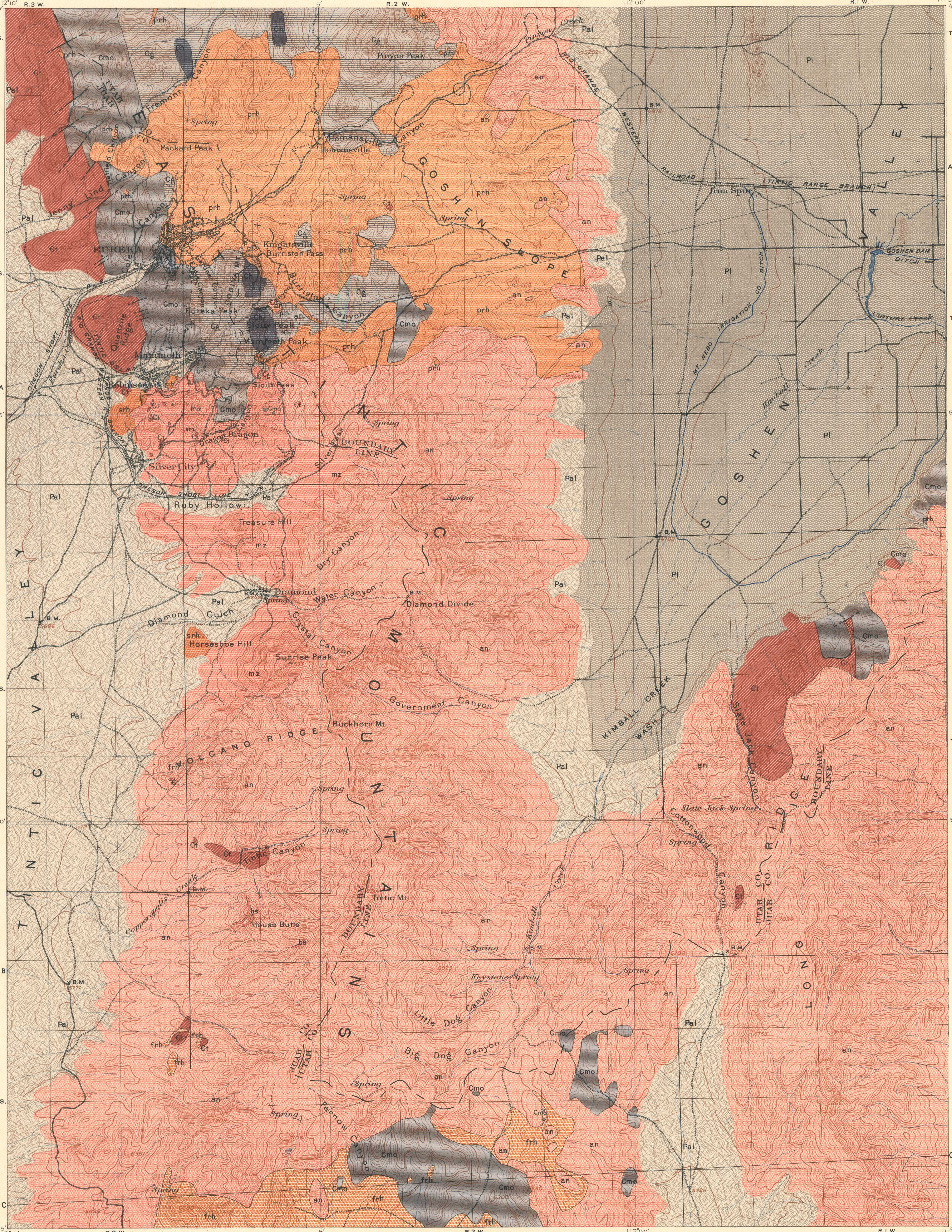
U.S. GEOLOGICAL SURVEY
CHARLES D. WALCOTT, DIRECTOR

HISTORICAL GEOLOGY SHEET

UTAH
TINTIC SPECIAL MAP



LEGEND

SURFICIAL ROCKS
(Areas of Surficial rocks are shown by patterns of dots and circles.)

PLEISTOCENE
- Pal — Alluvium *(stream gravels, sand, and silt)*
- Pl — Bonneville lake beds *(sands and gravels in terraces, bars, and deltas)*

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

CARBONIFEROUS
- Ch — Humbug formation *(alternating beds of fossiliferous sandstone and limestone)*
- Cg — Godiva limestone *(blue and black fossiliferous limestone)*
- Cmo — Mammoth limestone *(gray and blue dolomite and dolomitic limestone)*

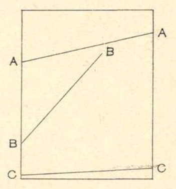
CAMBRIAN
- Ct — Tintic quartzite *(massive quartzite with clay slate at top)*

IGNEOUS ROCKS
(Areas of Igneous rocks are shown by patterns of triangles and rhombs.)

NEOCENE?
- bs — Basalt dikes and sheets
- mz — Monzonite *(porphyritic in part)*
- an — Andesite *(lava flows and tuffs; latite in part)*
- prh — Packard rhyolite *(flows and sheets)*
- frh — Fernow rhyolite *(lava flows)*
- srh — Swansea rhyolite *(intrusive bodies of "quartz-porphyry")*

Faults

Sections



R.U. Goode, Geographer in charge.
Triangulation by S.S. Gannett.
Topography by R.B. Marshall.
Surveyed in 1897.

Scale $\frac{1}{62500}$

1 ½ 0 1 2 3 4 Miles

1 ½ 0 1 2 3 4 5 Kilometers

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

S.F. Emmons, Geologist in charge.
Geology by George Warren Tower, Jr. and George Otis Smith.
Surveyed in 1897.