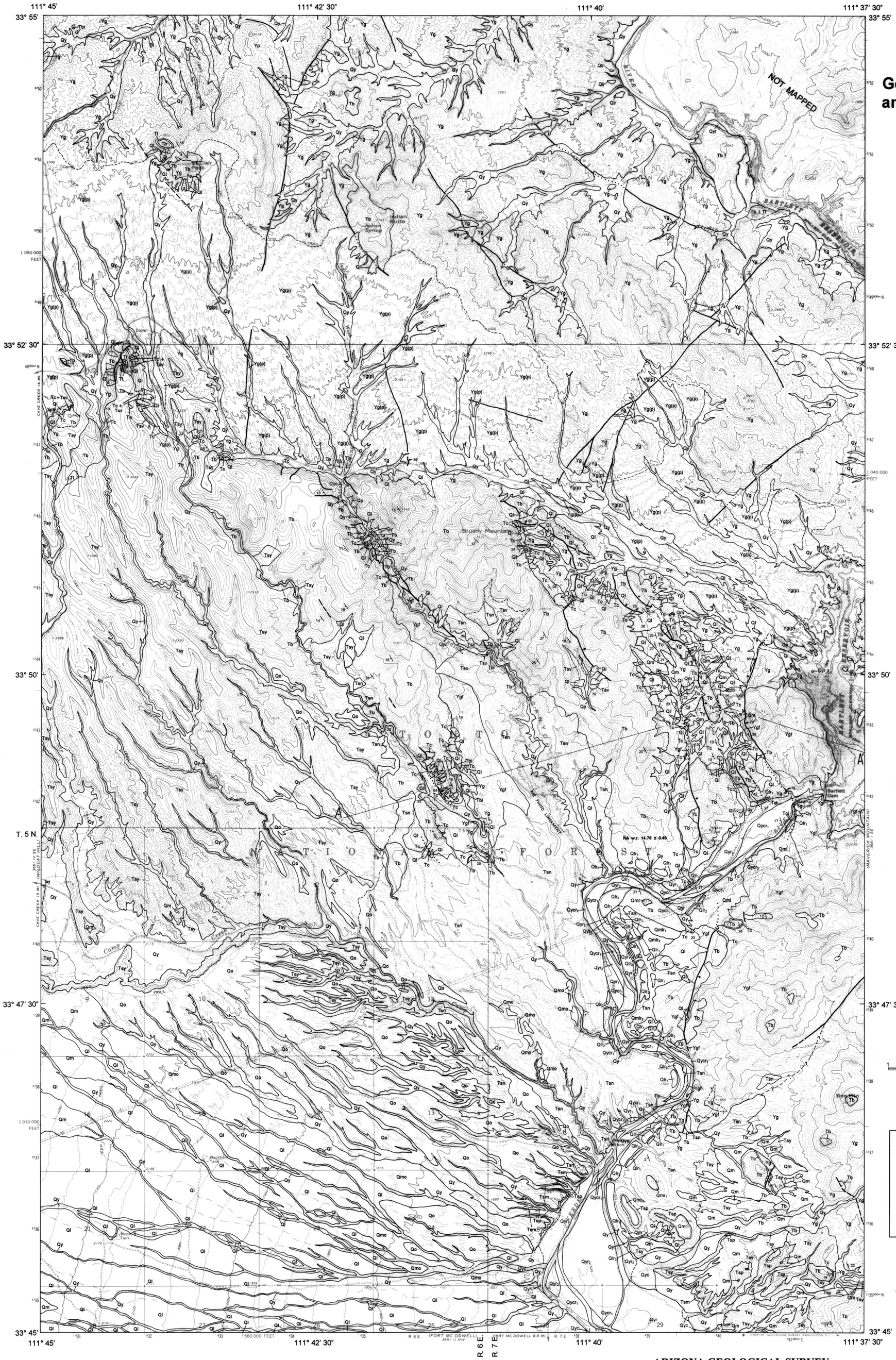


Geologic Map of the Bartlett Dam Quadrangle and the southern part of the Horseshoe Dam Quadrangle, Maricopa County, Arizona

