Preliminary Geologic Maps available from:
https://www.conservation.ca.gov/cgs/rgm/preliminary

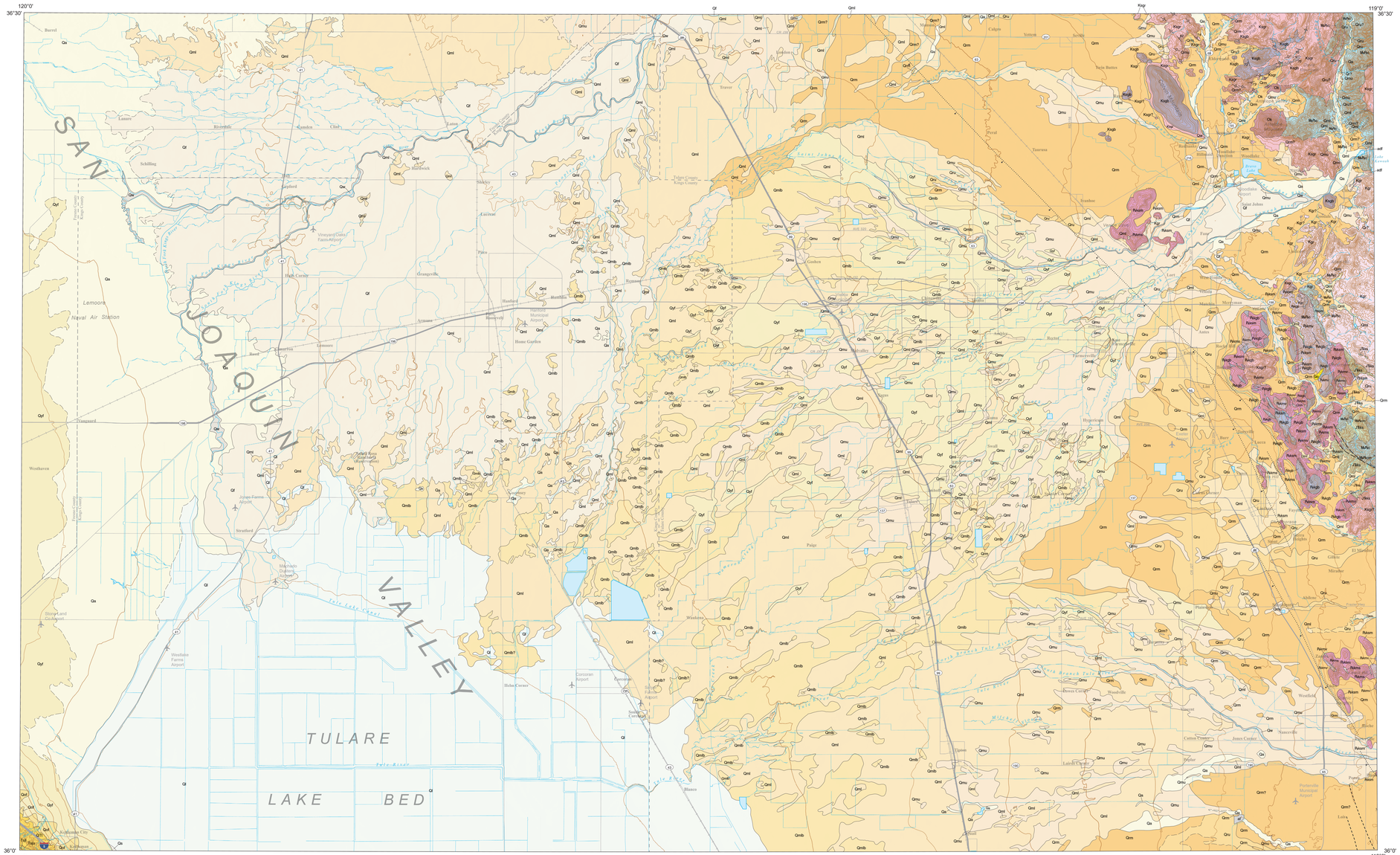
PRELIMINARY GEOLOGIC MAP OF THE VISALIA 30′ × 60′ QUADRANGLE, CALIFORNIA

Version 1.0

Mapped and compiled by

Carlos I. Gutierrez and Eleanor R. Spangler

2026



LIST OF MAP UNITS

Approximate stratigraphic relationships

QUATERNARY SURFICIAL DEPOSITS

- af — Artificial fill (historic)
- adf — Artificial dam fill (historic)
- Qa — Alluvial deposits (late Holocene)
- Qw — Wash deposits (late Holocene)
- Qf — Alluvial fan deposits (late Holocene)
- Ql — Lake deposits (Holocene)
- Qs — Sand deposits (late Holocene)
- Qyf — Young alluvial fan deposits (Holocene to late Pleistocene)
- Qls — Landslide deposits (Holocene to late Pleistocene)
- Qof — Old alluvial fan deposits (late to middle(?) Pleistocene)

