

1902

1913/1.84) sketch of site!

880523

Bonanza ⇒ Mineral ck.

- lenses of sulphides along + near walls of diabase dykes <sup>parallel</sup> <sub>NE strike</sub>
- argillite schist (micaceous) N 30° E / flat
- base of granite mt.
- in vicinity of basic dykes, the mica schist carries 1 to 2% Cu
- at or near contact of dykes = lenses of cpy + po.  
eg. 4 ft thick of 6 to 8% Cu.
- long axes // to dip of strata. (general slope of hill).
- lenses lie in very soft mica schist.
- mineralized zone crosses Mineral ck. & dips into the hill on other side ("opening!")

Hidden Creek 1902

No. 1 + No. 2 orebodies to No. 5

- on + around Red Mt. - elev. 700 ft. N 30° W
- numerous parallel diabase dykes N 10° W (post-min.)
- black argillitic schists. underlain at depth by granite
- great fracture zone = bx. rx.
- ore traced 900 ft. = po + cpy + gtz.
- in vicinity of dykes = 6% Cu
- intense silicification. - steeply tilted rx.
- some Au + Ag with Cu

1913 8,800,000 > 2% Cu ; 15,000,000 > 1 1/2% Cu  
Smelter 2,000 tons/day.

1914 - Glory hole on 630 ft. level.

1917 - Sketch of orebodies p. 49.

No. 2 + 3 have extensive orep. in schist. - more siliceous ore + dissem.

No. 1, 4 + 5 = "massive sulphide ore"

→ Analyses p. 50 + p. 57

sketch of smelter area - p. 54

→ most production from No. 1 + No. 2.

- magnetite present. (5-15%)

# Doubt: Ed - found in 353 by Comins

1965

- Volcs. + sed. form a large inclusion in granitic Coast Range
- both deformed substantially (eg. folded) + shearing
- later deform. related to igneous intr.
- Volcs. + sed. cut by swarms of granitic to gabbroic dykes, largely NW + NE trends.
- amphibolite grade metam. (andalusite in sed.)
- volcs. - also regional metam.
- all props. occur at or near a volc. - sed. contact. + largely confined to shear zones
- massive, variably banded sulphides = py, po, cpy + gt + e.
- shearing, skarnification + silicification followed by sulphide replacement.
- production stats. - p. 59

Redwing 180 ft. adit (1965)

- exposed on cliff face
- chlorite schist zone + siltstones contact.
- cliff face shows contact + folding.