

U.S. GEOLOGICAL SURVEY
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DIRECTOR

ECONOMIC GEOLOGY

COLORADO
(DOLORES COUNTY)
RICO SPECIAL MAP

LEGEND

METAMORPHIC ROCKS OF UNKNOWN ORIGIN



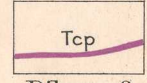
Schist

IGNEOUS ROCKS

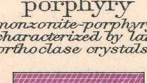
(Areas of igneous rocks are shown by patterns of triangles and rhombs)



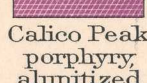
Basic dikes



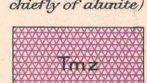
Dikes of Calico Peak porphyry



Calico Peak porphyry, aluminized



Monzonite



Hornblende monzonite porphyry

Faults

(dashed line location indicated by dashes)

Concealed faults

(covered by younger deposits)

Strikes and dip of stratified rocks

Mines

Shafts

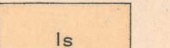
Crosscut tunnels

Mine and prospect tunnels

Prospects

Mine names, represented on the map by numbers, are printed in the back of this sheet.

LEGEND



Landslides

(a confused mixture of large and small blocks of various formations from the slopes above)

SEDIMENTARY ROCKS

(Areas of subaqueous deposits are shown by patterns of parallel lines; subaerial deposits by patterns of dots and circles)



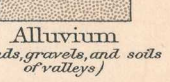
Calcareous tufa

(in terraces and mounds)



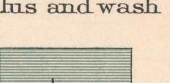
Tormental fans

(accumulations of loose rock fragments at mouths of ravines and gulches)

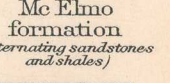


Alluvium

(sands, gravels, and soils of valleys)

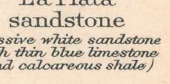


Talus and wash



Me Elmo formation

(alternating sandstones and shales)



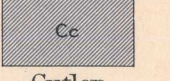
La Plata sandstone

(massive white sandstone with thin blue limestone and calcareous shale)



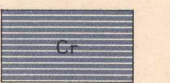
Dolores formation

(oolitic shale and conglomerate, locally fossiliferous, prevailing color bright red)



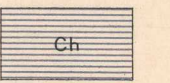
Culebra formation

(sandstone, grit, conglomerate, and some calcareous shale, prevailing color red)



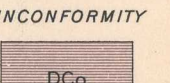
Rico formation

(sandstone, limestone, and shale, of red or gray color; fossiliferous)



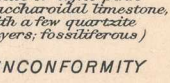
Hermosa formation

(sandstone, shale, and limestone, of gray color; fossiliferous)



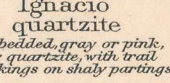
Ouray limestone

(white or light pink crystalline limestone, with a few quartzite layers; fossiliferous)



