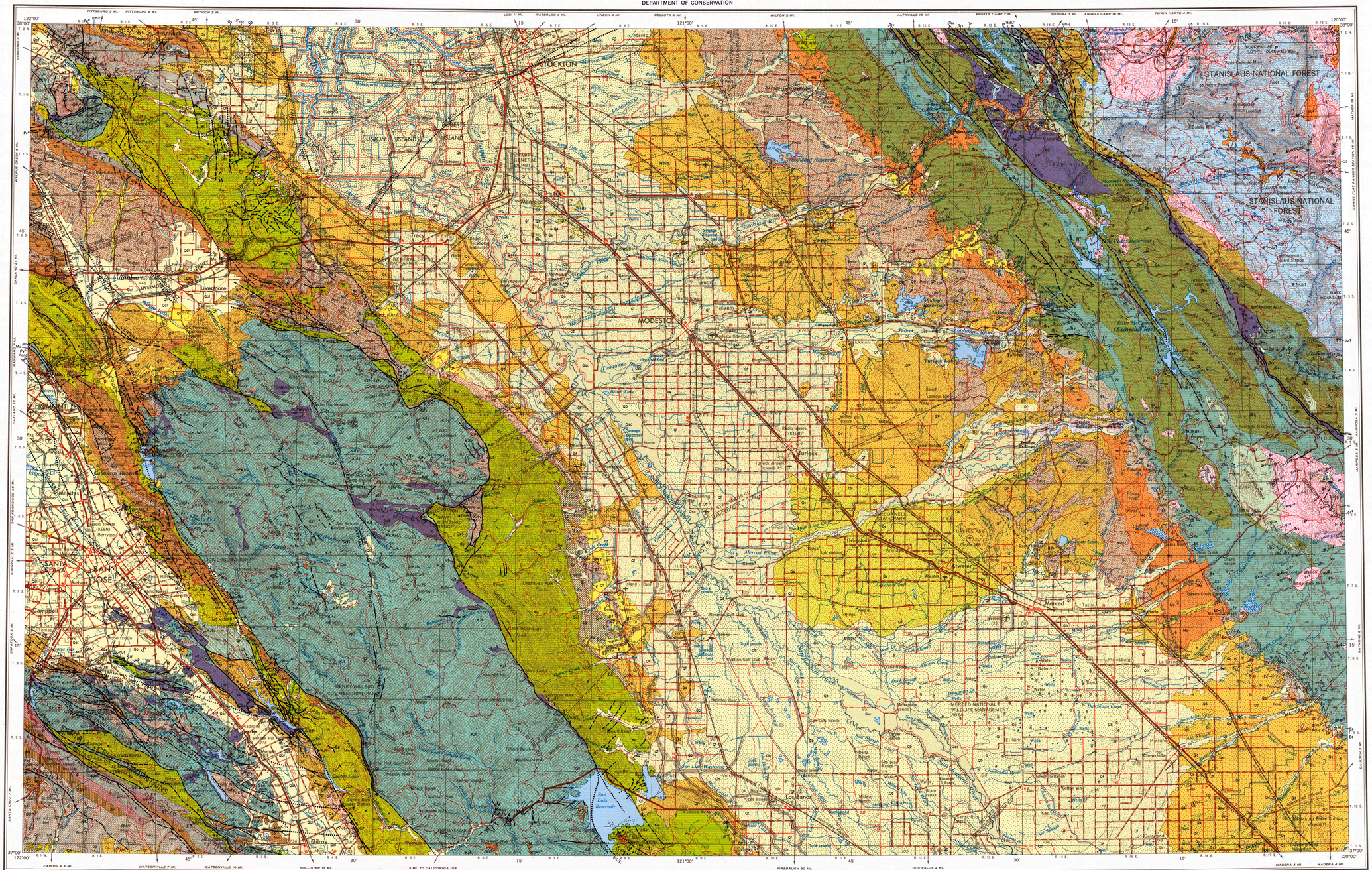
DIVISION OF MINES AND GEOLOGY
IAN CAMPBELL, CHIEF
GORDON B. OAKESHOTT, DEPUTY CHIEF

