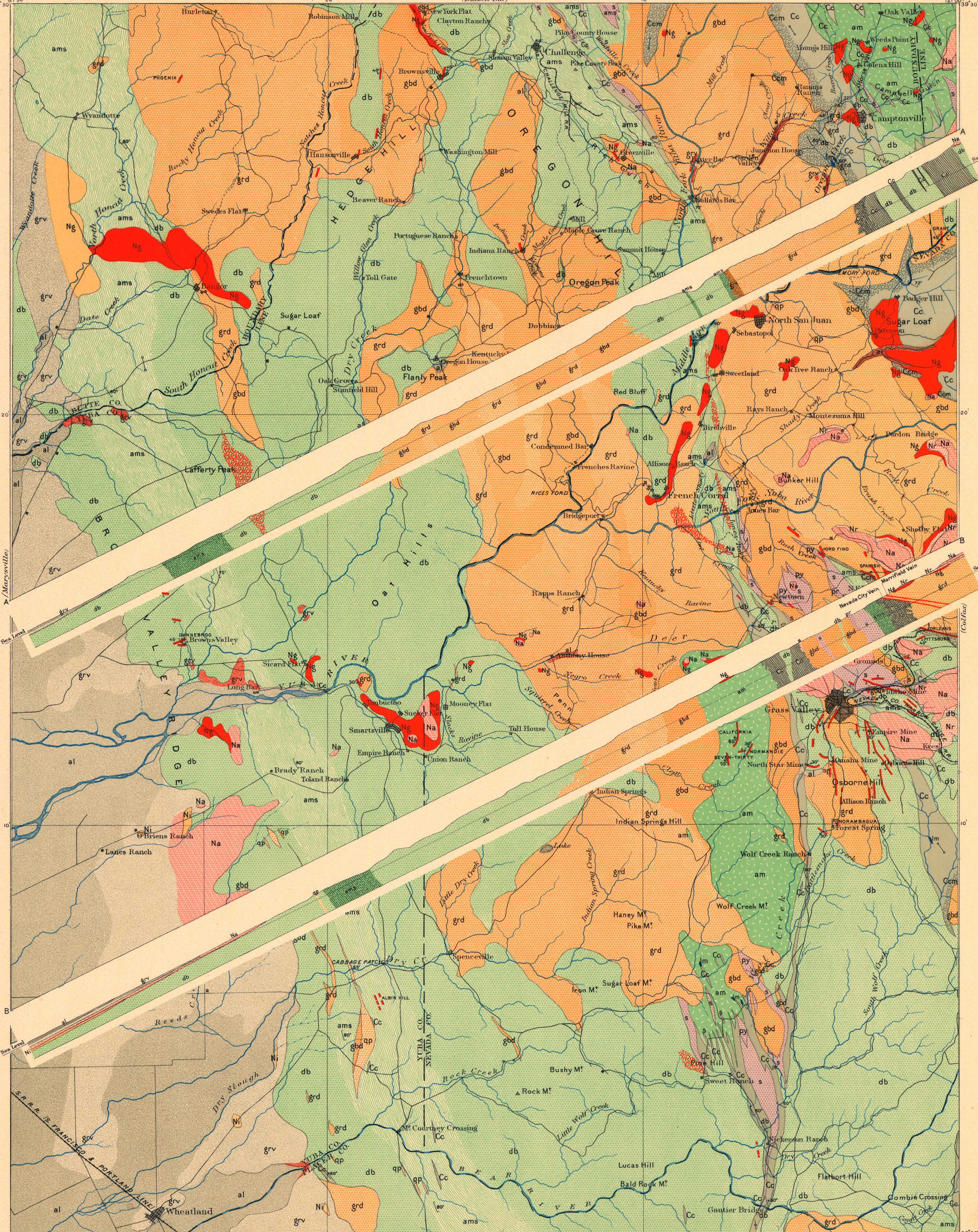


STRUCTURE SECTIONS

LEGEND



- SUPERFICIAL ROCKS**
(Areas of superficial rocks are shown by patterns of dots and circles.)
- LATE: Alluvium (bottom lands) - *al*
 - EARLIER: Shore and river gravels and hardpan (the gravels frequently contain gold) - *grv*
- SEDIMENTARY ROCKS**
(Areas of Sedimentary rocks are shown by patterns of parallel lines.)
- NEOGENE: Auriferous river gravels - *Ng*
 - NEOGENE: Ione formation (clay, sand, and gravel, contains in part some glauconite and small coal seams) - *Ni*
 - CARBONIFEROUS: Calaveras formation (strata quarried and limestone, possibly in part early Devonian and older Paleozoic) - *Cc*
- IGNEOUS ROCKS**
(Areas of igneous rocks are shown by patterns of triangles and rhombs.)
- NEOGENE: Andesite (tafs and breccias) - *Na*
 - NEOGENE: Rhyolite-tuff (with some clay and gravel) - *Nr*
 - EARLIER THAN THE LATE CRETACEOUS (CHICO FORMATION): Granodiorite - *grd*
 - EARLIER THAN THE LATE CRETACEOUS (CHICO FORMATION): Quartz-porphyrite - *qp*
 - EARLIER THAN THE LATE CRETACEOUS (CHICO FORMATION): Gabbro-diorite - *gbd*
 - EARLIER THAN THE LATE CRETACEOUS (CHICO FORMATION): Pyroxenite - *py*
 - EARLIER THAN THE LATE CRETACEOUS (CHICO FORMATION): Peridotite - *pr*
 - EARLIER THAN THE LATE CRETACEOUS (CHICO FORMATION): Serpentine - *s*
 - EARLIER THAN THE LATE CRETACEOUS (CHICO FORMATION): Diabase - *db*
- ALTERED ROCKS**
(Areas of altered rocks are shown by patterns of short dashes.)
- CARBONIFEROUS: Contact metamorphic rock (micaceous and quartzose schists of same age, Calaveras formation) - *Cm*
 - CARBONIFEROUS: Lenses in Calaveras formation (limestone) - *lm*
 - EARLIER THAN THE LATE CRETACEOUS (CHICO FORMATION): Amphibolite (massive, derived from diorite and gabbro-diorite) - *am*
 - EARLIER THAN THE LATE CRETACEOUS (CHICO FORMATION): Amphibolite-schist (derived from diabase and gabbro-diorite) - *ams*
 - EARLIER THAN THE LATE CRETACEOUS (CHICO FORMATION): Schistose granodiorite - *grs*
- Other symbols:**
- Dip and strike of stratified rocks
 - Vertical dip and strike of stratified rocks
 - Dip and strike of schistosity
 - Vertical dip and strike of schistosity
 - Gold quartz veins
 - Zones of auriferous impregnation
 - Auriferous gravels

Henry Gannett, Chief Geographer.
A.H. Thompson, Geographer in charge.
Triangulation by H.M. Wilson.
Topography by H.M. Wilson and A.F. Dunnington.
Surveyed in 1885 and 1886.

Wilson
Dunnington

Scale 125,000
Contour Interval 100 feet
Datum is mean Sea level.
Edition of April 1895.

Lindgren

Geo. F. Becker, Geologist in charge.
Geology by W. Lindgren and H.W. Turner.
Surveyed in 1886-91.

Zones of auriferous impregnation
Auriferous gravels