

# Geology of the Black Canyon City and Squaw Creek Mesa Quadrangles, central Arizona

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Map Units	
<b>Quaternary Stream Deposits</b>	
Qacy (Holocene)	Younger alluvial channel deposits
Qaco (Holocene)	Older alluvial channel deposits
Qac (Holocene)	Alluvial channel deposits, undivided
Qaty (Holocene)	Younger alluvial terrace deposits
Qato (Late Pleistocene to Holocene)	Older alluvial terrace deposits
Qat (Late Pleistocene to Recent)	Alluvium, undivided
Qg (Pleistocene)	Stream gravel
Qtg (Late Tertiary to Quaternary)	Older stream gravel
<b>Quaternary Slope Deposits</b>	
Qt (Holocene)	Talus
Qc (Quaternary)	Colluvium
Qct (Quaternary)	Colluvium and talus, undivided
Ql (Quaternary)	Landslide deposits and colluvium
<b>Middle and Late Tertiary Sedimentary and Volcanic Rocks</b>	
Tsm (Middle Miocene to Late Miocene)	Mesa-capping boulder conglomerate
Tsl (Late Early Miocene to Middle Miocene)	Lacustrine sedimentary deposits
Tbm (Late Early Miocene to Middle Miocene)	Basaltic volcanic rocks (Hickey Formation)
Tst (Early Early Miocene to Middle Miocene)	Fluvial-lacustrine deposits and minor tuff
Tb (Early Miocene to Middle Miocene)	Basaltic volcanic rocks, undivided
Tt (Early Miocene to Middle Miocene)	Tuff
Tts (Early Miocene to Middle Miocene)	Tuff, tuffaceous sandstone, and minor sandstone
Tbp (Early Miocene to Middle Miocene)	Basaltic pyroclastic deposits
Tbl (Early Miocene)	Basaltic volcanic rocks (Chalk Canyon Formation)
Tst (Early Miocene)	Conglomerate, sandstone, tuffaceous sandstone, and tuff
Ta (Miocene)	Aeolian volcanic rocks
Ts (Late Oligocene to Miocene)	Clastic sedimentary rocks, undivided
<b>Precambrian Igneous and Metamorphic Rocks</b>	
Xg (Early Proterozoic)	Granitic rocks
Xap (Early Proterozoic)	Granitic pegmatite
Xga (Early Proterozoic)	Apilic granite
Xgd (Early Proterozoic)	Granodiorite, diorite, and tonalite
Xdg (Early Proterozoic)	Diorite, gabbro, and diabase
Xmv (Early Proterozoic)	Mafic to intermediate metavolcanic rocks
Xmfv (Early Proterozoic)	Felsic to intermediate metavolcanic rocks
Xmv (Early Proterozoic)	Metavolcanic rocks, undivided
Xms (Early Proterozoic)	Metasedimentary rocks, undivided
Xm (Early Proterozoic)	Metamorphic rocks, undivided

\* Maps units that include unit symbols in parentheses denote the location of a specific lithologic sub-unit within the larger map unit (e.g., (Xmvf) in Xmv, (Tb) in Ql, etc.).