by
Steven J. Skotnicki

September, 1996

UNIT DESCRIPTIONS

Quaternary Deposits

Piedmont Deposits

- **Qyc** Modern alluvium (<100 yr)
- **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)
- **Qmo** Early to Middle Pleistocene alluvium, undivided (250 ka to 2 Ma)
- **Qo** Early Pleistocene alluvium (750 ka to 2 Ma)

Major River Deposits

- **$Qycr_2$** Active channel deposits
- **$Qycr_1$** Modern flood plain deposits (0 to 100 yrs)
- **Qyr** Holocene river terrace deposits (0 to 10 ka)--Lehi terrace
- **Qyr_2** Younger member of the Lehi terrace
- **Qyr_1** Older member of the Lehi terrace
- **Qlr** Late Pleistocene river terrace deposits (10 to 250 ka)--Blue Point terrace
- **Qlr_2** Younger member of the Blue Point terrace
- **Qlr_1** Older member of the Blue Point terrace
- **Qmlr** Middle to Late Pleistocene river terrace deposits (10 to 750 ka)--McDowell terrace?
- **$Qmlr_2$** Younger member of Qmlr
- **$Qmlr_1$** Older member of Qmlr
- **Qmr** Middle Pleistocene river terrace deposits (~400 to 750 ka)--Mesa terrace
- **Qmr_2** Younger member of the Mesa terrace
- **Qmr_1** Older member of the Mesa terrace

Late Tertiary Deposits

- **Tsy** Younger sedimentary basin-fill deposits
- **Tsm** Older river deposits
- **Tsp** Pemberton Ranch formation
- **Tsn** Needle Rock formation

Middle Tertiary Units

- **Tt** Tuff
- **Tbi** Intrusive basalt
- **Tb** Basalt
- **Tsv** Volcaniclastic conglomerate
- **Tc** Conglomerate (granitic clasts)
- **Tcl** Conglomerate (metamorphic clasts)

Proterozoic Intrusive Rocks

- **Yg** Granite
- **Yg(p)** Granite pediment
- **Ygf** Fine-grained granite

Map Symbols

- Bedding
- Contact, dashed where approximately located
- Fault with attitude, ball on downthrown side, dashed where uncertain, dotted where concealed
- Flow foliation in granite

N
MN
12.5°

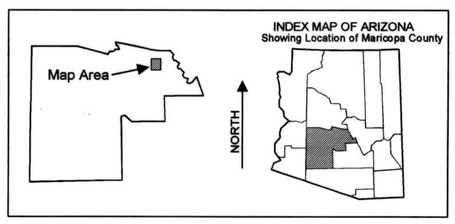
SCALE 1:24,000

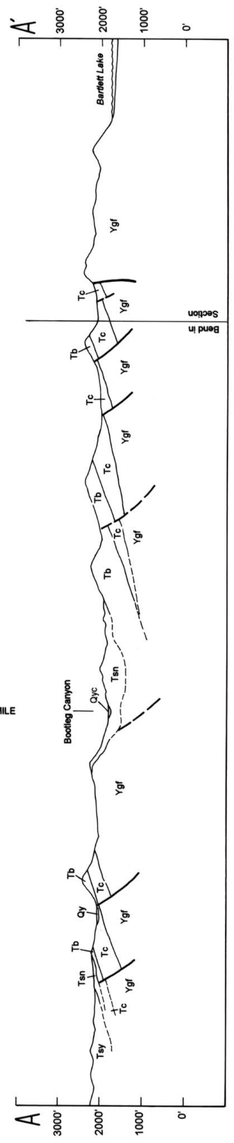
1 .5 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

TOPOGRAPHIC CONTOUR INTERVAL 40 FEET





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