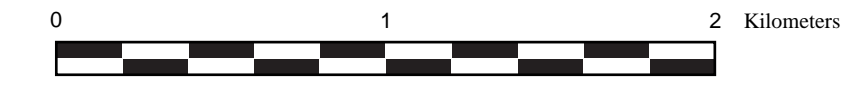
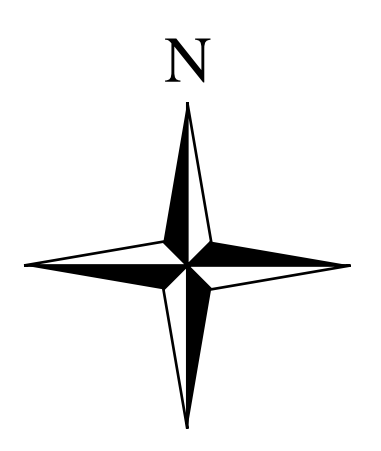


# Geologic Map of the Shadow Mountains, Western San Bernardino County, California

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

## Explanation

- 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)
- Strike & dip of igneous flow foliation
- Strike & dip of transposition foliation
- Strike & dip of transposition foliation & trend & plunge of intersection lineation, crenulation or refolding
- 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



This map has been digitally revised by John Maderfer, University of Kansas, Department of Geology, GIS Laboratory

## Stratigraphic Legend

Qal	Quaternary alluvium		
Kdp	Dacite Porphyry (~100 Ma)		
Jkp	Porphyritic pegmatite dikes (143-144 Ma)		
Jkgr	Biote-Hornblende Granite, undifferentiated (~143-144 Ma)		
Jg	Hornblende-Quartz Diverse Gabbro (148 Ma)		
J	Syn to late-orogenic Tonalite		
PM3	Fire-grained Meta-Schist	PM3	Massive Calcisiltite
		PM2	Calcite Marble
		PM1	Lapland Calcisiltite
		PM1	Meta-clastics & Pelite
Unconformity			
P5	Siliceous Marble	P4	Lapland Calcisiltite
P3	Calcite Marble	P3	Calc-dolomite Marble
P2	Lapland Calcisiltite	P2	Meta-Ischne
P1	Quartzite	P1	Massive Calcite Marble
P1		P1	Undifferentiated Pennsylvanian-Pennsylvanian Marble and Siliceous rocks
Unconformity			
KSN1	Dolomite and Calcite Marble, Biotite		
KSN2	Dolomite and Calcite Marble		
KSN3	Quartzite		
CC	Calcisiltite		
CC1	Calcisiltite, biotite		
CC2	Dolomite Marble		
CC3	Quartzite and Meta-Ischne		
KCCW	Biotite Schist		
KCS1	Biotite-garnet Quartzite		
KCS2	Pink Quartzite		
KCS3	Biotite-Schist-like Schist		
KCS4	Dolomite Marble		

