

Old lacustrine deposits (bar) (late to middle Pleistocene)

Old eolian deposits (dune sand), Unit 3 (late to middle Pleistocene)

Old lacustrine deposits (bar) (late to middle Pleist

Old eolian deposits (late to middle Pleistocene)

Tonalite (Cretaceous)

Gabbro (Cretaceous)

Amphibolite (Paleozoic)

Tonalite of Elephant Hill (Cretaceous)

LIST OF UNITS IN THE SAN BERNARDINO 30' X 60' QUADRANGLE

	GENERIC QUATERNARY UNITS COMMON TO ALL	Qoes ₃	Old eolian deposits (sheet sand), Unit 3 (late to middle Pleistocene)	₽mp	Marble, Peninsular Ranges (Paleozoic)	Tsfs	Shale unit	Pgn ₆	Layered gneiss, Unit 6	Tcv ₃	Cajon Valley Formation, Unit 3	KJc	Quartz monzodiorite of Crestline (Cretaceous or Jurassic)
	ASSEMBLAGES	Qos	Old surficial deposits (late to middle Pleistocene)	Pzsp	Biotite schist and gneiss, Peninsular Ranges (Paleozoic)	Tsfc	Conglomerate unit	Pgn ₅	Layered gneiss, Unit 5	Tcv ₂	Cajon Valley Formation, Unit 2	Jcr	Cataclastic rocks (Jurassic)
		Qvof	Very old alluvial-fan deposits (middle to early Pleistocene)			Tsfl	Limestone lenses	Pgn ₄	Layered gneiss, Unit 4	Tcv ₁	Cajon Valley Formation, Unit 1	Js	Leucocratic hornblende syenite (Jurassic)
Qdg	Disturbed ground (late Holocene)	Qvof ₃	Very old alluvial-fan deposits, Unit 3 (middle to early Pleistocene)		SAN GABRIEL MOUNTAINS ASSEMBLAGE	Tsfb	Basal boulder conglomerate unit	Pgn ₃	Layered gneiss, Unit 3	Tv	Vaqueros Formation (Miocene and Oligocene)	Jc	Leucocratic quartz monzonite of Crystal Creek (Jurassic)
Qaf	Artificial fill (late Holocene)	Qvof ₂	Very old alluvial-fan deposits, Unit 2 (early Pleistocene)			Мър	Pelona Schist, undifferentiated (Mesozoic)	Pgn ₂	Layered gneiss, Unit 2	TKmg	Mafic granodiorite (Tertiary or Cretaceous)	Jwm	Monzodiorite of White Mountain (Jurassic)
Qw	Very young wash deposits (late Holocene)	Qvof ₁	Very old alluvial-fan deposits, Unit 1 (early Pleistocene)	QTfz	Crushed rock in fault zones (Quaternary to Tertiary)	Mzpg	Pelona Schist, greenstone unit	Pgn ₁	Layered gneiss, Unit 1	Kcd	Sedimentary rocks of Cosy Dell area (Cretaceous); includes:		Granodiorite of Arrowhead Peak (Jurassic)
Qw ₃	Very young wash deposits, Unit 3 (late Holocene)	Qvoa	Very old alluvial-valley deposits (middle to early Pleistocene)	Qh	Harold Formation (Pleistocene)	Mzps	Pelona Schist, muscovite schist unit	Pgd	Foliated to gneissic granodiorite (Proterozoic)	Kcdc	Sedimentary rocks of Cosy Dell area, conglomerate (Cretaceous)	Jrr	Biotite quartz monzodiorite of Redonda Ridge (Jurassic)
Qw ₂	Very young wash deposits, Unit 2 (late Holocene)	Qvoa ₃	Very old alluvial-valley deposits, Unit 3 (middle to early Pleistocene)	QTjh	Juniper Hills Formation, undifferentiated (Pleistocene and Pliocene)	Mzpa	Pelona Schist, amphibolite grade unit	Pgm	Medium-grained biotite granite augen gneiss (Proterozoic)	KJhs	Mixed granitic rocks of Hopi Spring (Cretaceous and Jurassic)	Jd	Quartz monzodiorite of Dry Canyon (Jurassic)