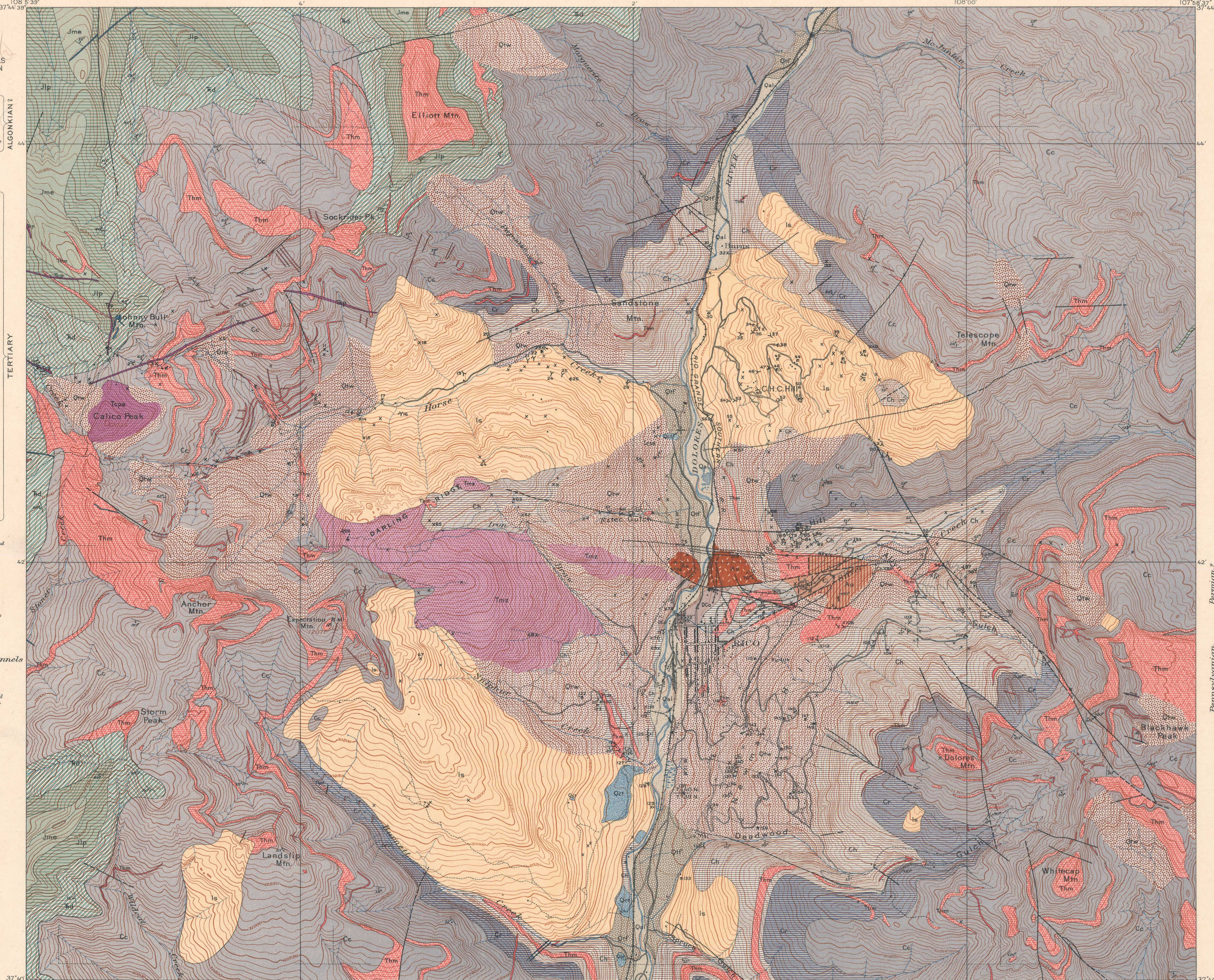
Ignacio quartzite

(thin-bedded, gray or pink, wavy quartzite with markings on shaly partings)



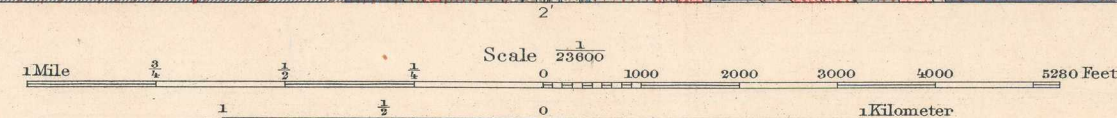
Uncompahgre formation

(massive, white or gray quartzite, locally conglomeratic)



E. M. Douglas, Geographer in charge.
Triangulation by E. M. Douglas and T. M. Bannon.
Topography by W. M. Beaman.
Surveyed in 1898.

APPROXIMATE MEAN
DECLINATION 1902.



Contour interval 50 feet.

Datum is mean sea level.

Corrected positions of meridians and parallels shown by intersections of dotted lines.

Edition of Oct. 1905

DIAGRAM OF TOWNSHIP
18 19 20 21 22
7 8 9 10 11 12
13 14 15 16 17 18
19 20 21 22 23 24
25 26 27 28 29 30
31 32 33 34 35 36

Geology by Whitman Cross and A.C. Spencer.
Surveyed in 1898-9.

Legend is continued on the left margin.