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ARIZONA GEOLOGICAL SURVEY
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Geologic Map of the Stewart Mountain Quadrangle, Maricopa County, Arizona

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UNIT DESCRIPTIONS

Quaternary Deposits

Piedmont Deposits

- Qyc Modern alluvium (<100 yr)
- Qy Holocene alluvium (<10 ka)
- Ql Late Pleistocene alluvium (10 to 250 ka)
- Qm Middle Pleistocene alluvium (250 to 750 ka)

Major River Deposits

- Qycr₂ Active channel deposits
- Qycr₁ Modern flood plain deposits (0 to 100 yrs)
- Qyr Holocene river terrace deposits (0 to 10 ka)—Lehi terrace
- Qyr₂ Younger member of the Lehi terrace
- Qyr₁ Older member of the Lehi terrace
- Qlr Late Pleistocene river terrace deposits (10 to 250 ka)—Blue Point terrace
- Qlr₂ Younger member of the Blue Point terrace
- Qlr₁ Older member of the Blue Point terrace
- Qmr Middle Pleistocene river terrace deposits (~400 to 750 ka)—Mesa terrace
- Qmr₂ Younger member of the Mesa terrace
- Qmr₁ Older member of the Mesa terrace
- Qor Early Pleistocene river terrace deposits (750 ka to 2 Ma)—Sawik terrace

Tertiary Rocks

- Tsy Younger sedimentary basin-fill deposits
- Tsb Monolithic breccia
- Tb Basalt
- Tr Rhyolite
- Tri Intrusive rhyolite
- Tt Bedded tuff
- Trda Rhyodacite
- Td Dacite
- Tdt Bedded tuff
- Tl₂ Massive tuff
- Tl₁ Bedded tuff
- Tbl Lower basalt
- Tc Conglomerate

Proterozoic Intrusive Rocks

- Xqv Foliated quartz vein
- Xs Biotite schist
- Xge Equigranular granite
- Xd Diorite
- Xgc Porphyritic granite

Proterozoic Metamorphic Rocks

- Xvi Mafic to intermediate hypabyssal intrusive rock
- Xr Metarhyolite
- Xc Metaconglomerate
- Xp Phyllite

Map Symbols

- bedding
- flow-foliation in dacite
- metamorphic foliation in plutonic rocks, with lineation
- vertical foliation
- secondary metamorphic foliation
- contact, dashed where approximately located
- fault, with attitude and lineation, dashed where uncertain, dotted where concealed
- foliated leucocratic granite dike at Stewart Mountain
- shear zone
- marker horizon; separates rhyolite flows and delineates unconformities within bedded tuffs

SOURCES OF DATA