QUATERNARY TO TERTIARY SEDIMENTARY UNITS

NORTHEAST SIDE OF SAN JOAQUIN VALLEY

Modesto Formation (late Pleistocene)

- Qmu — Upper member
- Qml — Lower member
- Qmlb — Lower member, basin deposits
- Qr — Riverbank Formation, undivided (Pleistocene)
- Qru — Upper member
- Qrm — Middle member

SOUTHWEST SIDE OF SAN JOAQUIN VALLEY

- QTl — Tulare Formation (Pleistocene and Pliocene)

San Joaquin Formation (Pliocene)

- Tsju — Upper member
- Tsjl — Lower member

CRETACEOUS INTRUSIVE ROCKS

- Kgr — Granitic rocks (Cretaceous)

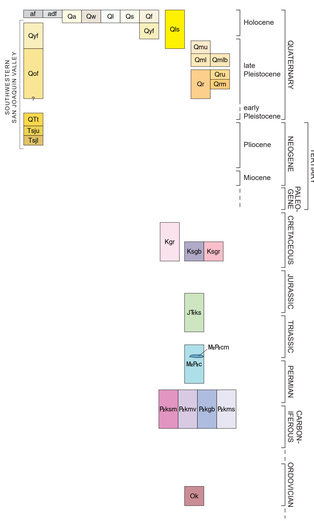
Stokes Mountain plutonic suite (Early Cretaceous)

- Ksgb — Gabbro
- Ksgr — Granitic rocks

MESOZOIC TO PALEOZOIC METAMORPHIC ROCKS

- J'kks — Kings sequence (Early Jurassic to Late Triassic)
- MzPzc — Calaveras Complex (Middle Triassic to Permian)
- MzPzcm — Marble
- Pzksm — Kaweah serpentinite mélange (Permian to Carboniferous)
- Pzkmv — Mafic volcanic rocks
- Pzkgb — Gabbro
- Pzkms — Metasedimentary rocks
- Ok — Kings River ophiolite (Early Ordovician)

CORRELATION OF MAP UNITS

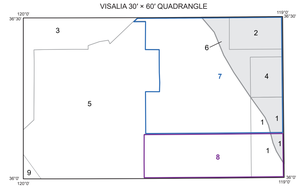


SYMBOL EXPLANATION

- Contact between map units - Solid where accurately located; long dash where approximately located; dotted where concealed; queried where uncertain
- Fault - Long dash where approximately located; short dash where inferred; dotted where concealed
- Normal fault - Dotted where concealed; ball and bar symbol shown on downdropped side
- Strike and dip direction of foliation; number indicates dip angle in degrees:
  - Inclined igneous foliation
  - Vertical igneous foliation

DATA SOURCES INDEX

VISALIA 30′ × 60′ QUADRANGLE



Sources of Map Data

1. Alfors and Putnam, 1964
2. Clemmens-Knott, 2011
3. NRCS Web Soil Survey
4. Putnam and Alfors, 1964
5. Retzer and others, 1946
6. Saleeby and others, 2011
7. Storie and others, 1940
8. Storie and others, 1942
9. Woodring and others, 1940

See accompanying pamphlet for complete references.

Coordinate System:
California (Teale) Albers, North American Datum 1983

Topographic contours and shaded relief image derived from USGS 1/3 arc-second National Elevation Dataset (NED). Hydrology from the National Hydrography Dataset (NHD). Culture and transportation data from the USGS National Map.

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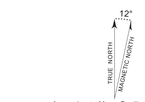
SCALE 1:100,000

1 0 1 2 3 4 5 6 7 8 MILES

1 0 1 2 3 4 5 6 7 8 9 10 KILOMETERS

Contour Interval: 20 meters
Supplementary contour interval: 10 meters



Approximate Mean Declination, 2026

Geology compiled 2022 - 2025

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(see Appendix A of the accompanying pamphlet)

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LOCATION MAP

California
Department of Conservation
California Geological Survey