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF CONSERVATION

GEOLOGIC MAP OF CALIFORNIA
SAN JOSE SHEET



TOPOGRAPHIC BASE MAP

Prepared by the Army Map Service (KC), Corps of Engineers, U. S. Army, Washington, D.C. Compiled in 1962 by photogrammetric methods and from United States Quadrangles, 1:24,000, 1:25,000, 1:62,500, U.S. Geological Survey and AMS, 1942-61. Planimetric detail revised by photo-planimetric methods. Horizontal and vertical control by USGS, USC&GS, CE, Alameda County, California State Land Commission, and State of California. Map field checked in 1962.

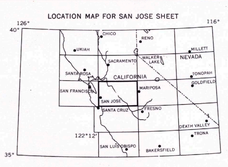
Minor corrections and additions to culture by California Division of Mines and Geology, 1966.

Land net prepared by U.S. Geological Survey

Contact
(Dashed where approximately located, gradational or inferred)

Fault
(Dashed where approximately located; dotted where concealed)

LOCATION MAP FOR SAN JOSE SHEET



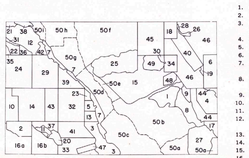
Scale 1:250,000

5 0 5 10 15 20 Statute Miles

5 0 5 10 15 20 25 30 Kilometers

CONTOUR INTERVAL 200 FEET
TRANSVERSE MERCATOR PROJECTION

GEOLOGIC MAP OF CALIFORNIA
OLAF P. JENKINS EDITION
SAN JOSE SHEET
COMPILATION BY THOMAS H. ROGERS, 1966.
SECOND PRINTING, 1972



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Williams & Heinitz Map Corporation, Wash., D.C. 20027

EXPLANATION

SEDIMENTARY AND METASEDIMENTARY ROCKS

CENOZOIC

QUATERNARY

Recent

- Qd — Dune sand
- Qal — Alluvium
- Qsc, Qf, Qb — Stream channel deposits, Fan deposits, Basin deposits (GREAT VALLEY)
- Qsl — Salt deposits
- Ql — Quaternary lake deposits
- Qg — Glacial deposits
- Qt — Quaternary nonmarine terrace deposits

Pleistocene

- Qm — Pleistocene marine and marine terrace deposits
- Qc — Pleistocene nonmarine
- QP — Plio-Pleistocene nonmarine

TERTIARY

Pliocene

- Pc — Undivided Pliocene nonmarine
- Pun — Upper Pliocene nonmarine
- Pu — Upper Pliocene marine
- Pmnc — Middle and/or lower Pliocene nonmarine
- Pml — Middle and/or lower Pliocene marine

Miocene

- Mc — Undivided Miocene nonmarine
- Mun — Upper Miocene nonmarine
- Mu — Upper Miocene marine
- Mmnc — Middle Miocene nonmarine
- Mm — Middle Miocene marine
- Ml — Lower Miocene marine

Oligocene

- Oc — Oligocene nonmarine
- O — Oligocene marine

Eocene

- Ec — Eocene nonmarine
- E — Eocene marine

Paleocene

- Epc — Paleocene nonmarine
- Paleocene marine

Undivided

- Cenozoic nonmarine
- Tertiary nonmarine
- Tl — Tertiary lake deposits
- Tm — Tertiary marine

MESOZOIC

CRETACEOUS

- K — Undivided Cretaceous marine
- Ku — Upper Cretaceous marine
- Lower Cretaceous marine

JURASSIC

- Kn — Knoxville Formation
- Ju — Upper Jurassic marine
- Middle and/or Lower Jurassic marine

