DIVISION OF MINES AND GEOLOGY
JAMES F. DAVIS, STATE GOLOGIST

STATE OF CALIFORNIA — PETE WILSON, GOVERNOR
THE RESOURCES AGENCY — DOUGLAS P. WHEELER, SECRETARY FOR RESOURCES
CALIFORNIA DEPARTMENT OF CONSERVATION — LAWRENCE J. GOLDZBAND, DIRECTOR

OPEN-FILE REPORT 97-03
GEOLOGIC LEGEND TO ACCOMPANY PLATES 1A AND 1B
PLATE 1C OF 13

GEOLOGIC LEGEND

This legend is to accompany Plates 1A and 1B.
See also Appendix I of report for complete explanatory text and references for geologic map units.

SEDIMENTARY ALLUVIAL DEPOSITS

Qya **Undivided Quaternary Alluvial Deposits**

Qsc **Stream Channel Deposits** (Holocene)

Qa **Alluvium** (Holocene)

Qo **Overbank Deposits** (Holocene)

Ql **Lake Deposits** (Pleistocene and Holocene)

Qal **Alluvium** (Pleistocene and Holocene)

Qg **Glacial Deposits** (Upper Pleistocene)

Qm **Modesto Formation** (Upper Pleistocene)

Qr **Riverbank Formation** (Pleistocene)

Qrb **Red Bluff Formation** (Pleistocene)

Qc **Nonmarine Sedimentary Units** (Upper Pliocene ? to Pleistocene)

SEDIMENTARY ROCKS
(Including minor volcanic rocks)

Tte **Tehama Formation** (Pliocene)

Tt **Tuscan Formation** (Pliocene)
Tta **Lahar Flows**
Ttn **Nomlaki Tuff Member**

Tm **Mehrten Formation** (Mio-Pliocene)

Ts **Sedimentary Rocks Undifferentiated** (Miocene)

Tmc **Montgomery Creek Formation** (Eocene)

Kc **Chico Formation** (Late Cretaceous)

ls **Undifferentiated Limestone** (Devonian? and younger)

COAST RANGES AND GREAT VALLEY BEDROCK

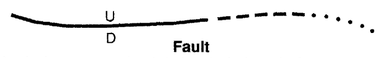
pTsm **Metamorphic, Intrusive, and Sedimentary Rocks Undifferentiated** (Pre-Tertiary)

Kgv **Great Valley Sequence** (Early Cretaceous)

pKmi **Metamorphic and Igneous Rocks Undifferentiated** (Pre-Cretaceous)

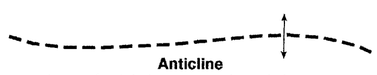
SYMBOLS

Contact
dashed where approximately located; question marks where mapping is incomplete



Fault
dashed where approximately located, dotted where concealed
U = upthrown side; D = downthrown side

Thrust Fault
barbs (on upper plate)



Anticline
trace of axial plane approximately located

DISTURBED DEPOSITS

Qls **Landslides** (Pleistocene and Holocene)

t **Dredge Tailings Undivided** (Plio-Pleistocene and Holocene)

VOLCANIC ROCKS
(including minor sedimentary deposits)

Qmf **Mudflow and Hot Avalanche Deposits** (Holocene)

Qda **Ash Flows** (Holocene)

Qdc **Dacite Ash** (Upper Pleistocene to Holocene)

Qad **Andesite of Devils Rock Garden** (Upper Pleistocene to Holocene)

Qbr **Basalt and Basaltic Andesite** (Upper Pleistocene)

Qdcc **Dacite of Crecent Crater** (Upper Pleistocene)

Qdm **Dacite of Manzanita Lake** (Upper Pleistocene)

Qdd **Dacite** (Upper Pleistocene)

Qay **Pyroxene Andesite** (Upper Pleistocene)

Qbl **Basalt and Basaltic Andesite** (Upper Pleistocene)

Qah **Andesite of Hat Mountain** (Upper Pleistocene)

Qbp **Basalt Lavas of Prospect Peak** (Upper Pleistocene)

Qas **Andesite of Sugarloaf Peak** (Pleistocene to Holocene)

Qrvb **Basaltic Volcanic Rocks** (Pleistocene to Holocene)

Qbt **Basalt** (Pleistocene to Holocene)

Qrvp **Pyroclastic Volcanic Rocks** (Pleistocene to Holocene)

Qb **Basalt** (Pleistocene)

Basaltic Rocks of the Black Butte Volcanic Center (Pleistocene)

