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U.S. GEOLOGICAL SURVEY

Preliminary geologic map of the Strawberry Mine area,
Madera County, California



EXPLANATION

Pleistocene and Recent

QUATERNARY

TERTIARY and QUATERNARY

CRETACEOUS

MESOZOIC

MESOZOIC (?)

Qal Mongol 917

Alluvium

Qts Colville 2127

Talus and slope wash

Qgl Colville 2127

Glacial deposits

Qto Mongol 213

Basalt and andesite

Qm Colville 2156

Quartz monzonite of Timber Knob
Fine-grained equigranular biotite quartz monzonite

Kc Colville 2186

Quartz monzonite and granodiorite of Clover Meadow
Ranges from hornblende granodiorite to biotite quartz monzonite containing phenocrysts of K-feldspar as large as 1 inch in length

Qm Mongol 766

Quartz monzonite of Isberg Divide
Faintly porphyritic biotite quartz monzonite containing abundant phenocrysts of plagioclase 1/2 inch in length

Qm Colville 2176

Quartz monzonite of Post Creek
Fine-grained biotite quartz monzonite; typically contains abundant round mafic inclusions that average 12 inches in diameter

Kd Colville 2114

Diorite

Mzv Mongol 868

Metavolcanic rocks

Predominantly massive light-gray fine-grained meta-tuff that contains sparse phenocrysts of feldspar, but includes well-bedded tuff and dark-gray porphyritic meta-andesite flows. In much of the map area, the meta-tuff is metamorphosed to a fine-grained sugary-textured rock

Mzs Colville 2125

Metasedimentary rocks

Quartzite, quartz-mica schist, calc-silicate hornfels, tactite, and marble



Dikes abundant

Inclusions abundant



Contact, showing dip

Long dashes where approximately located; short dashes were inferred



Fault

Short dashes where inferred



Overturned anticline

Showing trace of axial plane, direction of dip of limbs, and bearing and plunge of axis. Long dashes where approximately located; short dashes where inferred



Overturned syncline

Showing trace of axial plane and direction of dip of limbs. Long dashes where approximately located; short dashes where inferred



Plunge of fold axes



Strike and dip of beds, top direction unknown



Strike of vertical beds



Strike and dip of beds; top direction known from cross beds or graded beds



Strike and dip of overturned beds; top direction known from cross beds or graded beds



Strike and dip of foliation



Strike of vertical foliation



Strike and dip of aplitic dikes



Strike of vertical aplitic dikes



Bearing and plunge of lineation



Crest of moraine



No apparent foliation

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