Qw ₁	Very young wash deposits, Unit 1 (late Holocene)	Qvoa ₂	Very old alluvial-valley deposits, Unit 2 (early Pleistocene)		Units between northern and southern Nadeau Faults	Mzpb	Pelona Schist, biotite-quartz schist unit	Pgc	Coarse-grained biotite granite augen gneiss (Proterozoic)	KJos	Mixed granitic rocks of Oak Spring (Cretaceous and Jurassic)	Jsc	Fine-grained rocks of Silver Canyon (Jurassic)
Qf	Very young alluvial-fan deposits (late Holocene)	Qvoa	Very old alluvial-valley deposits, Unit 1 (early Pleistocene)	QTjhr	Red arkose unit	M₂pm	Pelona Schist, marble unit	gr	Granitic rocks, undifferentiated (Age unknown)	KJsp	Mixed granitic rocks of South Peak (Cretaceous and Jurassic)	Тът	Monzogranite of Manzanita Springs (Triassic)
Qf ₂	Very young alluvial-fan deposits, Unit 2	Qvosw	Very old slopewash deposits (middle to early Pleistocene)	QTjhc	Clay-shale unit	M₂pq	Pelona Schist, quartzite unit	dgm	Diorite gneiss and migmatite (Age unknown)	Kīkmm	Mixed monzogranite and leucocratic monzonite (Cretaceous and Triassic)	Ticp	Monzonite of Cedarpines Park (Triassic)
Qf ₁	Very young alluvial-fan deposits, Unit 1		Very old landslide deposits (middle to early Pleistocene)	QTjhs	Siltstone unit	M₂ggm	Foliated gabbro, granodiorite, and monzogranite (Mesozoic)	gnm	Cataclastic gneiss (Age unknown); includes:	Mzgr	Biotite monzogranite of Big John Peak (Mesozoic)	₽f	Monzonite of Fawnskin (Triassic)
Qa	Very young alluvial-valley deposits (late Holocene)	Qvor:	Very old regolith and (or) pedogenic soil (middle to early Pleistocene)	QTjhb	Arkosic breccia unit	Mzhg	Heterogeneous granitic rocks, San Gabriel Mountains (Mesozoic)	cgm	Chloritized cataclastic granitic rocks (Age unknown)	Mzgd	Gneissic granodiorite of Holcomb Ridge (Mesozoic)	Æfl	Leucocratic monzonite of Fawnskin (Triassic)
Qa ₁	Very young alluvial-valley deposits, Unit 1 (late Holocene)	Qvos	Very old surficial deposits (middle to early Pleistocene)		Units between San Andreas and northern Nadeau Faults	M₂pr	Gneiss of Pinyon Ridge (Mesozoic)	gnb	Gneiss of Blue Cut area (Age unknown)	Mzog	Heterogeneous hornblende-biotite orthogneiss (Mesozoic)	Telm	Fine-grained leucocratic monzonite (Triassic)
Qc	Very young colluvial deposits (late Holocene)			QTjhf	Fine-grained unit		Mylonitic and cataclastic granitoid rocks (Mesozoic)	cru	Crystalline rocks, undifferentiated (Age unknown)	Mzh	Monzogranite and granodiorite of Holcomb Ridge (Mesozoic)	Тка	Alaskite of Sunset Cove (Triassic)
Qt	Very young talus deposits (late Holocene)		PENINISULAR RANGES ASSEMBLAGE	QTjhsb	Sedimentary breccia unit	M₂fg	Foliated granitoid rocks (Mesozoic)			Mzu	Mesozoic granitic rocks, undivided (Mesozoic)	Tesp (=	Quartz monzonite of Strawberry Peak (Triassic)
Qsw	Very young slopewash deposits (late Holocene)				Units south of Punchbowl Fault	Mzdy	Diorite, Yucaipa area (Mesozoic)		ROCKS BOUNDED BY THE MILL CREEK FAULT AND SAN ANDREAS FAULT	Mzsl	Mixed granitic rocks of Silverwood Lake (Mesozoic)	Tarl	Monzonite of Rabbit Lake (Triassic)
