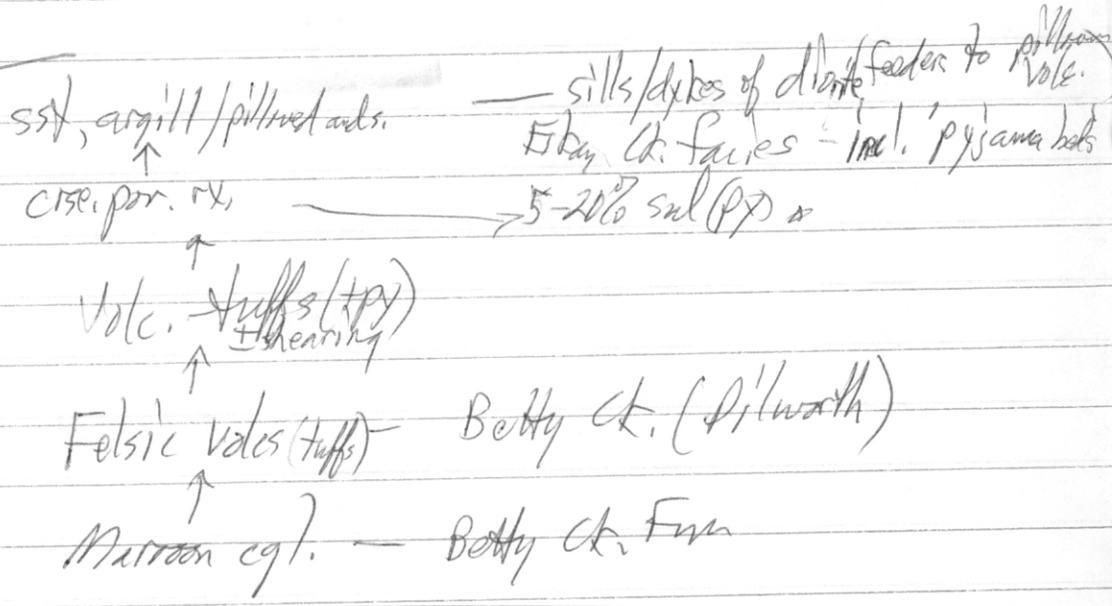
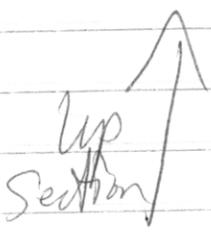


- Total field mag. (airborne) - excellent - Forester Ken fault
- (low) - also rk. types contrast
- Resistivity - similar picture (higher - west / low - east)
- Hazelton Op. rx. - Mt. Dilworth volcs.



GOZ-RD10

Stratigraphy



Gossan area: ex. argill (clay) alt'n. "Geological Park"  
 Cold Spring - 3 petachar Fe-oxide (ferricrete)  
 (assoc. with fault) — natural! — incl. terraces / logs cemented  
 — candidate for geol. park

- 'intraceite' in blk. chaledonic matrix to south  
 (to south) → prospecting syndicate found — no 'good' values

Geochem: Au > 200 ppb ; Pb > 200 ppm (+ coincident Zn) 2500 ppm  
 — Au in lower sects. of felsic rx / base metals - higher

MINERALIZATION: 5-10% sul. — multi-stage ptz - sul.

Note: Looking to north in silicified felsic rx. — py, cpy, ZnS, PbS, tetra,  
 arsenopy. plus As (500-5000 ppm) Sb 170 ppm + Mo, Bi, Cd  
 — Forks of more cks  
 (turn east to Isabel R.)  
 Waterfall zone eq. 5.3 g/t Au over 7.7m (.155 g/t)

Wedge Zone: 11.6 g/t Au (.34 g/t) over 4.4m  
 Stringer Zone: 5.7 g/t Au (.16 g/t) over 6m (surface) 18.2 g/t Au (.53 g/t) over 0.4m

— more than one altitude of veins  
 — vlg. at grain boundaries (eg. PbS, py) eq. DDH-90-7

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- 'later' stage PbS filling in fracs in epp.
- Au assoc. with fracs in ZnS
- felsic tuff (100m N of 90-7) - up to .869 Au over 14.6m

CONCLUSION

- widespread alt'n
  - good potential - stringer & vein type
- Hope for 'vented' in sea floor (à la Estay Cr.)  
(in overlying Estay Cr. facies sed. rx.)

RDN

Aug. 16/01

- chat (lunch) with David Caulfield

CONFIDENTIAL

- Newmont (under supervision of Mike Stammers) has just completed drilling program on several 'areas' (esp. Marcasite Gossan & Wedge zones, but not Jungle zone).

→ "good/great" success @ Wedge zone i.e. intersected Eskay Ck. strats, rhyolite, plus Eskay-style min erl is at or (up to 5cm) - incl. typical minerals + realgar/orpiment

- Unfortunately Newmont was only targeting geom. geophys. anomalies, paying NO attention to geology/stratigraphy (eg. drilling stopped in HW andesite!)

Good News - 2nd Adh program to begin in Sept. (i.e. another \$300k program on top of recently completed \$300k per total ~ \$600k)

- Also - Gossan (pyrite?) [front cover of '99 Review] → identified <sup>primarily</sup> as a unit (pink) i.e. hydrothermal system

[Also: see - Wejtek (July 30/01)]