COMPILATION GEOLOGIC MAP OF THE GALLETA FLAT WEST 7.5' QUADRANGLE, PIMA AND COCHISE COUNTIES, ARIZONA

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Arizona Geological Survey Digital Geologic Map 8

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MAP EXPLANATION

GEOLOGIC MAP SYMBOLS

- Geologic contacts (dashed where approximate; dotted where concealed; queried where guessed)
- Normal fault showing attitude of fault surface (dashed where approximate; queried where guessed; dotted where concealed; ball on down-thrown side)
- Felsic dike
- Thrust fault (dashed where approximate)
- Detachment fault
- Low-angle normal fault
- Inclined bedding
- Crude bedding
- Tectonic foliation
- Mylonitic foliation
- Tectonic foliation defined by mineral alignment or elongation
- Tectonic foliation showing direction of movement
- Stratigraphic up-direction defined by cross-bedding

GEOLOGIC MAP UNITS

Quaternary Deposits

- Qy₂ — Younger Holocene alluvium (<100 yrs)
- Qy₁ — Older Holocene alluvium (<10 ka)
- Qy — Holocene alluvium, undivided (<10 ka)
- Ql — Late Pleistocene alluvium (10 to 250 ka)
- Qm — Middle Pleistocene alluvium (250 to 750 ka)
- Qm/Tw — Middle Pleistocene and Wrong Mountain Quartz Monzonite undivided
- Qo — Early Pleistocene alluvium (750 ka to 1.6 Ma)

Quaternary or Tertiary Deposits

- QTsl — Landslide deposits

Late Tertiary Basin-Fill Deposits

- Tss — Siltstone, central valley facies (St. David Formation)
- Tsfg — Basin-fill deposits (granite-clast dominated)
- Tsq — Basin-fill deposits (quartzite- and limestone-clast dominated)
- Tsgq — Basin-fill deposits (granite- and quartzite-clast dominated)
- Tsg — Basin-fill deposits (granite- and metamorphic-clast dominated)

Tertiary Deposits (Davidson Canyon facies of the Pantano Formation)

- Tdcu — Upper conglomerate
- Txg — Granite breccia
- Ta — Porphyritic andesite
- Tdcl — Lower conglomerate
- Tdcc — Carbonate-clast conglomerate

Tertiary Igneous and Metamorphic Rocks

- Tw — Wrong Mountain Quartz monzonite
- Tws — Muscovite-garnet granite sills
- Tms — Quartz-muscovite schist
- Th — Granodiorite of Happy Valley
- Tcx — Cataclastite
- Tgx — Crushed rock

Cretaceous Rocks

- KJc — Glance Conglomerate
- Kd — Diorite

Paleozoic Sedimentary Rocks

- ꞓs — Paleozoic sedimentary rocks, undivided
- Pcn — Concha Limestone
- Ps — Scherrer Formation
- Pe — Epitaph Dolomite
- Pc — Colina Limestone
- PPe — Earp Formation
- Ph — Horquilla Limestone
- Me — Escabrosa Limestone
- Dm — Martin Formation
- Cau — Upper unit (metamorphosed Abrigo Fm.)
- Camq — Quartzite marker bed
- Cam — Middle unit (metamorphosed Abrigo Fm.)
- Cal — Lower unit (metamorphosed Abrigo Fm.)
- Cb — Bolsa Quartzite