	Very young landslide deposits (late Holocene)		San Timoteo beds of Frick (1921)	QTjhp	Playa deposit unit	√ KP₂sg √	Schist, gneiss, monzogranite, and granodiorite (Cretaceous and Paleozoic)			Mzmx	Mixed mafic rocks and monzogranite (Mesozoic)	T fp	Monzonite of Fifteenmile Point (Triassic)
Qp		QTstrQTstu	Upper member (Pleistocene and Pliocene). Includes informally named Reche Canyon member (QTstr)	QTjhv	Volcanic clast unit	KP2st \	Schist, gneiss, and tonalite (Cretaceous and Paleozoic)		Mill Creek formation of Gibson (1971) (Miocene)	M₂₽₂m	Mixed granitic and metasedimentary rocks, and gneiss (Mesozoic and	Τεh	Monzonite of Hill 4001 (Triassic)
Qp ₁	Very young playa deposits, Unit 1 (late Holocene)	QTstcq	Quartzite-bearing conglomerate member (Pleistocene and Pliocene)	QTjha	Arkosic sandstone unit	KPm	Mylonitic orthogneiss related to Vincent Thrust Fault (Cretaceous to	Tmm	Mudstone unit		Paleozoic)	Pbs	Bird Spring Formation (Pennsylvanian)
QL	Very young lacustrine deposits (late Holocene)	Tstl	Lower member (Pliocene)	QTjhcs	Conglomeratic sandstone unit		Proterozic)	Tmcv	Volcanic-clast-bearing unit	M _z Pd	Gneiss of Devil Canyon (Mesozoic to Proterozoic)	Mm	Monte Cristo Limestone (Mississippian)
Qe	Very young eolian deposits (late Holocene)		Fernando Formation (Pliocene)		Punchbowl Formation (early Pliocene and late Miocene)	MzPb	Mixed metamorphic and granitic rocks of Big Dalton Canyon (Mesozoic and Proterozoic)	Tms	Sandstone unit	M₂Pm	Mixed granitic and metamorphic rocks (Mesozoic to Proterozoic)	Ds	Sultan Limestone (Devonian)
Qs	Very young surficial deposits (late Holocene)	Tfuc Tfu	Upper member; includes conglomerate (Tfuc)	Tpbv	Volcanic-clast unit	Kmg	Monzogranite and granodiorite (Cretaceous)	Tma	Arkose unit	MzPI	Mixed granitic rocks, quartzite, and schist of Lizard Springs (Mesozoic to Proterozoic)	€bk	Bonanza King Formation (Cambrian)
Qs ₁	Very young surficial deposits, Unit 1 (late Holocene)	Tflc	Lower member; includes conglomerate (Tflc)	Tpbd	Diorite-clast unit	Klg	Leucocratic granite dikes (Cretaceous)	Ттср	Pelona Schist-bearing conglomerate unit	KI	Leucocratic granitic rocks (Cretaceous)	€c	Carrara Formation (Cambrian)
Qyw	Young wash deposits (Holocene and late Pleistocene)		Puente Formation (early Pliocene and Miocene)	Tpbb	Breccia unit	Kal	Mixed leucocratic and granitic rocks (Cretaceous)	Tw	Formation of Warm Springs Canyon (Miocene)	Kil	Leucocratic rocks of Rattlesnake Mountain pluton of MacColl (1964)	€z	Zabriskie Quartzite (Cambrian)
Qyw ₃	Young wash deposits, Unit 3 (early Holocene)	Tpscc Tpsc	Sycamore Canyon Member (early Pliocene and Miocene); includes	Тр	Puente Formation, undifferentiated (early Pliocene and Miocene)	Kgc	Mylonitized leucogranite (Cretaceous)	Tsg	Conglomerate, sandstone, and arkose (Miocene)	Par PATA	(Cretaceous)	€w	Wood Canyon Formation (Cambrian)