Qbbb **Cinder Blanket Deposits**

Qbbf **Basalt Flow of Black Butte**

Qbbc **Cinder Cone Deposits**

Qvu **Quaternary Volcanic Rocks Undifferentiated** (Pleistocene)

Qbs **Basalt of Shingletown Ridge** (Pleistocene)

Qab **Andesite of Brokeoff Mountain** (Pleistocene)

Qar **Rockland Ash Bed** (Pleistocene)

Qeb **Basalt of Eagle Canyon** (Pleistocene)

Qpva **Andesite Undifferentiated** (Pleistocene)

Qpvb **Basalt Flows** (Pleistocene)

Qde **Dacite** (Pleistocene)

Qaf **Andesite of Freaner Peak** (Pleistocene)

Qcb **Basalt of Coleman Forebay** (Pleistocene)

Qrr **Andesite of Raker Peak** (Lower to Middle Pleistocene)

Qbc **Basalt Flows of Badger Flat** (Lower Pleistocene)

Qalm **Andesite Flows of Logan Mountain** (Lower Pleistocene)

Qbw **Basalt Flows of West Prospect Peak** (Lower Pleistocene)

Qbh **Basalt, Basaltic Andesite, and Andesitic Flows** (Lower Pleistocene)

Qam **Pyroxene Andesite Flows** (Lower Pleistocene)

Qaa **Andesite Flows** (Lower Pleistocene)

Qat **Andesite** (Lower Pleistocene)

Qbb **Burney Basalt** (Lower Pleistocene)

Qaw **Andesite Lava Flows of Wilcox Peak** (Lower Pleistocene)

Qbe **Eastern Basalt Flows** (Plio-Pleistocene)

Qba **Basalt and Basaltic Andesite** (Plio-Pleistocene)

Ta **Andesite** (Plio-Pleistocene)

Td **Dacite** (Plio-Pleistocene)

Pv **Pliocene Volcanic Rocks Undivided** (Pliocene)

Pva **Andesite** (Pliocene)

Pvb **Basalt** (Pliocene)

Tv **Volcanic Rocks Undivided** (Pliocene)

Mvb **Warner Basalt** (Miocene)

Tvb **Basalt Undivided** (Tertiary)

Tvp **Pyroclastic Volcanic Rocks** (Tertiary)

Tvs **Volcanic and Sedimentary Rocks Undivided** (Eocene and Oligocene)

ROCK UNITS OF THE KLAMATH MOUNTAINS

Ksb **Plutons of the Shasta Bally Batholith Belt** (Early Cretaceous)

Jgr **Granitoid Rocks Undivided** (Jurassic)

Jdi **Diorite** (Jurassic)

Rattlesnake Creek Terrane Rocks

rcp **Plutonic Rocks** (Triassic? and Jurassic)

rcm **Melange** (Jurassic and older)

rcum **Serpentinized Ultramafic Rocks** (of uncertain age)

Hayfork Terrane

Jhc **Chert, Argillite, and Metaandesite** (Middle Jurassic)

Jhhb **Hayfork Bally Metaandesite** (Middle Jurassic)

Jehm **Melange** (Middle? Jurassic)

North Fork Terrane

nfvs **Volcanic and Sedimentary Rocks Undifferentiated** (Permian to Jurassic)

Central Metamorphic Terrane

Da **Abrams Schist** (Devonian)

Ds **Salmon Schist** (Devonian)

Eastern Klamath Terrane

Jpo **Potem Formation** (Early and Middle Jurassic)

Ja **Arvison Formation** (Early Jurassic)

Trmb **Modin Formation and Brock Shale Undivided** (Late Triassic)

Trh **Hosselkus Limestone** (Late Triassic)

TrPp **Pit Formation** (Permian? and Triassic)

Pbh **Bully Hill Rhyolite** (Permian)

Ppr **Pit River Stock and Related Plutons** (Permian)

Pdn **Dekkas Andesite and Nosoni Formation Undivided** (Permian)

Pm **McCloud Limestone** (Early Permian)

PMb **Baird Formation** (Mississippian to Permian)

Mb **Bragdon Formation** (Mississippian)

Dk **Kennett Formation** (Early? to Middle Devonian)

Dmm **Mule Mountain Stock** (Devonian)

Db **Balaklala Rhyolite** (Early and/or Middle Devonian)

Dc **Copley Greenstone** (Early Devonian)

Ogb **Gabbro and Diorite** (Ordovician)

Oum **Trinity Ultramafic Sheet** (Ordovician)