



CORRELATION OF MAP UNITS

Qal	Qt	Qs	} Holocene	} QUATERNARY
Unconformity				
Qg			} Pleistocene	}
Unconformity				
GRANITIC ROCKS				
Kal			} Lower Cretaceous	} CRETACEOUS
Kqm				
Kgd				
Kd				
Intrusive contact				
METAGNEOUS ROCKS				
Kgr			} Lower Jurassic(?)	} JURASSIC(?)
Kr				
Krb				
Kda				
Intrusive contact				
METASEDIMENTARY ROCKS				
Japu			} Kings sequence of Bateman and Clark (1974)	}
Jbhl				
Jqpm				
Jqpl				

DESCRIPTION OF MAP UNITS SURFICIAL DEPOSITS

Qal	ALLUVIUM
Qt	TALUS
Qs	STREAM GRAVEL
Qg	GLACIAL DEPOSITS

GRANITIC ROCKS
Various units forming part of granodiorite of Jackass Lakes which has U/Pb zircon age of 98 m.y. (Peck, Stern, and Kistler, 1977)

Kal	ALASKITE AND FELSIC DIKES AND MASSES
Kqm	BIOTITE QUARTZ MONZONITE
Kgd	HORNBLENDE GRANODIORITE
Kd	QUARTZ DIORITE

METAGNEOUS ROCKS
Rb/Sr isochron age of 98 m.y. Metamorphosed shallow intrusive bodies and intrusive breccias

Kgr	METAGRANODIORITE
Kr	METARHYOLITE
Krb	METARHYOLITE BRECCIA
Kda	METADACITE
	METADACITE BRECCIA
	METABRECCIA

METASEDIMENTARY ROCKS
Mesozoic bivalve, possibly *Inoceramus pseudomytiloides* (Early Jurassic) found in float from middle quartz-plagioclase hornfels unit

Japu	UPPER BIOTITE HORNFELS
Japu	UPPER QUARTZ-PLAGIOCLASE HORNFELS
Jbhl	LOWER BIOTITE HORNFELS
Jqpm	MIDDLE QUARTZ-PLAGIOCLASE HORNFELS — Contains a few beds of diopside-plagioclase hornfels and marble (Jm)
Jqpl	DIOPSIDE-PLAGIOCLASE HORNFELS AND MARBLE
Jqpl	LOWER QUARTZ-PLAGIOCLASE HORNFELS — Contains a marble bed near top

Base from planimetric survey by New Kira Mining and Chemical Company, 1955-59 and by Helen Nohlsberg, 1956-57

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Geology mapped by W. J. Nohlsberg, 1956-57

- Contact — Dashed where approximately located, dotted where concealed, y, intrusion or metaintrusion; o, wallrock
- - - Trace of marker bed
- - - Fault — Dashed where approximately located, dotted where concealed
- Anticline — Showing trace of axial surface and bearing and plunge of axis; dashed where approximately located, dotted where concealed
- Syncline — Showing trace of axial surface and bearing and plunge of axis; dashed where approximately located, dotted where concealed
- Bearing and plunge of fold axes — Includes fold axes, boudins, and biotite-streak lineations
- Strike and dip of beds — Top direction unknown
Inclined
Vertical
- Strike and dip of beds — Top direction known
Inclined
Vertical
Overturned
- Foliation and schistosity — Flowage foliation in plutonic rocks; penetrative schistosity in plutonic and metamorphic rocks
Inclined
Vertical
None observed
- Strike and dip of joints
Inclined
Vertical
- Trace of felsic dike
Inclined
Vertical
- Abundant mafic inclusions in plutonic rocks

GEOLOGIC MAP OF THE STRAWBERRY MINE ROOF PENDANT, MERCED PEAK QUADRANGLE, CENTRAL SIERRA NEVADA, CALIFORNIA