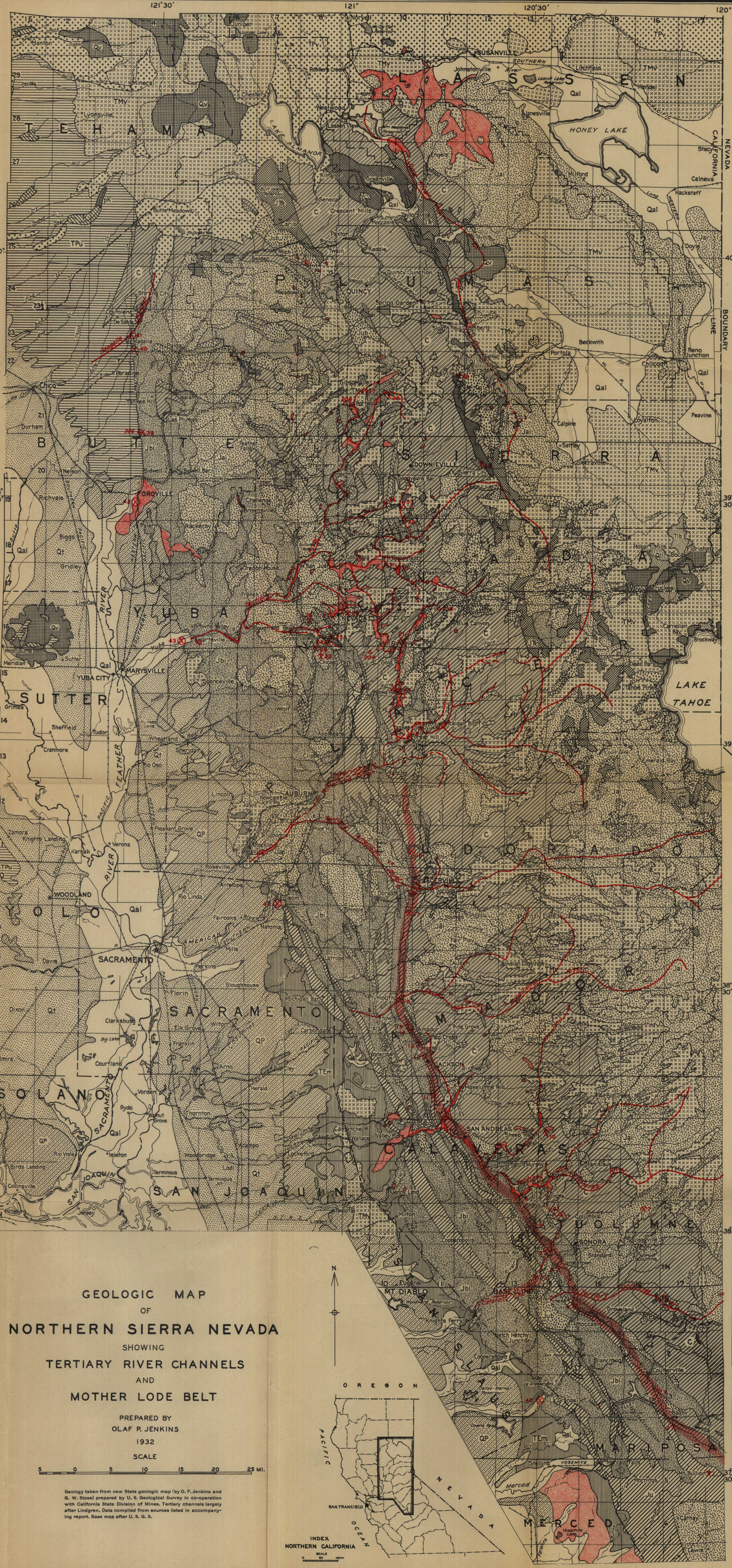


LEGEND

- Qal
Alluvium
- Ql
Lacustrine and playa deposits
- Qt
Terrace alluvial deposits
- Qg
Glacial deposits (moraines, etc.)
- Qv
Chiefly Pleistocene volcanics (chiefly basalt)
- QP
Quaternary and upper Pliocene sediments (chiefly non-marine deposits)
- Tib
Late Tertiary lake beds
- TPu
Upper Pliocene non-marine deposits (Tuscan Turf, etc.)
- TPv
Pliocene volcanics (chiefly basalt)
- TMv
Miocene volcanics and continental deposits (lava flows and tuffs of rhyolite, basalt, tuff, and andesite)
- TEm
Eocene marine deposits (Tone Formation)
- K
Cretaceous marine deposits (chiefly upper Cretaceous or Cretaceous)
- Jai
Acidic intrusives (granite, granodiorite, gabbro, etc.)
- Jbi
Basic intrusives (diabase, amphibolite and hornblende schist)
- Jub
Ultra-basic intrusives (peridotite, pyroxenite, serpentine, etc.)
- Ju
Upper-Jurassic marine deposits (chiefly Mariposa Formation)
- JR
Jurassic and Triassic volcanic and sedimentary rocks (includes about 16 individual formations)
- C
Carboniferous Pennsylvanian and Mississippian sedimentary and igneous rocks (includes the Robinson Formation, Oquirrhos group and other rocks of the Carboniferous period)
- DS
Devonian and Silurian marine deposits (Garderville, Grizzly and Montgomery Formations)
- PK
Pre-Cretaceous metamorphic sedimentary complex (PK)
- PS
Pre-Silurian meta-rhyolite (PS)
- Tg
Tertiary stream gravel deposits (for the most part early Tertiary in age)
- Tertiary river channels (probably early Tertiary in age)
- Interoceanic Tertiary river channels (probably middle Tertiary in age)
- Mother Lode belt (vain system)
- 3
Quartz mines (gold)
- 19
Placer mines (gold)
- 44
Dredging areas (gold)
- Mine number refers to list in accompanying report.
- 208
Fossil locality
Number refers to U. of C. collection.



GEOLOGIC MAP
OF
NORTHERN SIERRA NEVADA
SHOWING
TERTIARY RIVER CHANNELS
AND
MOTHER LODE BELT

PREPARED BY
OLAF P. JENKINS
1932

SCALE
5 0 5 10 15 20 25 MI.

Geology taken from new State geologic map by O. P. Jenkins and G. W. Stone prepared by U. S. Geological Survey in co-operation with California State Division of Mines. Tertiary channels largely after Lindgren. Data compiled from sources listed in accompanying report. Base map after U. S. G. S.

