

**LEGEND**

 Qw	Wash Deposits (late Holocene)	 Kgct	Coarse-grained biotite-hornblende tonalite		Kcto, zone of tourmalinized monzogranite
 Ql	Lacustrine deposits (late Holocene)	 Kpvg	Monzonite to granodiorite		Kg, granitic dike
 Qvsc	Alluvial valley deposits (late Holocene) silty clay grain size	 Kgg	Hypersthene monzogranite		Kgbd, gabbroic dike
 Qya	Young axial channel deposits (Holocene and latest Pleistocene)	 Kgh	Hypabyssal tonalite		Kgbf, fine-grained hornblende gabbro dike
 Qyaa	Young axial channel deposits (Holocene and latest Pleistocene) arcaneous grain size	 Kght	Heterogeneous tonalite		Kld, quartz latite dike
 Qyf	Young alluvial fan deposits (Holocene and latest Pleistocene)	 Kgt	Massive textured tonalite		Klmp, granitic pegmatite dike
 Qyfa	Young alluvial fan deposits (Holocene and latest Pleistocene) arcaneous grain size	 Kgti	Tonalite containing abundant mesocratic inclusions		Kp, granitic pegmatite dike
 Qyfa1	Young alluvial fan deposits, Unit 1 (Holocene and latest Pleistocene) arcaneous grain size	 Kgtf	Foliated tonalite		Kpvp, pegmatite dike
 Qyfg	Young alluvial fan deposits (Holocene and latest Pleistocene) gravel grain size	 Khg	Heterogeneous granitic rocks (Cretaceous)		Kvspi, porphyritic dike
 Qyls	Young landslide deposits (Holocene and latest Pleistocene)	 Kgb	Gabbro (Cretaceous)		Mzmn, manganese bearing rock
 Qyva	Young alluvial valley deposits (Holocene and late Pleistocene)	 Ksv	Intermixed Estelle Mountain volcanics of Herzig (1991) and Cretaceous? sedimentary rocks (Cretaceous?)		Contact, approx. located
 Qyvsa	Young alluvial valley deposits (Holocene and late Pleistocene) silty sand	 Kgd	Granodiorite, undifferentiated (Cretaceous)		Contact, certain
 Qywa	Young wash deposits (Holocene and latest Pleistocene) arcaneous grain size	 Kvr	Rhyolite of Estelle Mountains volcanics Herzig (1991) (Cretaceous)		Fault scarp, approx. located
 Qoa	Old axial channel deposits (late to middle Pleistocene)	 Kvs	Intermixed Estelle Mountain volcanics of Herzig (1991) and Mesozoic sedimentary rocks (Mesozoic)		Fault scarp, certain
 Qoaa	Old axial channel deposits (late to middle Pleistocene) arcaneous grain size	 Kvsp	Santiago Peak Volcanics (Cretaceous)		Fault, approx. located
 Qof	Old alluvial fan deposits (late to middle Pleistocene)	 Kvem	Estelle Mountain volcanics of Herzig (1991) (Cretaceous)		Fault, approx. located, queried
 Qofa	Old alluvial fan deposits (late to middle Pleistocene) arcaneous grain size	 Katg	Granodiorite of Arroyo del Toro pluton (Cretaceous)		Fault, certain
 Qof3a	Old alluvial fan deposits, Unit 3 (late to middle Pleistocene) arcaneous grain size	 Jbc	Bedford Canyon Formation (Jurassic)		Fault, concealed
 Qofg	Old alluvial fan deposits (late to middle Pleistocene) gravel grain size	 Jbc1	Bedford Canyon Formation, Unit 1 (Jurassic)		Fault, inferred
 Qova	Old alluvial valley deposits (late to middle Pleistocene) arcaneous grain size	 Mzgp	Intermixed graywacke and phyllite (Mesozoic)		Ground fissure
 Qvoag	Very old axial channel deposits (middle to early Pleistocene) gravel size	 Mzi	Interlayered phyllite (or schist) and quartzite (Mesozoic)		Landslide scarp, certain
 Qvof	Very old alluvial fan deposits (middle to early Pleistocene)	 Mzp	Phyllite (Mesozoic)		Map boundary
 Qvofa	Very old alluvial fan deposits (middle to early Pleistocene) arcaneous grain size	 Mzq	Quartz-rich rocks (Mesozoic)		Normal fault, approx. located
 Qvofag	Very old alluvial fan deposits (middle to early Pleistocene) arcaneous and gravel grain size	 Mzqg	Intermixed quartzite and graywacke (Mesozoic)		Normal fault, certain
 Tlm	Lake Mathews Formation (Miocene)	 MzS	Schist (Mesozoic)		Normal fault, concealed
 Tcgr	Rhyolite clast conglomerate of Lake Mathews Area (Miocene?)	 MzU	Mesozoic metasedimentary rocks, undifferentiated (Mesozoic)		Scratch boundary
 Tsi	Silverado Formation (Paleocene)				Subsidence scarp
 Kpvt	Tonalite foliated biotite-hornblende				Suture
 Klmt	Tonalite medium to coarse-grained				Thrust fault, approx. located
 Kcg	Monzogranite				Thrust fault, certain
 Kdvg	Granodiorite to tonalite of Domenigoni Valley				Thrust fault, concealed

SOURCE: U.S. Geological Survey 2004 and MHA Environmental Consulting, Inc. 2006

**Map Legend for**  
Figure D.6-2  
**Geologic Units and the Project Vicinity**