



LEGEND

SEDIMENTARY ROCKS

- Recent**
- Quaternary**
- Pleistocene**
- Pre-Cambrian**
- Recent**
- Quaternary**
- Pleistocene**
- Pre-Cambrian**

- Qal**  
Alluvium and debris sheets  
(Stream deposits in present flood plains and angular debris from rock disintegration)
- Qgr**  
Outwash gravels  
(Valley trains, outwash plains, and aprons of Wisconsin glacial stage)
- Qmw**  
Moraines of Wisconsin glacial stage
- Qps**  
Moraines of pre-Wisconsin glacial stage
- Qgl**  
Approximate limit of Clear Creek glacier of pre-Wisconsin glacial stage
- Is**  
Idaho Springs formation  
(Quartz-biotite schist, hornblende schist, and small amounts of limestone rock; probably metamorphosed sediments)

IGNEOUS ROCKS

- Sp**  
Granite porphyry  
(Three dikes of pale pinkish, finely granular rock near Idaho Springs)
- bp**  
Bostonite and bostonite porphyry
- bd**  
Hornblende and biotite diorite  
(Two dikes between Caribou and Nederland)
- ba**  
Hornblende and biotite andesite  
(Dikes between Caribou, Eldora, and Nederland)
- bm**  
Hornblende monzonite porphyry  
(Dikes between Phoenix and Caribou)
- ir**  
Titaniferous iron ores and associated gabbros, etc., near Caribou
- mp**  
Monzonite and monzonite porphyry  
(Quartz monzonite porphyry, monzonite porphyry, quartz monzonite, etc.)
- u**  
Undetermined intrusives
- spg**  
Silver Plume granite  
(Light to dark gray biotite granite, in places porphyritic)
- gfp**  
Granite pegmatite  
(Rocks of granitic composition but coarse and irregular texture)
- gdh**  
Quartz diorite and hornblende  
(Dark colored, medium grained, varying from quartz diorite to hornblende)
- gn**  
Granite gneiss  
(Light to dark gray foliated rocks of medium coarseness)
- so**  
Strike and dip of foliation

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 Triangulation by H. L. Baldwin, Jr.  
 Surveyed in 1903  
 Culture revised in 1910 by Lee Morrison

GEOLOGIC MAP OF A PART OF THE CENTRAL CITY QUADRANGLE, COLORADO

Geology by Edson S. Bastin  
 assisted by James M. Hill  
 Surveyed in 1911 and 1912

