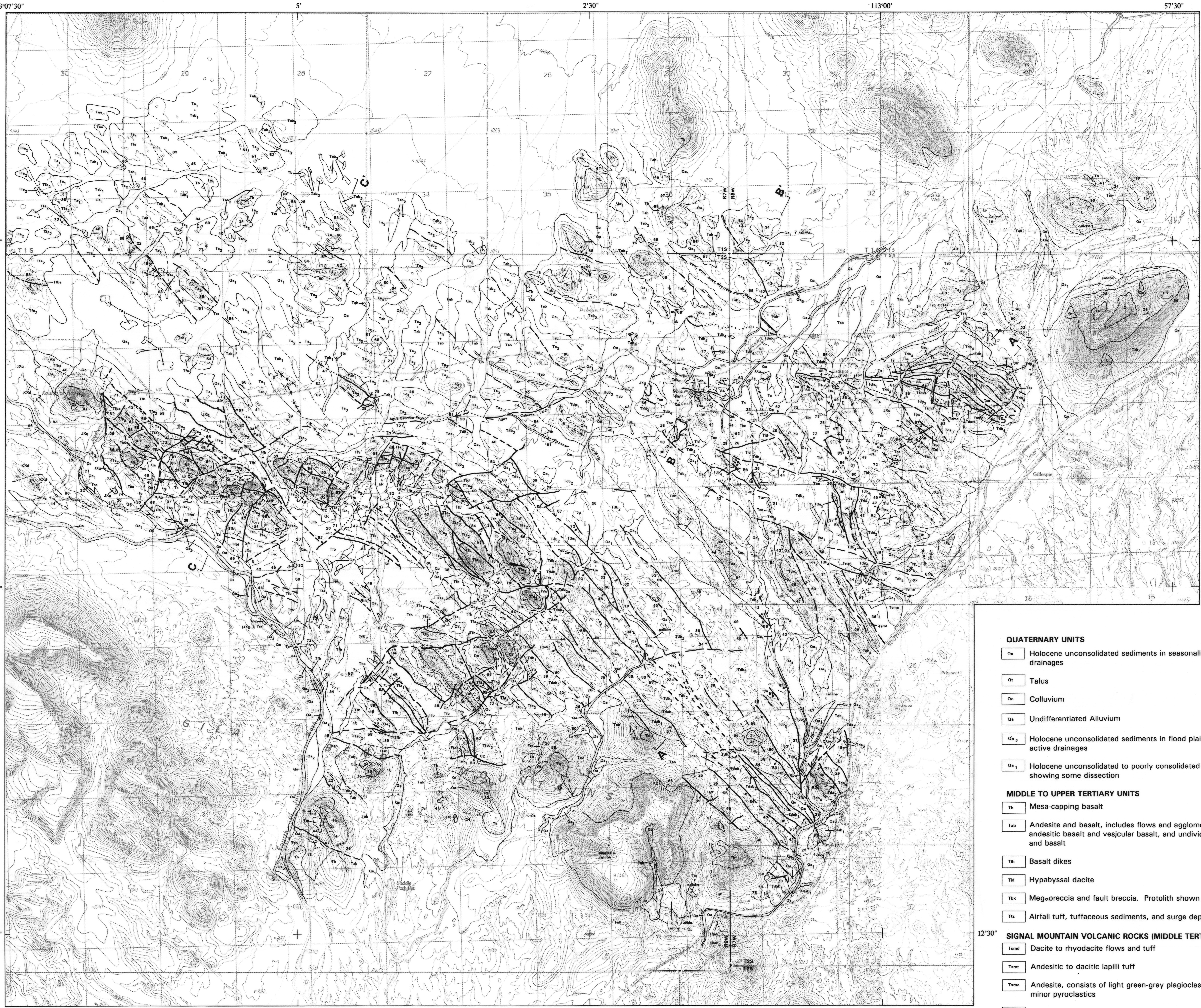


QUATERNARY UNITS

- Qs — Holocene unconsolidated sediments in seasonally active drainages
- Qt — Talus
- Qc — Colluvium
- Qa — Undifferentiated Alluvium
- Qa₂ — Holocene unconsolidated sediments in flood plain of seasonally active drainages
- Qa₁ — Holocene unconsolidated to poorly consolidated sediments showing some dissection

MIDDLE TO UPPER TERTIARY UNITS

- Tb — Mesa-capping basalt
- Tab — Andesite and basalt, includes flows and agglomerate; platy andesitic basalt and vesicular basalt, and undivided andesite and basalt
- Tib — Basalt dikes
- Tid — Hypabyssal dacite
- Tbx — Megabreccia and fault breccia. Protolith shown in parentheses
- Tts — Airfall tuff, tuffaceous sediments, and surge deposits

SIGNAL MOUNTAIN VOLCANIC ROCKS (MIDDLE TERTIARY)

- Tamd — Dacite to rhyodacite flows and tuff
- Tamt — Andesitic to dacitic lapilli tuff
- Tama — Andesite, consists of light green-gray plagioclase-bearing flow and minor pyroclastics
- Tqp — Quartz porphyry, consists of rhyodacitic pyroclastic rock possibly related to Signal Mountain Volcanics

DIXIE MINE VOLCANIC ROCKS (MIDDLE TERTIARY)

