

Visit of Highland Bell  
Mine Beaverdell

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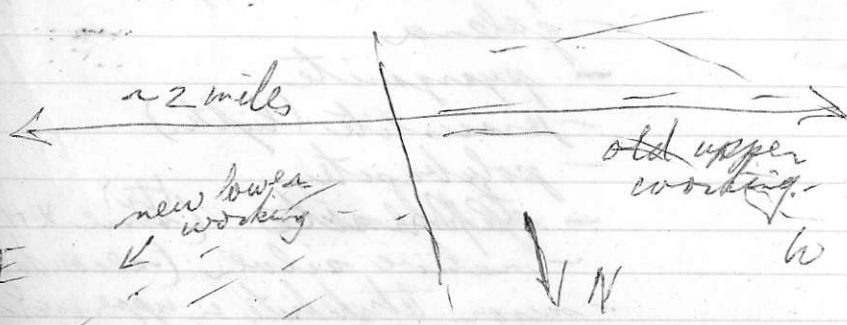
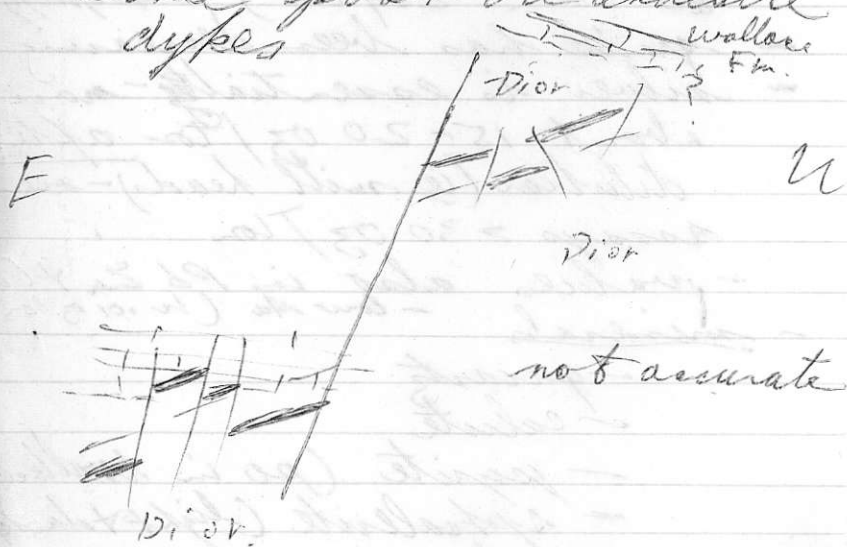
May 21/69

Bell Mine, <sup>(+daily)</sup> produced per - 1950

- Highland Bell has been producing since 1950
- started at 50 tpd - gradually increased to present rate of 120 tpd <sup>(total)</sup> (cost now <sup>net operating profit now</sup> is over \$25/ton) <sup>\$400,000/year</sup>
- grade has been decreasing
- silver is essentially - now about 15-20 oz/ton after dilution (ie mill heads) - ore assays > 30 oz/ton
- values also in Pb Zn & Cd - low Au (1000 oz/ton)
- minerals

- quartz
- calcite
- pyrite (no in wall section)
- sphalerite (light + dark)
- galena
- pyrrhotite
- proustite (lighter)
- polybasite
- ~~stibnite~~ <sup>(tr)</sup> stibnite (some X + S)
- native silver (-secondary)
- major tetrahedrite in upper working
- <sup>tr</sup> cpy

- vein system a 2 miles long
- near contact of "diomite" (qtz dior) and Wallace Fm (tuffs & sed.)
- one fault (post-ore) w/ 700' normal displacement
- many small post-ore faults
- some post-ore andesite dikes



- no other profitable mines in district - however, some minor offshoot veins
- some 2-3" veins 1400 oz/ton (lose money mining them)
- original ore mined was 100-200 oz/ton (?)  
then 500 oz/ton (?)

Visit of Bluebell Mine  
Kootenai

May 22/69

- operated since 1882
- found by Tom? Hamill (shot by ground)
- only 100 ton Ag - mainly Zn + Pb
- 700 tpd
- gas & water <sup>hot</sup> problems
- most <sup>100%</sup> xth from stope betw. 3 & 5 levels (The Kootenay Chief ore body)
- po, sp, gal, asp, py & marcasite  
qtz carb. - hydro, min.
- replac. in lws along fractures
- Franky Shannon
- 4 mill tons mined