Qyw ₂	Young wash deposits, Unit 2 (early Holocene)			Tpsc	Sycamore Canyon Member (early Pliocene and Miocene), includes zone of conglomeratic rocks (Tpscc)	Klmg	Leucocratic muscovite monzogranite (Cretaceous)	Mzi	Inclusion-rich granitoid rocks (Mesozoic)	Khl	Heterogeneous leucocratic granitic rocks (Cretaceous)	₽mb	Marble, San Bernardino Mountains (Paleozoic)
Qyw ₁	Young wash deposits, Unit 1 (early Holocene and late Pleistocene)	Тру	Yorba Member (Miocene)	Tpls	Soquel and La Vida Members, undifferentiated (Miocene)	/ Kcs / -	Monzogranite of Cloudburst Summit (Cretaceous)	Mzc	Diorite of Cram Peak (Mesozoic)	Kaw	Alaskite of western Granite Mountains (Cretaceous)		Shay Mountain metamorphic complex of MacColl (1964) (Late
Qyf	Young alluvial-fan deposits (Holocene and late Pleistocene)	Tpsqc		sqc Tpsq	Soquel Member (Miocene), includes zone of conglomeratic rocks (Tpsqc)	Kcsl	Leucocratic unit	M₂g	Granitoid rocks (Mesozoic)	Kmbb	Biotite monzogranite (Cretaceous)		Proterozoic?)
Qyf ₅	Young alluvial-fan deposits, Unit 5 (late Holocene)	Tpsq	Soquel Member (Miocene); includes conglomerate (Tpsqc)	Tplv	La Vida Member (Miocene)	Kpg	Monzogranite of Punchbowl Fault area (Cretaceous)	Mzgy	Mesocratic granitoid rocks (Mesozoic)	Khr	Hybrid rocks (Cretaceous)	€Pgsq	Mixed gneiss, schist and quartzite
Qyf ₄	Young alluvial-fan deposits, Unit 4 (late Holocene)	Τρίν	La Vida Member (Miocene)	Tcd	Conglomerate and sandstone, San Sevaine Canyon area (Pliocene and	Kgp	Tonalite of Ganesha Park (Cretaceous)	M₂ga	Orthogneiss of Alger Creek (Mesozoic)	Kdp	Monzogranite of Deadman Point (Cretaceous)	€Pqc	Quartzite and cataclastic rock of Little Pine Flat
Qyf ₃	Young alluvial-fan deposits, Unit 3 (middle Holocene)	Tar	Glendora Volcanics (Miocene)		Miocene)	Kdd	Deer diorite of Alf (1948) (Cretaceous)	99	Gneissic granitoid rocks and gneiss (age unknown)	Kms	Monzogranite of Muddy Spring (Cretaceous)	€Pcc	Biotite schist of Cox Creek
Qyf ₂	Young alluvial-fan deposits, Unit 2 (middle Holocene)		Rhyolite and dacite flows	Tvc	Volcaniclastic conglomerate (Miocene)	Kch	Charnockite (Cretaceous)		SAN BERNARDINO MOUNTAINS ASSEMBLAGE	Kkc /	Monzogranite of Kinley Creek (Cretaceous)	€PIsm	Quartzite of Little Shay Mtn
Qyr ₁	Young alluvial realist deposits, Unit 1 (middle Holocene)	Toa	Rhyolite and dacite breccia	Tdc	Duarte conglomerate of Shelton (1946) (Pliocene or Miocene)	Kdc -	Granodiorite of Dorr Canyon (Cretaceous)			Kmc	Monzogranite of Malony Creek (Cretaceous)	€Psm	Gneiss of Shay Mountain
Oya	Young alluvial-valley deposits (Holocene and late Pleistocene)	Tai	Andesite flows Tuff breccia of Johnson Peak area	Ts	Mixed marine and nonmarine sedimentary rocks (Miocene to Paleocene)	Kss	Tonalite of San Sevaine Lookout (Cretaceous)	Qb	Sedimentary breccia of Meisling (1984) (Pleistocene)	Kbm	Heterogeneous, leucocratic biotite monzogranite (Cretaceous)	Psu	Stirling Quartzite (Late Proterozoic)
