

ARIZONA GEOLOGICAL SURVEY
Open-File Report 97-2, sheet 1 of 1, with text

Geologic Map of the Wildcat Hill Quadrangle,
Maricopa County, Arizona

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UNIT DESCRIPTIONS

Quaternary Deposits

Piedmont Deposits

- Qy Holocene alluvium (<10 ka)
Ql Late Pleistocene alluvium (10 to 250 ka)
Qml Middle and Late Pleistocene alluvium, undivided (10 to 750 ka)
Qm Middle Pleistocene alluvium (250 to 750 ka)
Qm2 Younger member of the middle Pleistocene alluvium
Qm1 Older member of the middle Pleistocene alluvium

Late Tertiary Deposits

- Tsy Younger sedimentary basin-fill deposits
Tsy1 Lower unit of the younger sedimentary basin-fill deposits

Middle Tertiary Units

- Tsl Lacustrine deposits
Tb Basalt
Trp Crystal-rich rhyolite dikes
Tt Tuff
Tfi Felsic to intermediate volcanic rocks
Tl Latite
Tcv Volcaniclastic conglomerate
Tc Conglomerate (granitic clasts)

Proterozoic Intrusive Rocks

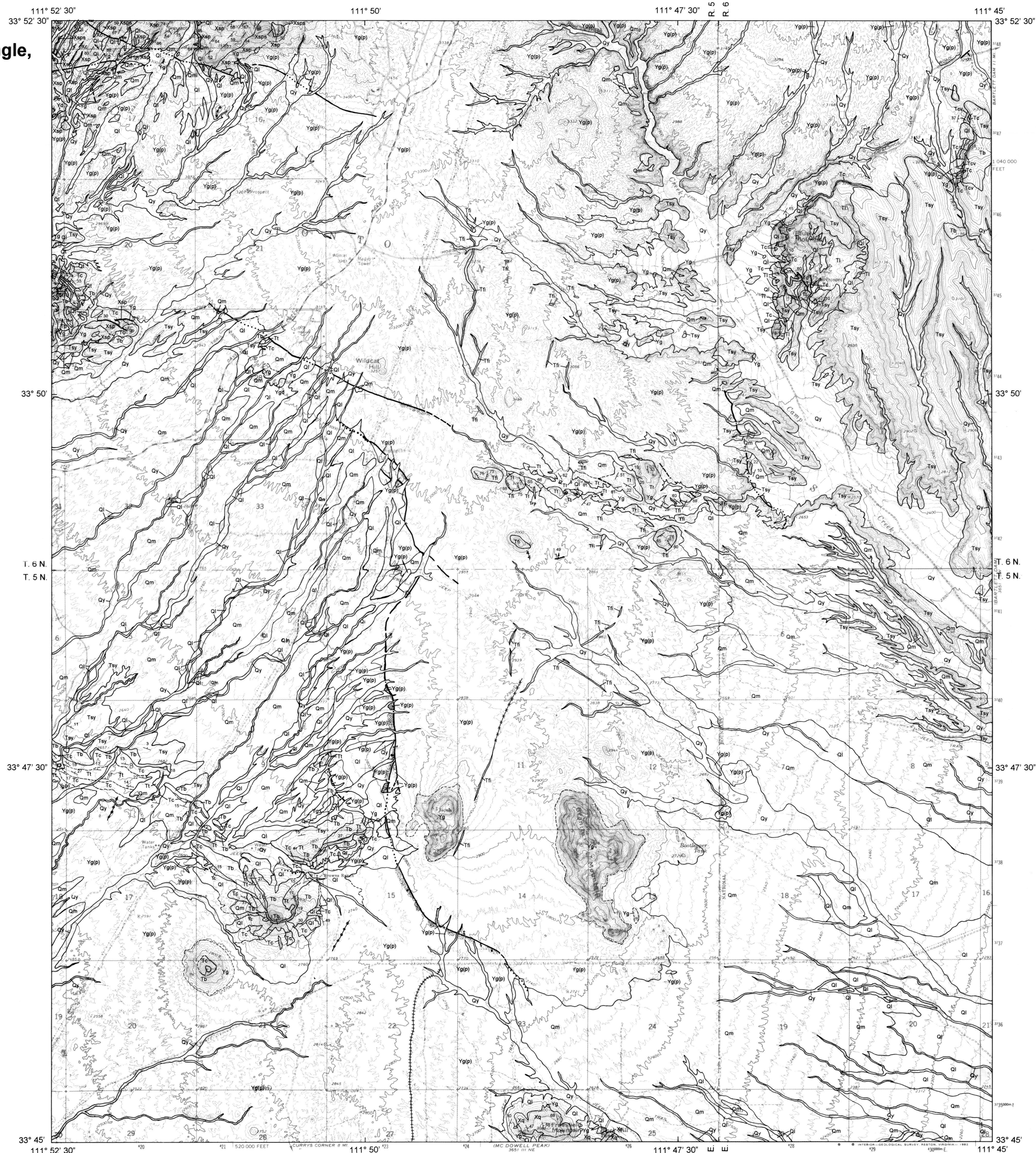
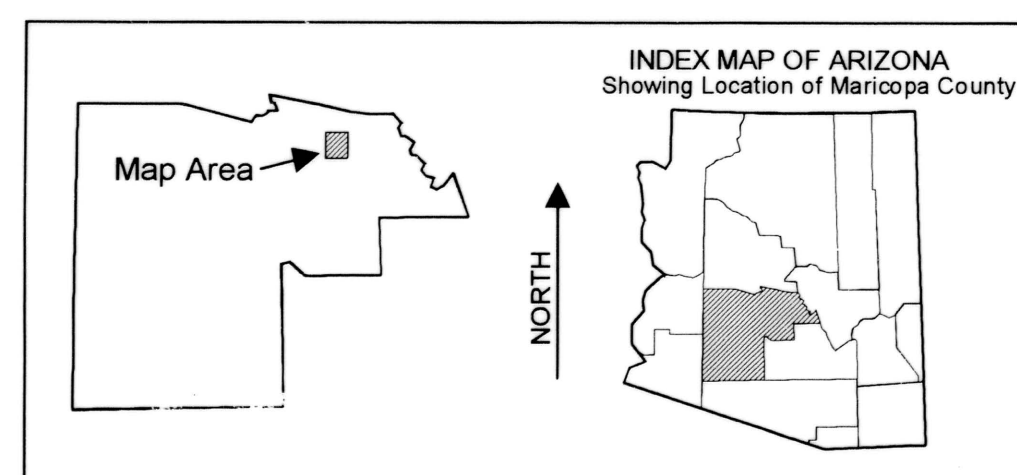
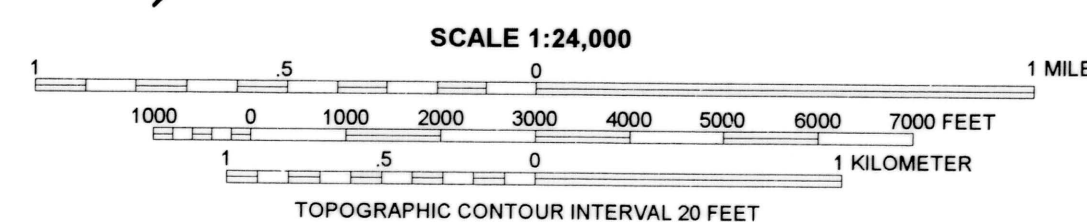
- Yg(p) Granite pediment
Yg Granite
Ygd Granodiorite
Yd Diorite

Proterozoic Meta-sedimentary Rocks

- Xr Rhyolite
Xq Quartzite
Xsp Pelite
Xsps Psammite
Xc White chert

Map Symbols

- bedding
overturned bedding
vertical bedding
graded bedding, arrow points up-section
cross-bedding, arrow points up-section
metamorphic foliation, with lineation
vertical metamorphic foliation
flow foliation in felsic intrusive rock
contact, dashed where approximately located
fault, with attitude and lineation, dashed where uncertain, dotted where concealed
felsic dikes
mafic dikes
chalcedony-filled fractures or faults
crystal-rich rhyolite dikes
carbonate along fault



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