

LEGEND

Is
Landslides

SEDIMENTARY ROCKS

(Areas of subvolcanic deposits are shown by patterns of parallel lines, subaerial deposits by patterns of dots and circles)

Qal
Alluvium
(sands and soils of valleys)

Qf
Torrential fans
(accumulations of loose material on the heads of ravines and gulches)

Qrs
Rock streams
(masses of rock which have moved on their rock beds and contain clasts in form)

Qm
Moraines
(hills, gravel, and sand)

Tt
Tertiary conglomerate
(boulders of granite and limestone, quartzite, and sandstone)

UNCONFORMITY

Cc
Cutler formation
(sandstone, limestone, and shale, of red or gray color, fossiliferous)

Ch
Rico formation
(sandstone, limestone, and shale, of red or gray color, fossiliferous)

Hm
Hermosa formation
(sandstone, shale, and limestone, of grayish color, fossiliferous)

Mf
Molas formation
(red, calcareous, sandy shale, with thin, fossiliferous limestone layers, fossiliferous)

UNCONFORMITY

Dc
Ouray limestone
(white or light-pink, micaceous limestone, with a few quartzite layers, fossiliferous)

De
Elbert formation
(calcareous shale, thin limestone, and quartzite, characterized by casts of small corals)

UNCONFORMITY

Qz
Ignacio quartzite
(thin-bedded, gray or pinkish quartzite, with fossil markings on slab surfaces)

UNCONFORMITY

Au
Uncompahgre formation
(massive, white or gray quartzite, locally conglomeratic, with dark shale or shale bands, Au)

UNCONFORMITY

Ms
METAMORPHIC ROCKS OF UNKNOWN ORIGIN
(Areas of metamorphic rocks of unknown origin are shown by rectangles of short dashes)

As
Schist and gneiss
(finely foliated rocks of varying character, dark gray in color)

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

Tp
Quartz-monzonite
(stocks and dikes)

Trh
Intrusive porphyries
(dikes, small stocks, localities, and regular masses)

Tan
Intrusive rhyolite
(dikes and sheets)

Tp
Intrusive andesite
(dikes, small stocks, and sheets of andesite or latite)

Tp
Potosi volcanic series
(flows and tuffs of quartz latite and rhyolite)

Legend is continued on the left margin.

LEGEND

IGNEOUS ROCKS (continued)

Tpa
Pyroxene-andesite
(bearing augite and hypersthene, tuffs, and dikes)

Tb
Burns latite
(containing hornblende, biotite, and augite, flows and tuffs)

Te
Eureka rhyolite
(mainly flows and dikes of rhyolite, some tuffs)

Tpy
Picayune andesite
(augite bearing, massive and breccia)

Ts
Silverton volcanic series undifferentiated
(andesite and rhyolite flows, tuffs, and breccia)

Taj
San Juan tuff
(bedded tuff and breccia or agglomerate of andesitic material)

db
Diabase
(cuts schist and granite)

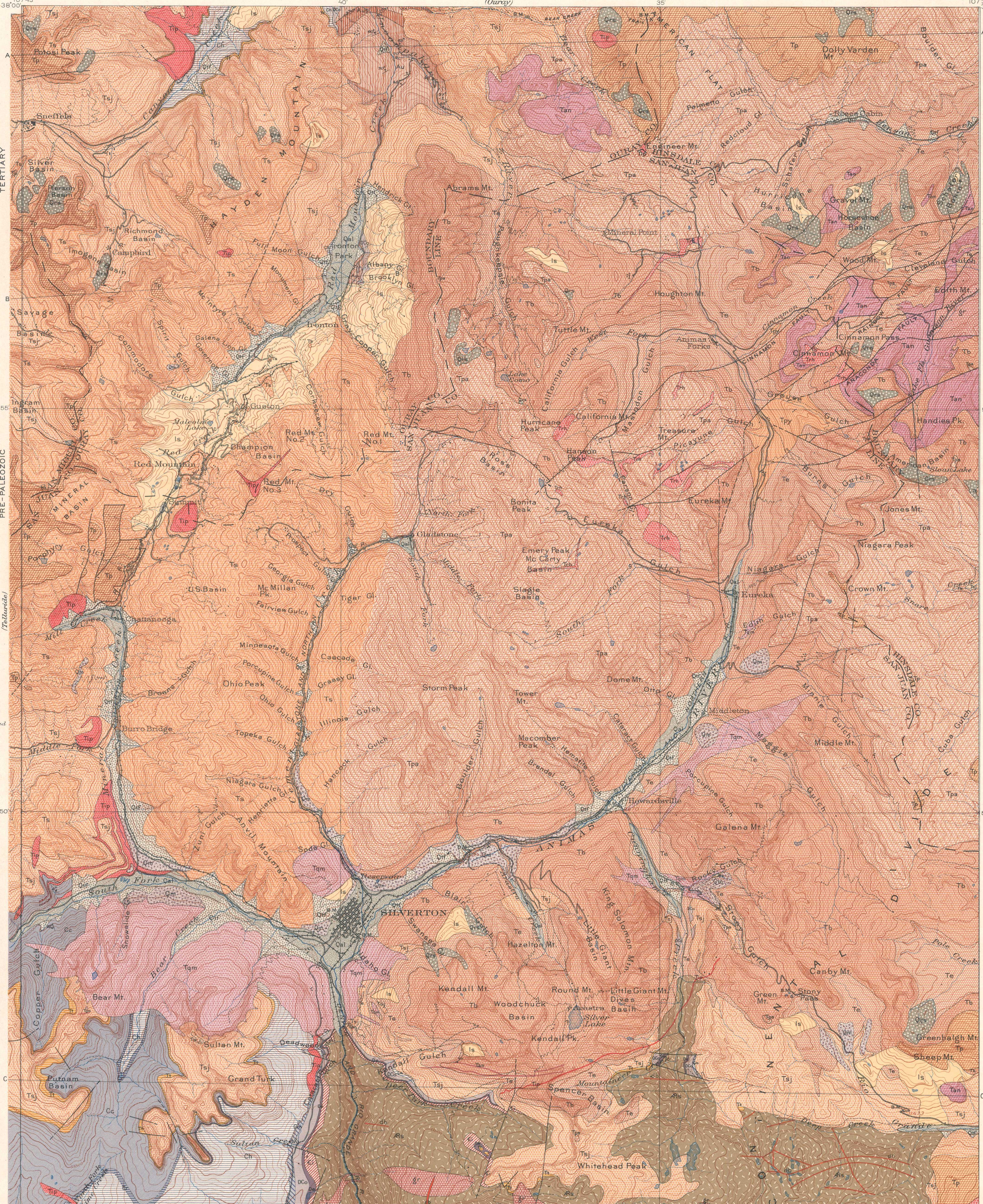
G
Granite
(dikes and large irregular masses cutting schist)

Known faults
(doubtful location indicated by dashes)

Concealed faults
(covered by younger deposits)

Sections
A
B
C

20°
Strike and dip of stratified rocks



E. M. Douglas, Geographer in charge.
Control by Frank Tweedy.
Topography by W. M. Beaman and Arthur Stiles.
Surveyed in 1895 and 1900-1901.

Scale 55,000
Miles
Kilometers

Contour interval 100 feet.
Datum is mean sea level.
Projection based on U.S. Coast and Geodetic Survey data of 1900.
Projection of T. Barlow sheet based on earlier data.
Edition of Nov. 1904.

Areal Geology by Whitman Cross,
Ernest Howe, and A.C. Spencer.
Assisted by J. Morgan Clements,
G.W. Stose, and R.D. George.
Surveyed in 1899, 1900, and 1901.