Qya ₅	Young alluvial-valley deposits, Unit 5 (late Holocene)	Tab		azc Taz	Sedimentary rocks of Azusa area (Middle Miocene), includes zone of conglomerate (Tazc)	Kssm	Mylonitized tonalite of San Sevaine Lookout (Cretaceous)	QTs	Conglomerate, conglomeratic arkose, and clayey arkose (Pleistocene and Pliocene)	Kcc	Monzogranite of City Creek (Cretaceous)	Psq	Stirling Quartzite, quartzite member (Late Proterozoic)
Qya ₄	Young alluvial-valley deposits, Unit 4 (late Holocene) Young alluvial-valley deposits, Unit 3 (middle Holocene)	Ka	Basalt flows Granitic dikes, undifferentiated (Cretaceous)		Glendora Volcanics (Miocene)	Kssm ₁	Mylonitized tonalite of San Sevaine Lookout, Unit 1 (Cretaceous)	Qsh	Shoemaker Gravel (Pleistocene)	Kpm /	Porphyritic biotite monzogranite (Cretaceous)	Pscq	Stirling Quartzite, carbonate and quartzite member (Late Proterozoic)
Qya ₃	Young alluvial-valley deposits, Unit 2 (middle Holocene)	Kmat	Monzogranite and tonalite, undivided (Cretaceous)	Tg	Undifferentiated	Kssg	Mixed tonalite of San Sevaine Lookout and gneiss (Cretaceous)	Qh	Harold Formation (Pleistocene)	Kk	Monzogranite of Keller Peak (Cretaceous)	Psc	Stirling Quartzite, carbonate-rich rocks (Late Proterozoic)
Qya ₂	Young alluvial-valley deposits, Unit 1 (middle Holocene)	Kmp	Monzogranite (Cretaceous)	Tgr	Rhyolite and dacite flows	Ksgr	Tonalite of San Gabriel Reservoir (Cretaceous)	QTpp	Phelan Peak deposits of Weldon (1984), undifferentiated (Pleistocene and	Kbp	Monzogranite of Butler Peak (Cretaceous)	gr	Granitic rocks, undifferentiated (Age unknown)
Qyc	Young colluvial deposits (Holocene and late Pleistocene)		Box Springs plutonic complex (Cretaceous)	Tga	Andesite flows	Ksa	Quartz diorite of Mount San Antonio (Cretaceous)		Pliocene)	Kh	Granodiorite of Hanna Flat (Cretaceous)		Mixed metamorphic rocks of Ord Mountain area (Age unknown)
Qyt	Young talus deposits (Holocene and late Pleistocene)	= //Kbt //	Biotite tonalite	Tgf	Fine-grained andesite	Klv	Heterogeneous granitic rocks of La Verne area (Cretaceous)	QTpp ₃	Phelan Peak deposits of Weldon (1984), Unit 3 (Pleistocene and Pliocene)		Rattlesnake Mountain pluton of MacColl (1964) (Cretaceous)	ms	Metamorphic rocks, schist dominant
	Young slope-wash deposits (Holocene and late Pleistocene)	(Kbfg	Biotite granodiorite and tonalite	Tgi	Andesite dikes	Jhc	Quartz monzodiorite of Hutak Canyon (Jurassic)	Tpp ₂	Phelan Peak deposits of Weldon (1984), Unit 2 (Pliocene)	Krp	Porphyritic monzogranite	mm	Metamorphic rocks, marble dominant
Qysw	Young landslide deposits (Holocene and late Pleistocene)	Khfqi	Biotite granodiorite and tonalite containing abundant inclusions	Tgj	Tuff breccia of Johnson Peak area	Jgf	Granodiorite and quartz monzonite of Fern Canyon (Jurassic(?))	Tpp ₁	Phelan Peak deposits of Weldon (1984), Unit 1 (Pliocene)	= // Kr // **	Even-grained monzogranite	mmc	Metamorphic rocks, marble and calculicate rock dominant
