DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

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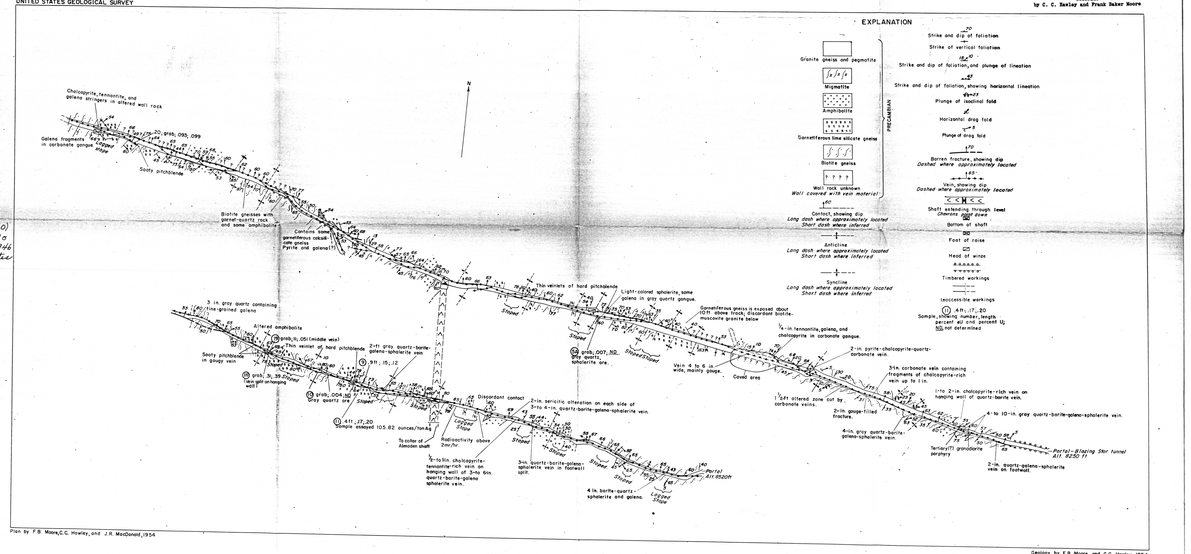
OPEN FILE, 1967
Mines and prospects, Lawson-Dumont-
Pell River districts, Clear Creek County,
Colorado
by C. C. Hawley and Frank Baker Moore


EXPLANATION
Granite gneiss and pegmatite
Migmatite
Amphibolite
Garnetiferous lime silicate gneiss
Biotite gneiss
Wall rock unknown
Wall covered with vein material
PRECAMBRIAN
Strike and dip of foliation
Strike of vertical foliation
Strike and dip of foliation, and plunge of lineation
Strike and dip of foliation, showing horizontal lineation
Plunge of isoclinal fold
Horizontal drag fold
Plunge of drag fold
Contact, showing dip
Long dash where approximately located
Short dash where inferred
Anticline
Long dash where approximately located
Short dash where inferred
Syncline
Long dash where approximately located
Short dash where inferred
Joint, showing dip
Barren fracture, showing dip
Dashed where approximately located
Vein, showing dip
Dashed where approximately located
Shaft extending through level
Chevrons point down
Bottom of shaft
Foot of raise
Head of winze
Timbered workings
Inaccessible workings
Sample, showing number, length, percent eu, and percent U3O8 not determined
Chalcopyrite, tennantite, and galena stringers in altered wall rock
Galena fragments in carbonate gangue
Sooty phlinkenite
Biotite gneisses with garnet-quartz rock and some amphibolite
Contains garnetiferous calcsilicate gneiss, pyrite and galena(?)
3 in. gray quartz containing fine-grained galena
Altered amphibolite
Sooty phlinkenite in gouge vein
Thin veinlets of hard phlinkenite
Light-colored sphalerite, some galena in gray quartz gangue.
Garnetiferous gneiss is exposed about 20 ft above track, disordered biotite-muscovite granite below
Vein 4 to 6 in. wide, mainly gouge.
Cavad area
¼-in. tennantite, galena, and chalcopyrite in carbonate gangue.
2-in. pyrite-chalcopyrite-quartz-carbonate vein.
3-in. carbonate vein containing fragments of chalcopyrite-rich vein up to 1 in.
1 to 2-in. chalcopyrite-rich vein on hanging wall of quartz-barite vein.
4- to 10-in. gray quartz-barite-galena-sphalerite vein.
Soft altered zone cut by carbonate veins.
2-in. gouge-filled fracture.
4-in. gray quartz-barite-galena-sphalerite vein.
Tertiary(?) granodiorite porphyry
2-in. quartz-galena-sphalerite vein on footwall.
Portal-Blasing Stor tunnel Alt. 9250 ft
Portal Alt. 8520 ft
Discordant contact
2-in. sericitic alteration on each side of 3-to 4-in. quartz-barite-galena-sphalerite vein.
Radioactivity above 2mr/hr
To collar of Almaden shaft
3- to 5-in. chalcopyrite-sphalerite vein in hanging wall of 3-ft thick gray quartz-barite-galena sphalerite vein.
3-in. quartz-barite-galena-sphalerite vein in footwall split.
4-in. barite-quartz-sphalerite and galena.
Stopes
Slopes
Shaft
Raise
Winze
Level
Vein
Fault
Shear
Fracture
Gouge
Slope
Stope
Drift
Adit
Tunnel
Alt. 8250 ft
Alt. 8520 ft
Alt. 8250 ft
Alt. 8520 ft
Alt. 8250 ft
Alt. 8520 ft