**ARIZONA GEOLOGICAL SURVEY**
*Open-File Report 00-11, sheet 1 of 1, with text*

# Geologic Map of the Four Peaks 7.5' Quadrangle, Maricopa and Gila Counties, Arizona

by
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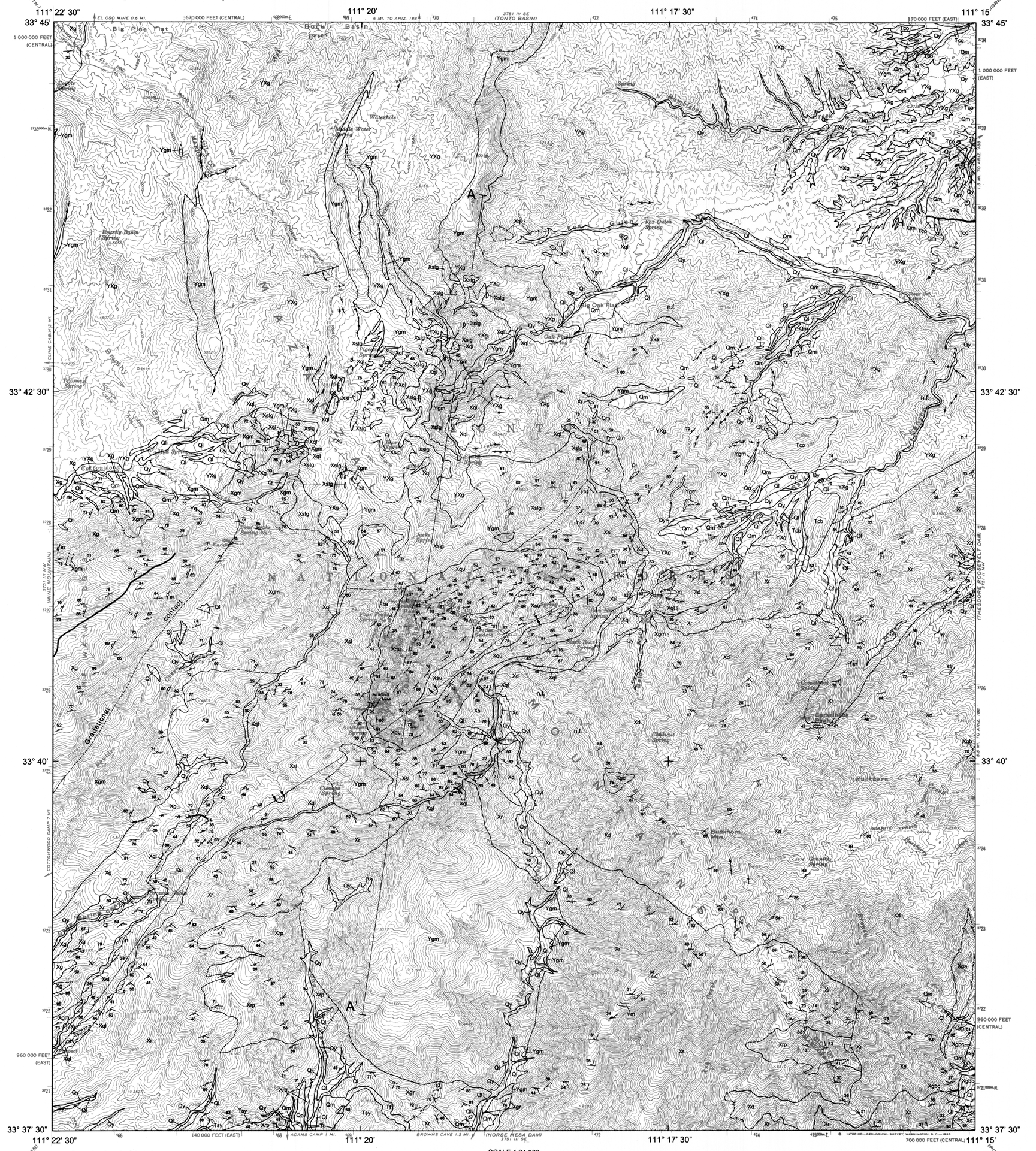


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SCALE 1:24,000

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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## UNIT DESCRIPTIONS

