GEOLOGIC MAP OF THE AVONDALE SW 7.5' QUADRANGLE, MARICOPA COUNTY, ARIZONA

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Arizona Geological Survey Digital Geologic Map 16

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MAP EXPLANATION

GEOLOGIC MAP UNITS

Anthropogenic units

- a — Agriculture

Quaternary and Tertiary Deposits

Axial River Deposits

- Qyrc — Modern river channel deposits (< 100 years)
- Qyr_1 — Holocene floodplain deposits (< ca. 4 ka)

Piedmont Deposits

- Qyc — Modern alluvium (modern channel deposits)
- Qy_2 — Holocene alluvium, younger member (<100 yrs)
- Qy_1 — Holocene alluvium, older member (<10 ka)
- Ql — Late Pleistocene alluvium (10 to 250 ka)
- Qm — Middle Pleistocene alluvium (250 to 750 ka)
- Qo — Early Pleistocene alluvium (750 ka to 1.2 Ma)

Tertiary Deposits

- Tsy — Late Tertiary sedimentary deposits
- Txg — Breccia (Middle to Late Tertiary)

Tertiary or Proterozoic Intrusive Rocks

- TXr — Rhyolite dike (Tertiary or Proterozoic)

Proterozoic Rocks

- YXd — Diorite (early to middle Proterozoic)
- Xgn — Mixed mylonite rocks (early Proterozoic?)
- Xgml — Leucocratic granite (Xgl) and biotite-hornblende granodiorite (Xgr), undivided (early Proterozoic)
- Xgl — Leucocratic granite - Cotton Center Granite (early Proterozoic)
- Xg — Medium- to coarse-grained granite - Corgett Wash Granite (early Proterozoic)
- Xgc — Coarse-grained granite - Maricopa Granite (early Proterozoic)
- Xgcm — Mafic phase of the coarse-grained granite (early Proterozoic)
- Xgr — Biotite-hornblende granodiorite - "green granite" (early Proterozoic)
- Xa — Amphibolite (early Proterozoic)

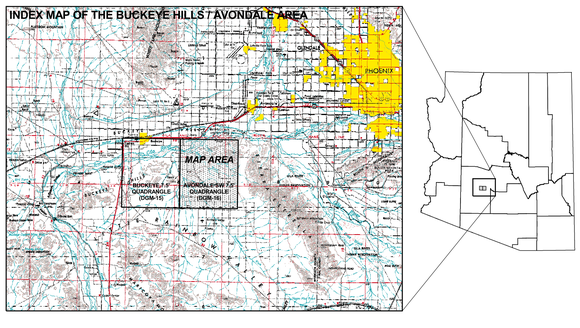
GEOLOGIC MAP SYMBOLS

Line Symbols

- Contact (dashed where approximately located; queried where location guessed; dotted where concealed)
- Normal fault, showing attitude of fault surface (dashed where approximately located; queried where location guessed; dotted where concealed)
- Mafic dike
- Rhyolite dike

Attitude Symbols

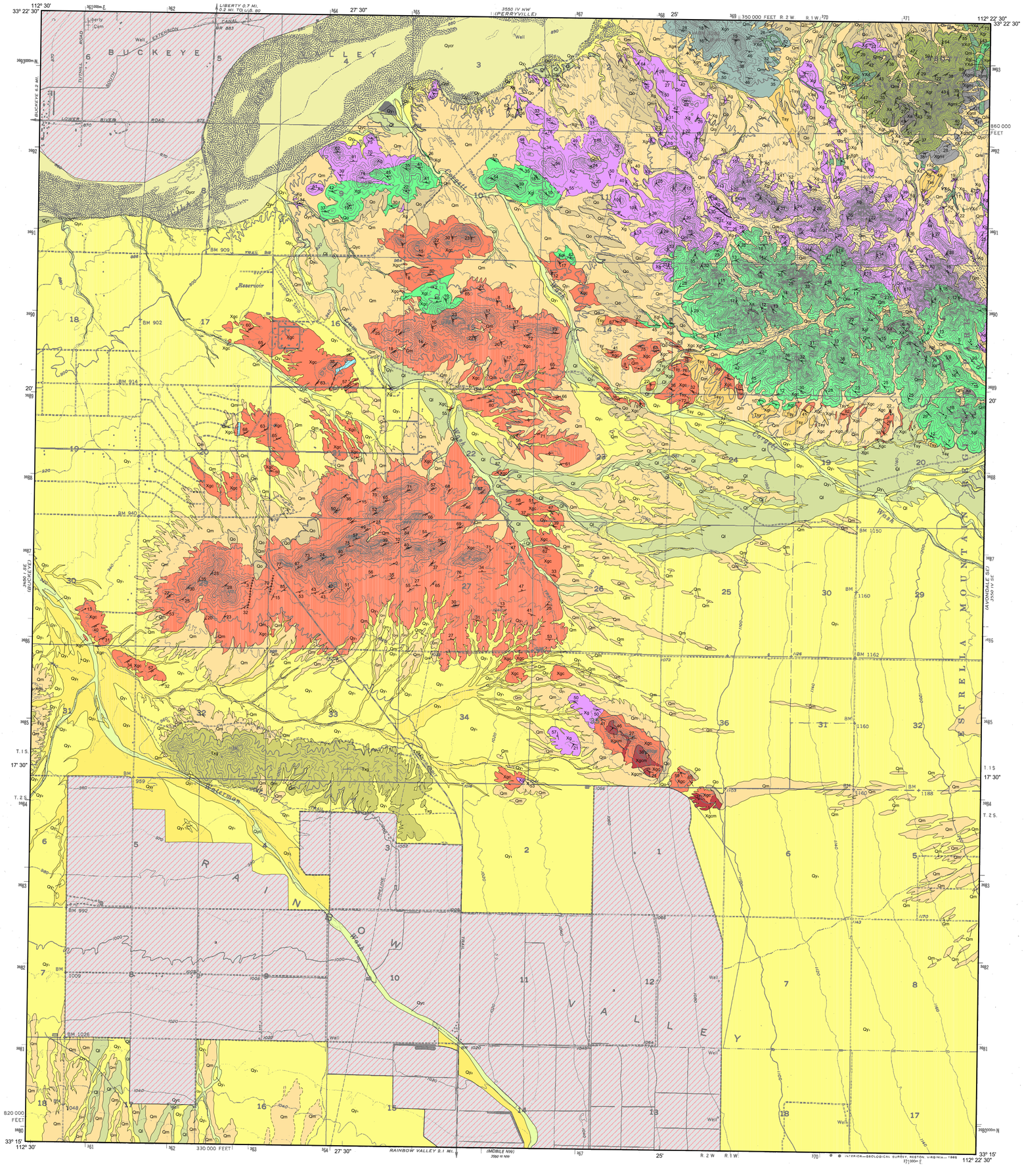
- Inclined tectonic foliation, with stretching lineation
- Vertical tectonic foliation
- Mylonitic foliation, with stretching lineation
- Mineral stretching lineation



LAYOUT SCALE 1:24,000

1 0 1 Miles

1000 0 1000 2000 3000 4000 5000 6000 7000 Feet

1 0 1 Kilometers

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