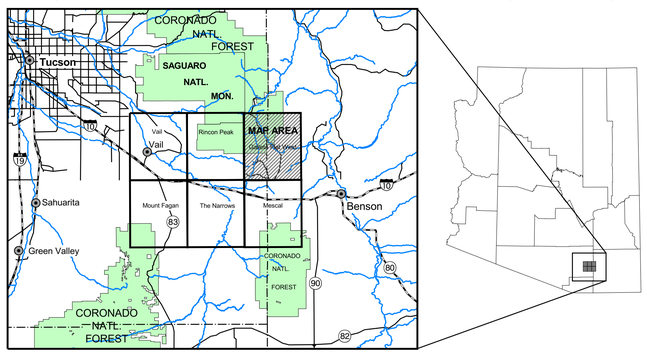
Middle Proterozoic Rocks

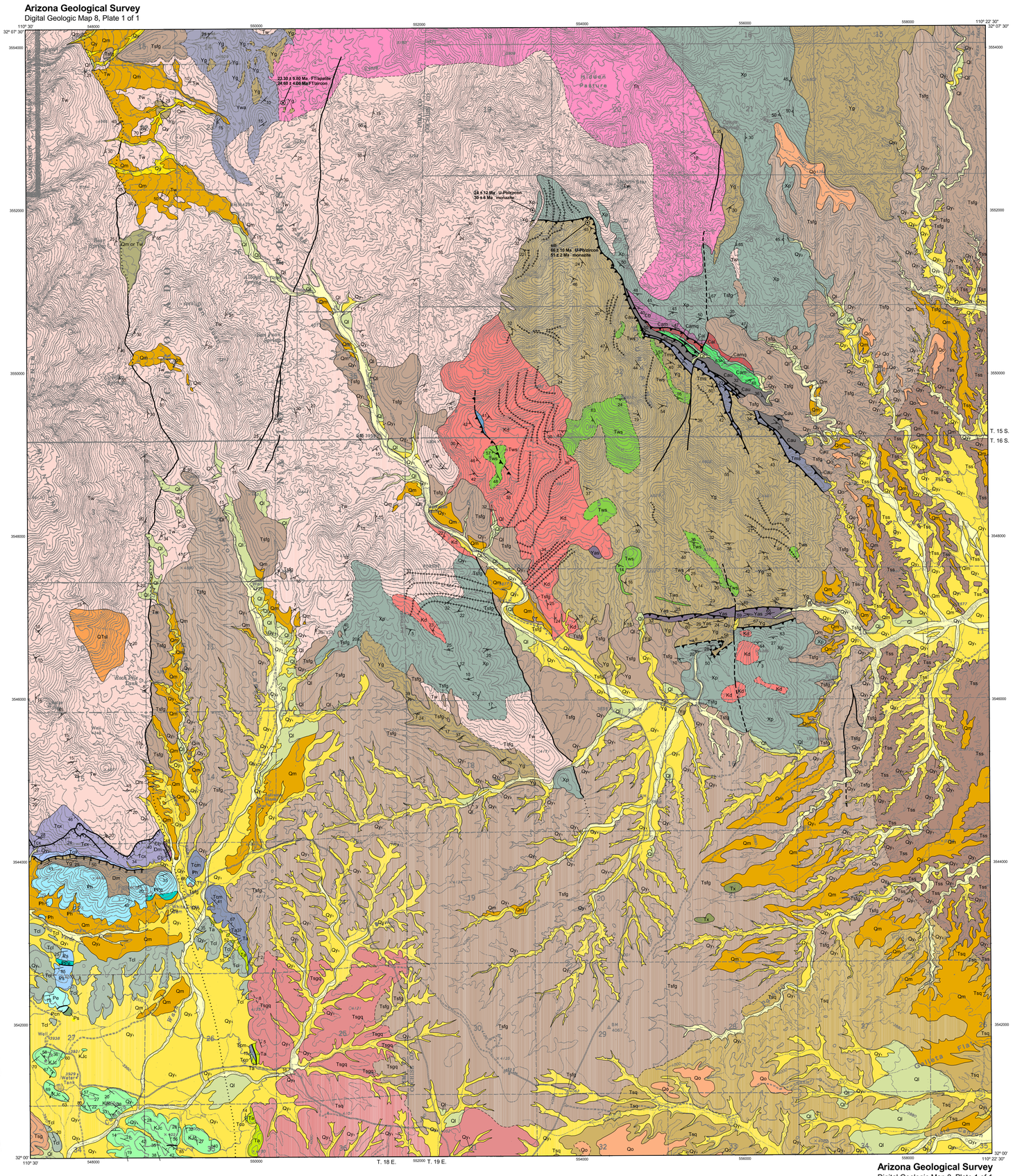
- Yds — Dripping Spring Quartzite (?)
- Yas — Amphibolite schist
- Ywa — Aplite
- Yg — Coarse-grained granite

Early Protrozoic Metamorphic Rocks

- Xp — Pinal Schist

INDEX MAP OF THE CIENEGA GAP AREA
Showing map area location in relation to Pima and Cochise Counties, Arizona, and the greater Tucson region





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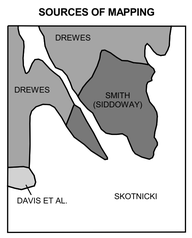
SOURCES OF MAPPING



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1 0 1 Miles

1000 0 1000 2000 3000 4000 5000 6000 7000 Feet

1 0 1 Kilometers