V QVIS V V	Young playa deposits (Holocene and late Pleistocene)	Khha	Heterogeneous porphyritic granodiorite	Tgc	Volcanic conglomerate	Jॠgb	Gabbro and pyroxenite (Jurassic? or Triassic?)	Tcc	Conglomerate of Crestline (Pliocene)	Kdh	Monzogranite of Devils Hole (Cretaceous)	mms	Metamorphic rocks, marble and schist dominant
Qyp	Young eolian deposits (Holocene and late Pleistocene)	**************************************	Porphyritic granodiorite	Tgb	Basalt flows		Mount Lowe intrusive suite (Triassic)	Tcf	Conglomerate of Fredalba (Pliocene)	Kgdb	Biotite granodiorite (Cretaceous)	mq	Metamorphic rocks, quartzite dominant
Oved	Young eolian deposits (dune sand), Unit 1 (Holocene and late Pleistocene)	+ + + + + +	Biotite-hornblende tonalite	Tgbt	Palagonitic tuff and pillow lava	Telu	Undifferentiated	Tcu	Conglomerate and arkose, undifferentiated (Pliocene)	Kgdc	Biotite granodiorite, Cajon area (Cretaceous)	mx	Metamorphic rocks, mixed
Oves.	Young eolian deposits (sheet-sand), Unit 1 (Holocene and late	+ + + + + +	Heterogeneous biotite tonalite	Tb	Basalt dikes (Miocene)	Talq	Porphyritic quartz monzonite and quartz monzodiorite; includes:	Tav	Anaverde Formation, undifferentiated (Pliocene)	Kml	Mixed mafic and leucocratic granitic rocks (Cretaceous)	gn	Gneiss
	Pleistocene)	Kbat	Heterogeneous granodiorite and tonalite	Tdg	Olivine diabase and gabbro (Miocene)	ŦII	Porphyritic biotite quartz monzonite	Tavc	Clay-shale unit	Kcr	Monzogranite of Coxey Road (Cretaceous)	gb	Gabbro
Qys	Young surficial deposits (Holocene and late Pleistocene)	KPzts	Mixed tonalite and biotite schist (Cretaceous and Paleozoic)	Tad	Andesite dikes (Miocene)	Ælh	Hornblende-biotite quartz monzonite	Tavb	Pale-tan arkose unit	Kcm	Tonalite of Circle Mountain (Cretaceous)		
Qof	Old alluvial-fan deposits (late to middle Pleistocene)	K P t ₄ s	Mixed tonalite, Unit 1 and schist (Cretaceous and Paleozoic)	Та	Andesite dike rocks (Miocene)	Talb	Equigranular leucocratic biotite quartz monzonite	Tavr	Red arkose unit	Kmx	Mixed granitic rocks of Heaps Peak (Cretaceous)		
Qof ₃	Old alluvial-fan deposits, Unit 3 (late to middle Pleistocene)	KP-tm	Mixed tonalite and marble (Cretaceous and Paleozoic)	Tvv	Vasquez Formation (early Miocene to late Oligocene)	₹dg	Diorite and gabbro of Bare Mountain (Triassic)	Tavw	White arkose unit	Kbf	Monzogranite of Burnt Flats (Cretaceous)		
Qof ₂	Old alluvial-fan deposits, Unit 2 (late to middle Pleistocene)	KP-tms	Mixed tonalite, marble, and schist (Cretaceous and Paleozoic)	Tvt	Vasquez Formation, tuffaceous rocks	₽₂sg	Metasedimentary schist and gneiss, San Gabriel Mountains (Paleozoic)	Tsa	Santa Ana Sandstone (Pliocene and Miocene)	Kwcy	Monzogranite of Willow Canyon (Cretaceous)		
Qof ₁	Old alluvial-fan deposits, Unit 1 (late to middle Pleistocene)	Kada	Granodiorite (Cretaceous)	Ttd	Hypabyssal dikes (Oligocene)	₽mg	Marble, San Gabriel Mountains (Paleozoic)	Tor	Crowder Formation (Pliocene and Miocene)	Kao/ \	Granodiorite of Angeles Oaks (Cretaceous)		
