

# GEOLOGIC MAP

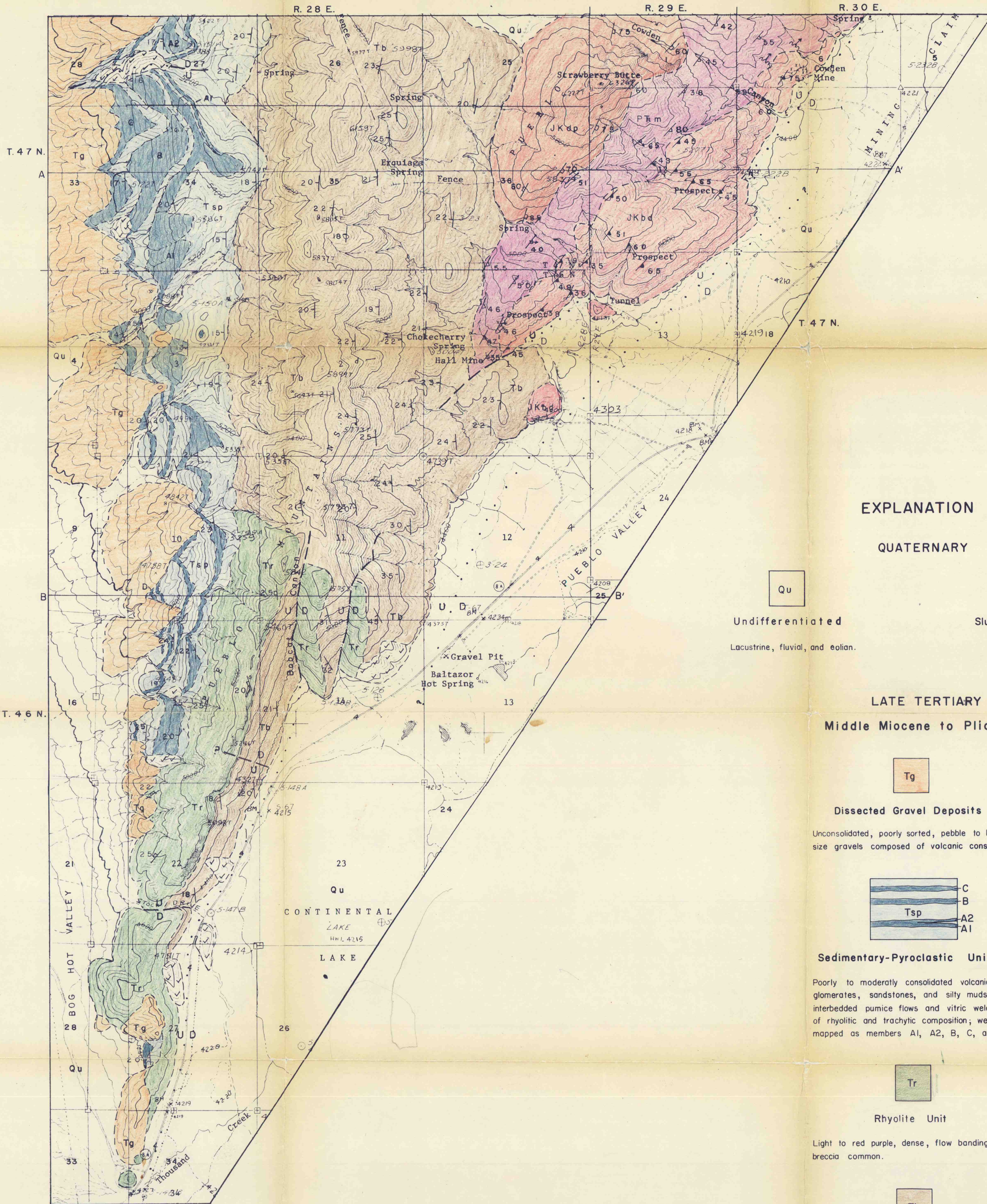
## SOUTHERN PART OF THE PUEBLO MOUNTAINS HUMBOLDT COUNTY, NEVADA

by  
Rollins Burnam  
Oregon State University  
1970

2000 1000 0 2000 4000 6000 8000 FEET

Contour Interval 40 Feet  
Datum is mean Sea Level

N  
Approximate Mean 18° Declination, 1965



### EXPLANATION

#### QUATERNARY

Qu Undifferentiated  
Lacustrine, fluvial, and eolian.

Slumped and Slide Areas

#### LATE TERTIARY Middle Miocene to Pliocene

Tg Dissected Gravel Deposits  
Unconsolidated, poorly sorted, pebble to boulder size gravels composed of volcanic constituents.

Sedimentary-Pyroclastic Unit  
Poorly to moderately consolidated volcanic conglomerates, sandstones, and silty mudstones with interbedded pumice flows and vitric welded tuffs of rhyolitic and trachytic composition; welded tuffs mapped as members A1, A2, B, C, and D.

Tr Rhyolite Unit  
Light to red purple, dense, flow banding and flow breccia common.

Tb Basalt Unit  
Light to dark gray, dense to porphyritic, thin pahoehoe flows common; includes minor interbedded air fall tuffs, welded and non-welded ash flow tuffs, cinder beds, and volcanic sandstones, intruded by single diabase dike (d).

#### JURASSIC - CRETACEOUS

JKdp Diorite Porphyry Unit  
Greenish gray, massive, epidotized, plagioclase phenocrysts.

JKbd Biotite Diorite Unit  
Medium dark gray to dark greenish gray, commonly foliated, epidotized; locally grades to quartz diorite; intruded by apite and porphyritic andesite dikes; contains mineralized quartz veins.

#### PERMO - TRIASSIC

P'm Metasedimentary Unit  
Light gray quartz-muscovite and greenish gray quartz-chlorite-muscovite schists with minor metaquartzite; unit contains mineralized quartz veins.

### MAP SYMBOLS

Contact; dashed where approximately located, queried where doubtful.

Fault; dashed where approximately located, dotted where projected beneath mapped units, queried where doubtful.

Strike and dip of bedding

Strike and dip of foliation

Strike and dip of schistosity

Trends of lineations lying in planes of schistosity

Strike and dip of jointing

Axial trend of minor folds too small to plot individually