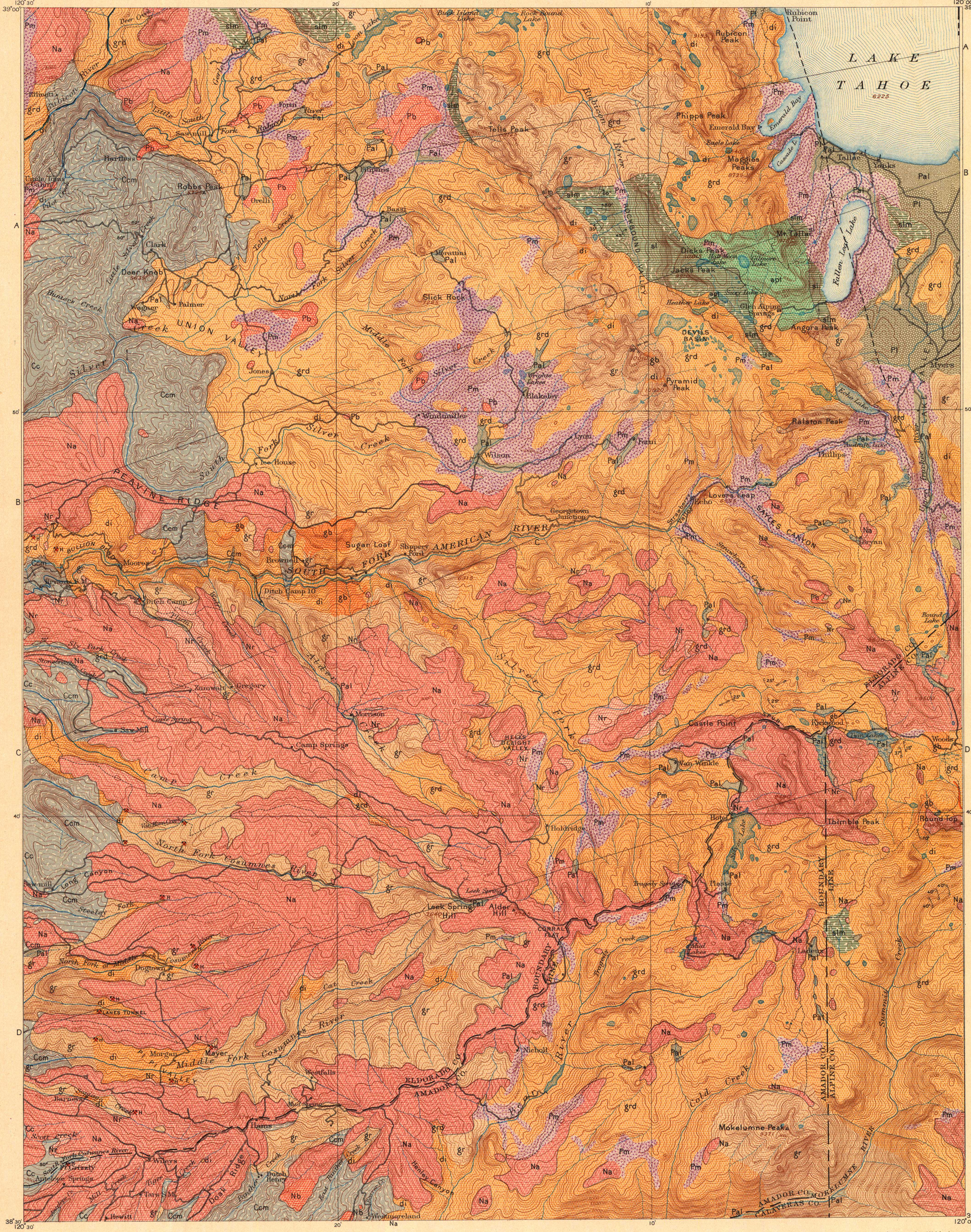
U.S. GEOLOGICAL SURVEY
CHARLES D. WALCOTT, DIRECTOR

ECONOMIC GEOLOGY

CALIFORNIA
PYRAMID PEAK SHEET



LEGEND

SURFICIAL ROCKS

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

SUPERJACENT SERIES — PLEISTOCENE

- Pal — Alluvium *(bottom lands and meadows)*
- Pm — Moraines
- Pl — Lake beds *(sands and gravels)*

SEDIMENTARY ROCKS

(Areas of Sedimentary rocks are shown by patterns of parallel lines. Metamorphism is indicated by short dashes combined with the parallel lines.)

BED-ROCK SERIES — JURATRIAS ?

- sl — *(detached masses of slate, quartzite, and porphyrite-tuff included in granitic rocks, probably equivalent to the Sailer Canyon formation)*
- slm — *(contact metamorphic schists, chiefly micaceous, derived from the above described rocks)*

BED-ROCK SERIES — CARBONIFEROUS *(and perhaps older)*

- Cc — Calaveras formation *(slates and quartzites)*
- Ccm — Calaveras formation *(contact metamorphic rocks, chiefly mica-andalusite-schist)*

IGNEOUS ROCKS

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

SUPERJACENT SERIES — PLEISTOCENE

- Pb — Basalt

SUPERJACENT SERIES — NEOCENE

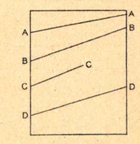
- Na — Andesite *(tuffs and breccias with subordinate areas of massive rock)*
- Nb — Basalt
- Nr — Rhyolite *(chiefly tuffs, in places with intercalated gravel beds)*

BED-ROCK SERIES — AGE OF PROBABLE JURATRIAS ROCKS, OR YOUNGER

- gr — Granite *(granitite)*
- grd — Granodiorite
- di — Diorite *(with transitions to gabbro)*
- gb — Gabbro
- apt — Augite-porphyrite *(with some uralite-porphyrite)*

Probable fault

Sections



- Dip and strike of stratified rocks
- Vertical dip and strike of stratified rocks
- Dip and strike of schistosity
- Vertical dip and strike of schistosity
- Dip and strike of joint structure
- Vertical dip and strike of joint structure
- Quartz veins
- H Hydraulic mines
- Shallow placers

A. H. Thompson, Geographer.
E. M. Douglas, Topographer in charge.
Triangulation by H. E. C. Feusier.
Topography by R. H. Mc Kee.
Surveyed in 1889.

Scale 1/125 000
1 ½ 0 1 2 3 4 5 Miles
1 ½ 0 1 2 3 4 5 Kilometers

Contour Interval 100 feet.
Datum is mean Sea level.
Edition of July 1896.

Geology by W. Lindgren.
Assisted by H. C. Hoover.
Surveyed in 1894.