Qoa	Old alluvial-valley deposits (late to middle Pleistocene)	Kad	Granodiorite (Cretaceous) Granodiorite, Unit 1 (Cretaceous)	Ttp	Granodiorite of Telegraph Peak (Oligocene)	₽qg	Quartzite, San Gabriel Mountains (Paleozoic)	Tcr ₅	Crowder Formation, Unit 5 (Pliocene)	Khc	Granodiorite of Hook Creek (Cretaceous)		
Qoa ₃	Old alluvial-valley deposits, Unit 3 (late to middle Pleistocene)	(= \	Heterogeneous tonalite (Cretaceous)	Tgry	Granodiorite, Yucaipa area (Oligocene)	Ра	Anorthosite (Proterozoic)	Tcr ₄	Crowder Formation, Unit 4 (Pliocene and Miocene)	Kwc	Granodiorite of Willow Creek (Cretaceous)		
Qoa ₂	Old alluvial-valley deposits, Unit 2 (late to middle Pleistocene)	Kdad	Diorite and quartz diorite, undifferentiated (Cretaceous)	Td	Dacite dikes (Oligocene)	Pgnd	Dioritic gneiss or amphibolite (Proterozoic)	Tcr ₃	Crowder Formation, Unit 3 (Pliocene and Miocene)	KJta	Tonalite of Ord Mountains (Cretaceous or Jurassic)		
Qoa ₁	Old alluvial-valley deposits, Unit 1 (late to middle Pleistocene)	Kd	Diorite, undifferentiated (Cretaceous)	Tgh	Hypabyssal granitic rocks (Oligocene)	Рру	Gneiss of Pleasant View Ridge (Proterozoic)	Tcr ₂	Crowder Formation, Unit 2 (Pliocene and Miocene)	KJgm	Mixed granitic rocks, gneiss, and quartzite (Cretaceous or Jurassic)		
Qoc	Old colluvial deposits (late to middle Pleistocene)	Kadt	Granodiorite and tonalite, undifferentiated (Cretaceous)	Tmd	Mountain Meadows Dacite (Oligocene)	Ppva	Gneiss of Pleasant View Ridge, augen gneiss	Tcr ₁	Crowder Formation, Unit 1 (Pliocene and Miocene)	KJdd	Quartz monzonite of Dawn O'Day Canyon (Cretaceous or Jurassic)		
$ \begin{tabular}{c c} $^{\triangleleft} & \triangle_{\nabla} & \triangleleft & \triangle_{\nabla} & \triangle_{\nabla} \\ $^{\nabla} & < & Qols_{\nabla}^{\triangleright} & > \\ $^{\triangleleft} & \triangleleft & \triangle_{\nabla}^{\triangleright} & > \\ $^{\vee} & \triangleleft & < \\ \end{tabular} $	Old landslide deposits (late to middle Pleistocene)	Kt	Tonalite (Cretaceous)	Tr	Rhyolite porphyry dikes (Oligocene)	Pgt	Pelitic gneiss of Troop Peak (Proterozoic)		Cajon Valley Formation (Miocene)	KJqd	Quartz-bearing diorite (Cretaceous or Jurassic)		

Layered gneiss, undifferentiated (Proterozoic)

Granulitic gneiss, mylonite, and cataclasite, retrograde (Proterozoic)

Granulitic gneiss, mylonite, and cataclasite (Proterozoic)

Pelona Schist and granodiorite of Telegraph Peak (Oligocene and Mesozoic)

Tsf San Francisquito Formation, Undifferentiated (Paleocene)

Cajon Valley Formation, Unit 6

Tcv₄ Cajon Valley Formation, Unit 4

Cajon Valley Formation, Unit 5, includes reddish-brown conglomerate unit (Tcv5a)

Hornblende-biotite granodiorite (Cretaceous or Jurassic)

Mixed diorite and gabbro (Cretaceous or Jurassic)

Quartz diorite of Sand Canyon (Cretaceous or Jurassic)