



EXPLANATION

SEDIMENTARY AND PRE-CAMBRIAN ROCKS

- Pennington**
Weber (?) formation
(Sandstone, shale, arkose, with black shale containing coal seams at base)
- Mississippian and Devonian?**
Leadville limestone ("Blue limestone")
(Medium-bedded dark-blue limestone, shaly at base)
- Yule limestone**
(Part of quartzite member, medium-grained hard quartzite with clay shale above and below, locally in center; w "White limestone member")
- Upper Cambrian**
Sawatch quartzite
(Lower quartzite; Transition shale at top)
- Granite**
(Generally reddish, in places porphyritic. Contains included areas of hornblende schist, quartzite schist, and mica schist; cut by many aplite dikes)

IGNEOUS ROCKS

EXTRUSIVE ROCKS

- Agglomerate
(Glassy to fine crystalline, locally banded rhyolite, in places without inclusions but usually crowded with fragments of all other rocks and ore)

INTRUSIVE ROCKS

- Evans Gulch porphyry
- Gray porphyry
- White porphyry

- Geologic boundary
- Geologic boundary (approximate)

- Fault
(Arrow shows direction of dip)
- Fault (approximately located)

- Blanket ore body in Leadville ("Blue") limestone
(Belonging mineralogically to several different types. In the Ibez mine some of these may be mineralized beds in the Weber (?) formation)

- Blanket ore body in "White" limestone or "Lower" quartzite
(Dotted where horizon is uncertain)

- Stockwork

- Ore body containing magnetite in large amount and belonging to the earliest stages of mineralization

- Vein reaching bed rock surface
- Vein not reaching bed rock surface
(Some veins cannot be shown)

- Shafts
- Prospect
- Mine workings
- Mine workings (approximate)
- Incline
- Tunnel opening

MAP OF BREECE HILL, LEADVILLE MINING DISTRICT, REGION ABOUT HEAD OF EVANS GULCH

0 500 1000 1500 2000 FEET