- Tdb₄ — Dark-weathering basalt flows and pyroclastics
- Tda₃ — Dark-colored andesite flows with up to 10% coarse euhedral plagioclase
- Tda₂ — Orange-weathering, dark-colored, platy andesite
- Tdb₃ — Red aphyric andesite and basalt flows
- Tda₁ — Pink-, tan-, and gray-weathering andesite, with interlayered dark basalt flows and tuffs
- Tdb₂ — Black and red basalt flows, scoria, pyroclastics and andesitic basalt
  - Tdb₂a — Green-tan weathering basalt, fresh aspect
- Tdab₂ — Gritty, brown-weathering basalt
- Tdab₁ — Platy-gray andesite, basalt and light-gray and pink andesite fows
- Tdb₁ — Red- and gray- weathering, aphyric, platy basalt flow

VOLCANIC ROCKS NORTH OF AGUA CALIENTE FAULT (MIDDLE TERTIARY)

- Tab₂ — Gray-weathering, olivine-pyroxene phyric basalt and andesitic basalt flows
- Tas — Red and gray, largely aphyric flows with lesser vesicular basalt and scoria
- Ta₃ — Pink-tan-weathering andesite with up to 12% plagioclase phenocrysts
- Ta₂ — Red andesite with brown and gray agglomerate at base. Contains up to 15% plagioclase
- Tab₁ — Light-gray basaltic and andesitic basalt
- Ta₁ — Red- and gray- weathering, plagioclase phyric andesite

FOURTH OF JULY VOLCANIC ROCKS (MIDDLE TERTIARY)

- Tfa₂ — Dark-red, reddish-purple, tan-gray-weathering, platy or flow-banded andesite
- Tft — Andesitic tuff
- Tfba — Light-gray-weathering, locally platy, basaltic andesite
- Tfa₁ — Platy orange-tan-weathering andesite
- Tfb/Tfbt — Dark-weathering vesicular basalt, scoria, and thin basaltic andesite flows near base. Tfbt includes andesitic tuff and flows
- Tfab₂ — Pink-tan or red weathering, platy, flow banded andesite. Includes vesicular basalt and scoria near base.
- Tfab₁ — Light gray basaltic andesite, weathers tan or brown. May contain interlayered scoria or vesicular basalt.

MIDDLE TERTIARY SEDIMENTARY UNITS

- Ts — Clastic sedimentary rocks
- Tss — Sandstone, siltstone, and shale
- Tsc — Conglomerate and sandstone

PRE-TERTIARY UNITS

- KXg — Granodiorite, diorite, diabase dikes, and minor felsic crystalline rocks
- JXg — Gneiss, schist, and minor quartzite

MAP SYMBOLS

- Intermediate dike
- Mafic dike
- Fault, showing dip; dashed lines where inferred or concealed; normal faults have ball on downthrown side
- Low-angle normal fault; hachures on upper plate
- Depositional or intrusive contact
- Fold
- Joint, joint set
- Flow or metamorphic foliation
- Cleavage
- B — B' Line of cross section

GEOLOGIC MAP OF THE CENTRAL GILA BEND MOUNTAINS, WEST-CENTRAL ARIZONA

by

Elizabeth A. Scott

1991

SCALE 1:24,000

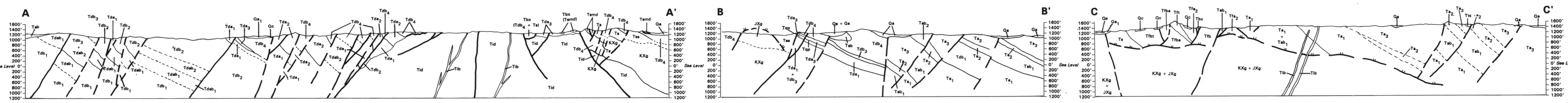
1 .5 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

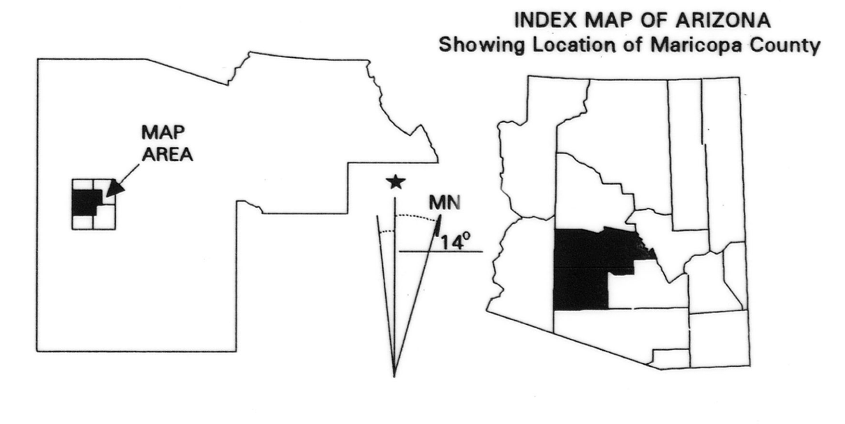
1 .5 0 1 KILOMETER

TOPOGRAPHIC CONTOUR INTERVAL 20, 40 FEET

Geologic Cross Sections



INDEX MAP OF ARIZONA
Showing Location of Maricopa County



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ARIZONA GEOLOGICAL SURVEY

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