***Quaternary Deposits***

| | |
|---|---|
| Qy | Holocene alluvium (<10 ka) |
| Qyl | Holocene and Late pleistocene alluvium, undivided |
| Ql | Late Pleistocene alluvium (10 to 250 ka) |
| Qm | Middle Pleistocene alluvium (250 to 750 ka) |
| Qo | Early Pleistocene alluvium (750 ka to 2 Ma) |

***Tertiary Deposits***

| | |
|---|---|
| Tcy | Younger conglomerate |
| Tco | Older conglomerate |
| Tcb | Conglomerate and breccia |
| Tt | Tuff |

***Middle Proterozoic Intrusive Rocks***

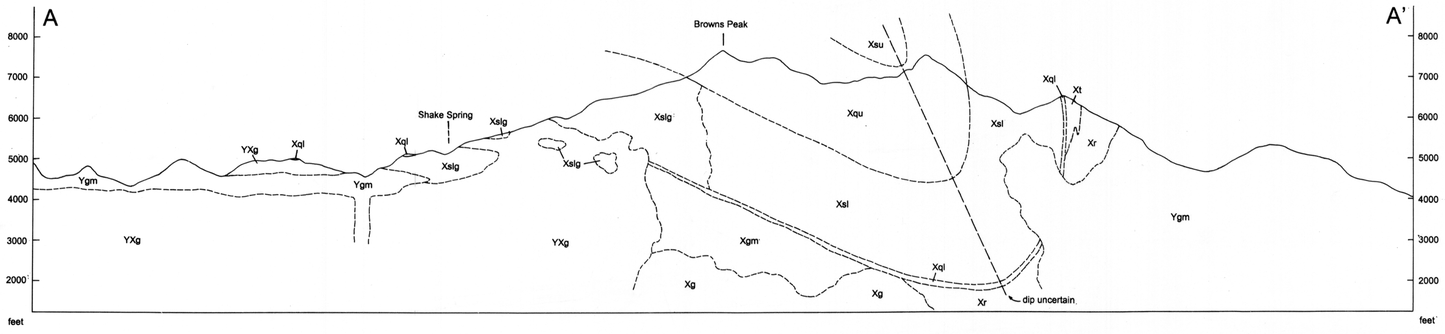
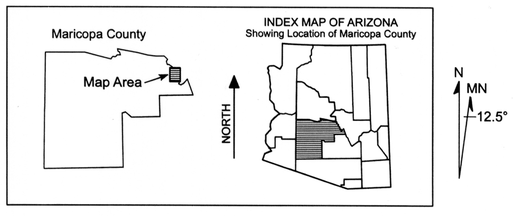
| | |
|---|---|
| Ygm | Medium- to fine-grained granite |
| Yi | Quartz-feldspar porphyry dikes |
| Yq | Quartz intrusion |

***Early to Middle Proterozoic Intrusive Rocks***

| | |
|---|---|
| YXg | Coarse-grained granite |
| Xg | Granite |
| Xgm | Foliated medium-grained granite |
| Xgr | Transitional granitoid |
| Xga | Aplitic granite |
| Xgbc | Granitic rocks of Bronco Creek |
| Xgb | Diorite-gabbro phase |
| Xgc | Coarse-grained granite |
| Xd | Diorite |

***Early Proterozoic Metamorphic Rocks***

| | |
|---|---|
| Xsu | Upper sedimentary unit |
| Xqu | Upper quartzite |
| Xslg | Gneissic lower sedimentary unit |
| Xsl | Lower sedimentary unit |
| Xql | Lower quartzite |
| Xt | Tuff |
| Xm | Amphibolite |
| Xr | Metarhyolite |
| Xrp | Rhyolite porphyry |

### Map Symbols

- horizontal bedding
- inclined bedding
- overturned bedding
- prominent joints
- contact, dashed where approximately located
- fault, with attitude, dashed where uncertain, dotted where concealed
- zone of strong mylonitic foliation
- n.f. — not foliated
- primary metamorphic foliation in plutonic rocks, with lineation defined by mineral alignment and/or elongation
- primary metamorphic foliation, with lineation defined by crenulations
- secondary metamorphic foliation
- flow-foliation and schlieren
- trend and plunge of fold hinge line
- trend normal to ripple laminations
- doubly plunging syncline
- medium-grained granite dike (map unit Ygm)
- quartz porphyry and aplite dike
- overturned syncline