Geologic Map of the Shadow Mountains, Western San Bernardino County, California

Geology by Mark W. Martin

Topography from United States Geological Survey
Adelanto, Astley Rancho, Shadow Mts, Shadow Mts SE, Red Buttes, and Victorville NW 7.5 Minute Quadrangles

Explantion

- Alluvium bedrock contact
- Lithologic contact; dashed where approximate
- Fault; dashed where approximate; dotted where concealed; ball on downthrown side
- Thrust fault; dashed where approximate; dotted where concealed
- Axial trace of overturned anticline (Silver Peak and Shadow Valley)

- Stike & dip of igneous flow foliation
- Strike & dip of transpositon foliation
- Stike & dip of transpostion foliation & trend & plunge of intersection lineation, crenulation or roddening
- Trend & plunge of Anticline
- Trend & plunge of Syncline
- Trend & plunge of Overturned Anticline
- Trend & plunge of Overturned Syncline
- Trend & plunge of Z-fold
- Trend & plunge of S-fold

N

0 1 2 Kilometers

This map has been digitally treated by John Mitsdarfer, Universtiy of Kansas, Department of Geology, GIS Labratory

Stratigraphic Legend

Qal	Quaternary alluvium			
Kdp	Dacite Porphyry (~ 100 Ma)			
JKp	Peraluminous pegmatitic dikes (141-144 Ma)			
JKgr	Biotite-Hornblende Granite, undifferentiated (~ 143-148 Ma)			
Jg	Hornblende-Quartz Diorite-Gabbro (148 Ma)			
Jt	Syn-to late-tectonic Tonalite			
PMcl	Fine-grained Mica Schists	PM4	Massive Calcsilicate	Permian-Mesozoic Meta-clastics, Marbles, & Calcsilicates
		PM3	Calcite Marble	
		PM2	Layered Calcsilicate	
		PM1	Meta-clastics & Pelite	
	Unconformity			
Ps	Siliceous Marbles	P4	Layered Calcsilicate	Pennsylvanian Permian Marbles & Calcsilicates
Pc	Calcite Marble	P3	Calc-dolo Marble	Pu3 Undifferentiated Pennsylvanian-Permian Marbles and Siliciclastics
Pcs	Layered Calcsilicate	P2	Meta-Arkose	Pu2 Undifferentiated Pennsylvanian-Permian Marbles and Siliciclastics
Pq	Quarzite	P1	Massive Calcite Marble	Pu1 Undifferentiated Pennsylvanian-Permian Marbles and Siliciclastics
	Unconformity			
Cbk1	Dolomite and Calcite Marble Horizons			Cambrian Bonanza King Formation
Cbk	Dolomite and Calcite Marble			
Ccq	Quartzite			Cambrian Carrara Formation
Cc	Calcsilicate			
Ccl	Calcsilicate horizon			
Ccd	Dolomite Marble			
Cz	Quartzite and Meta-Arkose			Cambrian Zabriskie Quartzite
pCCw	Biotite Schist			Late Proterozoic-Cambrian Wood Canyon Formation
pC4	Blue-green Quartzite			Late Proterozoic-Cambrian Undifferntiated
pC3	Pink Quartzite			
pC2	Biotite-Staurolite Schist			
pC1	Dolomite Marble			