TRIASSIC

- Ts — Triassic marine

Franciscan Formation

- Fr — Franciscan volcanic and metavolcanic rocks
- gr — Mesozoic granitic rocks: gr^g-granite and adamellite; gr^d-granodiorite; gr^t-tonalite and diorite
- bi — Mesozoic basic intrusive rocks
- ub — Mesozoic ultrabasic intrusive rocks
- Jtv — Jura-Trias metavolcanic rocks

UNDIVIDED

- Pzl, Pzls — Pre-Cretaceous metamorphic rocks (ls = limestone or dolomite)
- Pzm — Pre-Cretaceous metasedimentary rocks
- P, Pls — Paleozoic marine (ls = limestone or dolomite)

PALEOZOIC

PERMIAN

- Pl — Permian marine

CARBONIFEROUS

- C — Undivided Carboniferous marine
- CP — Pennsylvanian marine
- CM — Mississippian marine

DEVONIAN

- D — Devonian marine

SILURIAN

- S — Silurian marine
- pSs — Pre-Silurian metasedimentary rocks

ORDOVICIAN

- O — Ordovician marine

CAMBRIAN

- Є — Cambrian marine

PRECAMBRIAN

- Cambrian – Precambrian marine
- pЄm — Undivided Precambrian metamorphic rocks
- pЄu — Later Precambrian sedimentary and metamorphic rocks
- pЄe — Earlier Precambrian metamorphic rocks

IGNEOUS AND META-IGNEOUS ROCKS

- Qrv — Recent volcanic: $Q_R v^r$ –rhyolite; $Q_R v^a$ –andesite; $Q_R v^b$ –basalt; $Q_R v^p$ –pyroclastic rocks
- Qpv — Pleistocene volcanic: $Q_P v^r$ –rhyolite; $Q_P v^a$–andesite; $Q_P v^b$ –basalt; $Q_P v^p$ –pyroclastic rocks
- Quaternary and/or Pliocene cinder cones
- Pv — Pliocene volcanic: $P_V v^r$ –rhyolite; $P_V v^a$ –andesite; $P_V v^b$ –basalt; $P_V v^p$ –pyroclastic rocks
- Mv — Miocene volcanic: $M_V v^r$ –rhyolite; $M_V v^a$ –andesite; $M_V v^b$ –basalt; $M_V v^p$ –pyroclastic rocks
- Ov — Oligocene volcanic: $O_V v^r$–rhyolite; $O_V v^a$ –andesite; $O_V v^b$ –basalt; $O_V v^p$–pyroclastic rocks
- Ev — Eocene volcanic: $E_V v^r$ –rhyolite; $E_V v^a$ –andesite; $E_V v^b$ –basalt; $E_V v^p$ –pyroclastic rocks
- QTv — Cenozoic volcanic: $QT_V v^r$–rhyolite; $QT_V v^a$–andesite; $QT_V v^b$ –basalt; $QT_V v^p$ –pyroclastic rocks
- Tv — Tertiary intrusive (hypabyssal) rocks: $T_V r$ –rhyolite; $T_V a$–andesite; $T_V b$–basalt
- Tv — Tertiary volcanic: $T_V r$ –rhyolite; $T_V a$–andesite; $T_V b$ –basalt; $T_V p$ –pyroclastic rocks
- Mzv — Mesozoic volcanic
- Pzv — Paleozoic metavolcanic rocks
- Pv — Permian metavolcanic rocks
- Cv — Carboniferous metavolcanic rocks
- Dv — Devonian metavolcanic rocks
- Dvt — Devonian and pre-Devonian? metavolcanic rocks
- pSv — Pre-Silurian metavolcanic rocks
- pЄgr — Precambrian igneous and metamorphic rock complex
- pЄgr — Undivided Precambrian granitic rocks
- pЄan — Precambrian anorthosite

HEAVY BORDER ON BOXES INDICATES UNITS THAT APPEAR ON THIS SHEET