

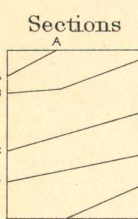
U. S. GEOLOGICAL SURVEY  
CHARLES D. WALCOTT, DIRECTOR

# HISTORICAL GEOLOGY SHEET

COLORADO  
WALSBERG QUADRANGLE

## LEGEND

### LEGEND (continued)



(Areas of Sedimentary rocks are shown by patterns of parallel lines.)

**Nn**  
Nussbaum formation  
(sandstone and conglomerate)

**Ech**  
Cuchara formation  
(cavernous variegated sandstone, brown clay and sand at base)

**Epc**  
Poison Canyon formation  
(conglomerate and sandstone with beds of yellow clay)

**Kl**  
Laramie formation  
(sandstone and shale containing seams of coal)

**Ktd**  
Trinidad formation  
(massive and shaly sandstone)

**Kp**  
Pierre shale  
(shale of various shades of gray with concretions)

**Ka**  
Apishapa formation  
(coarsely laminated shale often laminated paper shale at base)

**Kt**  
Timpan formation  
(colorous shale with thin-bedded limestone)

**Kcr**  
Carlile shale  
(gray shale capped by soft sandstone)

**Kgn**  
Greenhorn limestone  
(thin bedded limestone with shale partings)

**Kgs**  
Graneros shale  
(gray and dark-colored shale with concretions)

**Kd**  
Dakota sandstone  
(fine grained massive sandstone, fireclay, coarse sandstone, and conglomerate)

**Jm**  
Morrison formation  
(variegated shale and clay limestone, and sandstone)

**Cb**  
Badito formation  
(fine grained red sandstone and coarse conglomerate)

**an**  
Andesite  
(lava flow)

**llp**  
Late lamprophyre, basalt, and granite-felsophyre  
(dikes and sheets)

**emp**  
Silver Mt. monzonite-porphyr, early lamprophyre, and early monzonite-porphyr  
(stocks, dikes, and sheets)

**Ar**  
Granite and schist

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(stocks, dikes, and sheets)

Henry Gannett, Chief Topographer;  
E. M. Douglas, Topographer in charge;  
Triangulation by A. H. Thompson;  
Topography by R. O. Gordon and W. J. Lloyd;  
Surveyed in 1894.

Scale 1:25000  
Miles  
Kilometers

Contour interval 50 feet.  
Datum is mean sea level.  
Edition of Sept. 1900.

Geology by R. C. Hills  
Surveyed 1895-1896.

Legend is continued on the left margin.