

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
Gold gravel mines
Other mines and quarries
Prospects

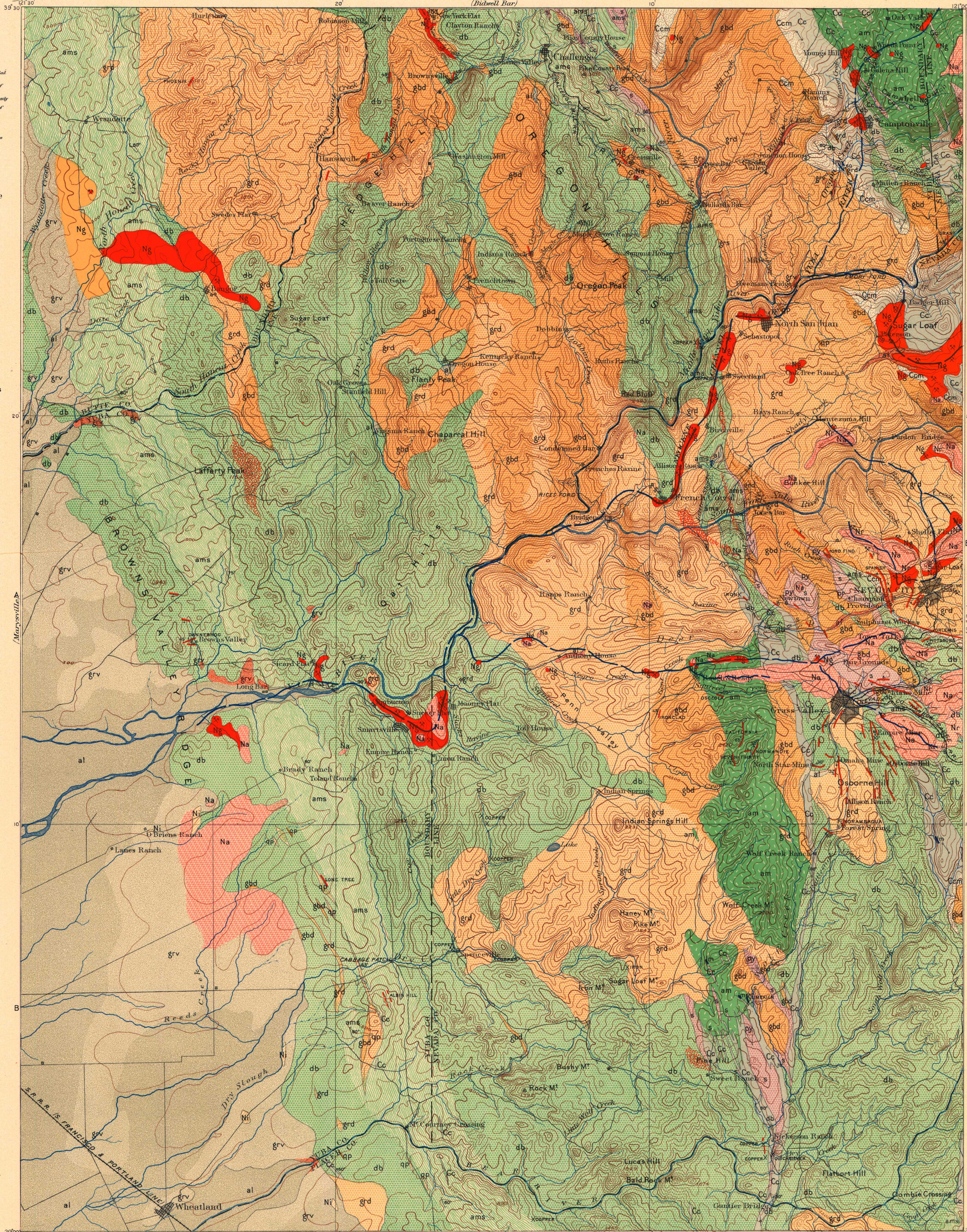
Probable course of Neocene river channels

Known productive formations

Auriferous gravels

Zones of auriferous impregnation

Lenses in Calaveras formation (limestones)



SUPERFICIAL ROCKS
(Areas of Superficial rocks are shown by patterns of dots and circles.)

LATE
al Alluvium (bottom lands)

EARLIER
grv Shore and river gravels and hardpan (the gravels frequently contain gold)

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

SUPERJACENT SERIES
Ng Auriferous river gravels
Ni Lone formation (clay sand and gravel, contains small pebbles in part early Neocene and older Pleistocene)

BED-ROCK SERIES
Cc Calaveras Formation (limestones and shales, possibly in part early Neocene and older Pleistocene)

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

SUPERJACENT SERIES
Na Andesite (tuff and breccia)
Nr Rhyolite-tuff (with some clay and gravel)

BED-ROCK SERIES
grd Granodiorite
qp Quartz-porphyrite
gbd Gabbro-diorite
py Pyroxenite
pr Peridotite
s Serpentine
db Porphyrite and diabase (massive or fragmental, in some cases amphibolite rocks)

ALTERED ROCKS
(Areas of Altered rocks are shown by patterns of short dashes.)

BED-ROCK SERIES
Ccm Contact metamorphic rock (micaceous and quartzose schists of same age as Calaveras formation)
lm Lenses in Calaveras formation (limestones)

EARLIER THAN THE LATE CRETACEOUS (CHICO FORMATION)
am Amphibolite (massive, derived from diabase and gabbro-diorite)
ams Amphibolite-schist (derived from diabase and gabbro-diorite)
grs Schistose granodiorite

EARLIER THAN THE LATE CRETACEOUS (CHICO FORMATION)

Sections
A
B

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.

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

Turner
Lindgren