

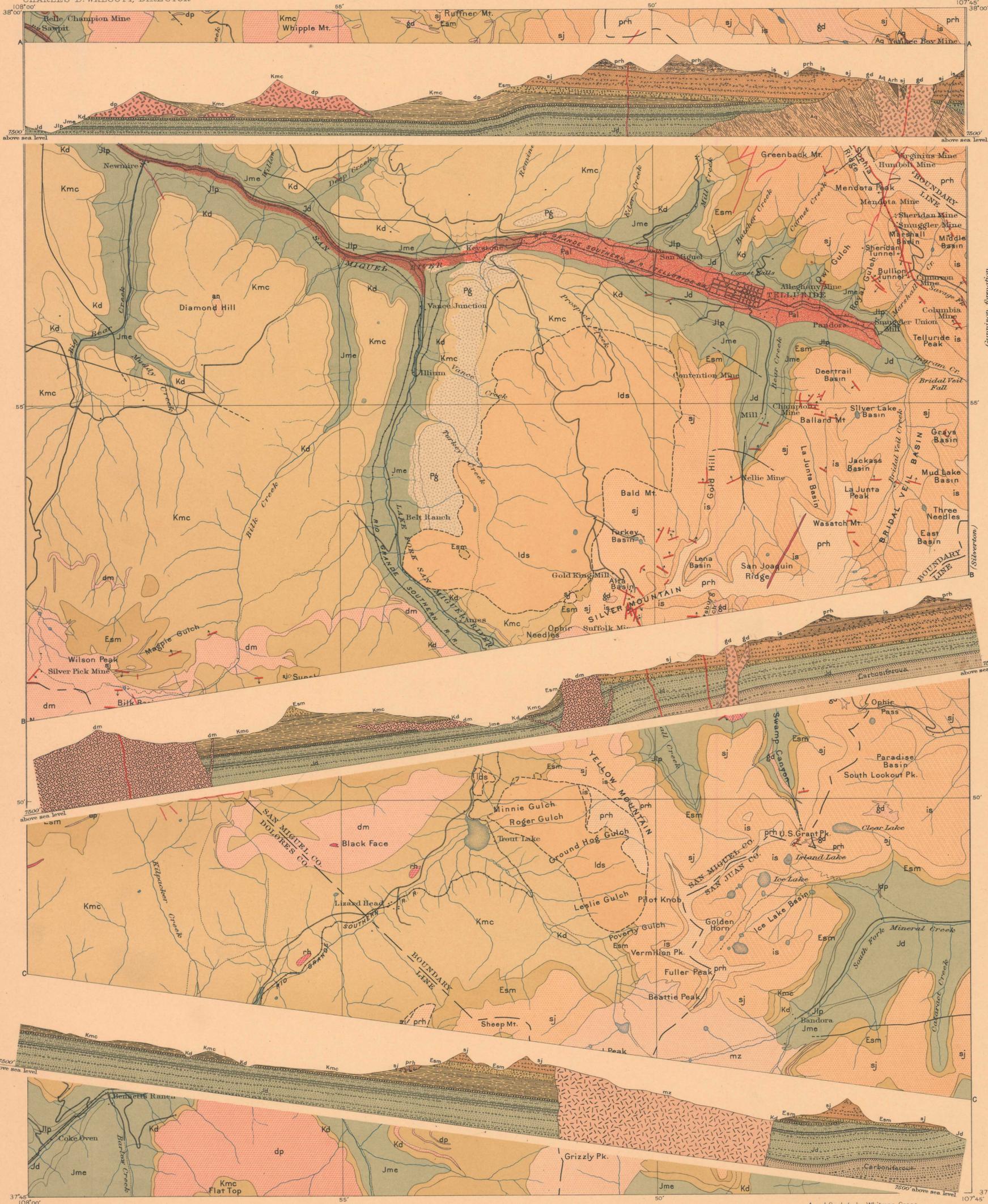
U.S. GEOLOGICAL SURVEY
CHARLES D. WALCOTT, DIRECTOR

STRUCTURE-SECTION SHEET

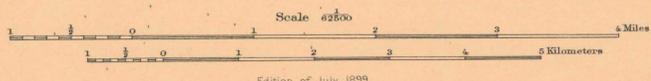
COLORADO
TELLURIDE QUADRANGLE

LEGEND

- SURFICIAL ROCKS**
- SHEET SYMBOL
- Pa Alluvium (lake and river deposits)
- Pg Glacial boulder deposit
- SEDIMENTARY ROCKS**
- SHEET SYMBOL
- Esm San Miguel formation (conglomerate containing pebbles of granite, schist, quartzite, limestone, and sandstone)
- Kmc Mancos shale (includes the Denton and Wraya formations and part of the Pierre)
- Kd Dakota formation (mainly sandstone with shale and impure coal)
- Jme McElmo formation (alternating sandstone and shales)
- Jlp La Plata sandstone (two white sandstone beds with dark limestone between)
- Jd Dolores formation (sandstone, conglomerate, and some shales; prevailing color red)
- Aq Quartzite
- IGNEOUS ROCKS**
- SHEET SYMBOL
- prh Basic dikes (basalt and several other dark-colored rocks)
- an Andesite (development relation to other andesites not known)
- gp Granite porphyry (irregular intrusive bodies)
- gd Gabbro-diorite (stocks and associated dikes or sheets)
- dm Diorite monzonite (stocks and associated dikes or sheets)
- mz Monzonite (large stocks)
- dp Diorite porphyry (associated with stocks and dikes)
- rh Rhyolite (volcanic plugs piercing Cretaceous shales)
- prh Potosi rhyolite series (several flows and variable tuff beds)
- is Intermediate series (consisting of andesite and rhyolite flows, tuff, breccia, and agglomerate)
- sj San Juan series (blocky tuff breccia, and agglomerate of andesitic material)
- ids Landslides (San Miguel formation and San Juan and higher volcanic series in contact relation)
- Arh Older rhyolite (associated with Algonkian quartzite)
- Faults**
- Landslide boundaries
- Gold quartz veins showing dip and strike
- Known productive formations
- Gravel, somewhat auriferous



Henry Gannett, Chief Topographer.
E. M. Douglas, Topographer in charge.
Triangulation by Hayden Survey.
Topography by Frank Tweedy.
Surveyed in 1894.



Areal Geology by Whitman Cross.
Assisted by H.S. Gane, E.C.E. Lord, and A.C. Spencer.
Economic Geology by Chester W. Furlington.
Surveyed in 1895-96.