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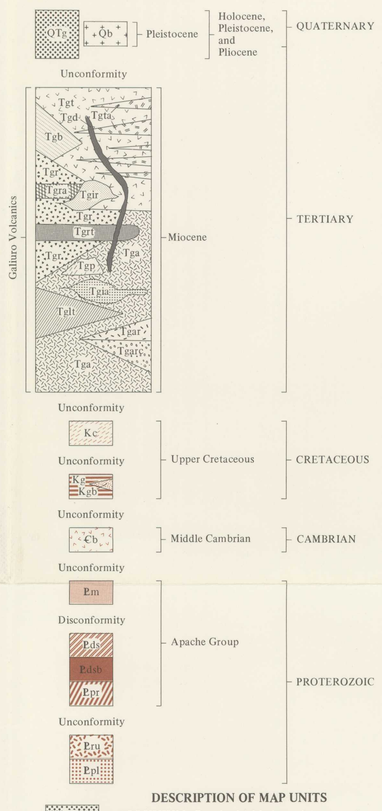
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BULLETIN 1490
PLATE 1

CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

QTg — ALLUVIUM—Poorly bedded sandstone and conglomerate that make up basin fill. Unconsolidated sand that mantles pediment surfaces, and unconsolidated sand and gravel in existing streams and washes

Qb — BASALT—Black to gray aphanitic flows

GALIURO VOLCANICS—Includes:

- Tgd — Dikes—Chiefly rhyolite, quartz latite, and latite or dacite
- Tgir — Intrusive rhyolite, rhyodacite, or quartz latite
- Tgt — Ash-flow tuff—Includes welded and nonwelded phases
- Tgta — Andesite—Chiefly flows
- Tgb — Rhyolite breccia
- Tgr — Rhyolite and obsidian
- Tgrg — Andesite—Chiefly flows
- Tgrt — Bedded tuff
- Tgar — Rhyolite, rhyodacite, and quartz latite
- Tgarc — Conglomerate
- Tglt — Ash-flow tuff
- Tgp — Pyroclastic cones
- Tgia — Intrusive andesite
- Tga — Andesite—Chiefly flows, but includes pyroclastic deposits and rare beds volcanic sediment

Kc — COPPER CREEK GRANODIORITE—Composite pluton that includes separate porphyritic and equigranular intrusions

Kgb — SEDIMENTARY BRECCIA—Landslide masses of brecciated Dripping Spring Quartzite

Kg — GLORY HOLE VOLCANICS—Chiefly mafic flows

Ꞓb — BOLSA QUARTZITE

APACHE GROUP—Includes:

- Ꝑm — Mescal Limestone
- Ꝑds — Dripping Spring Quartzite
- Ꝑdsb — Barnes Conglomerate Member
- Ꝑpi — Pioneer Formation

Ꝑru — RUIN GRANITE

Ꝑpl — PINAL SCHIST

Contact, showing dip

Fault, showing dip. U, upthrown side; D, downthrown side. Dotted where concealed

Strike and dip of beds

- Inclined
- Vertical
- Horizontal

Strike and dip of foliation

Strike and dip of flow layering in lavas

Mine

MAGNETIC CONTOURS—Showing total intensity magnetic field of the Earth in gammas relative to arbitrary datum. Hachured to indicate closed areas of lower magnetic intensity. Contour intervals 25 and 125 gammas

2680 × MAXIMUM OR MINIMUM INTENSITY—Location measured within closed high or closed low

FLIGHT PATH—Showing location and spacing of data

Aeromagnetic survey flown at 8,000 feet barometric elevation; flight line spacing 1 mile, 1972

Base from U.S. Geological Survey Galiuro Mountains, 1938; Klondyke, 1938; Sierra Bonita Ranch, 1940; Winchester Mountains, 1957; Redington, 1957

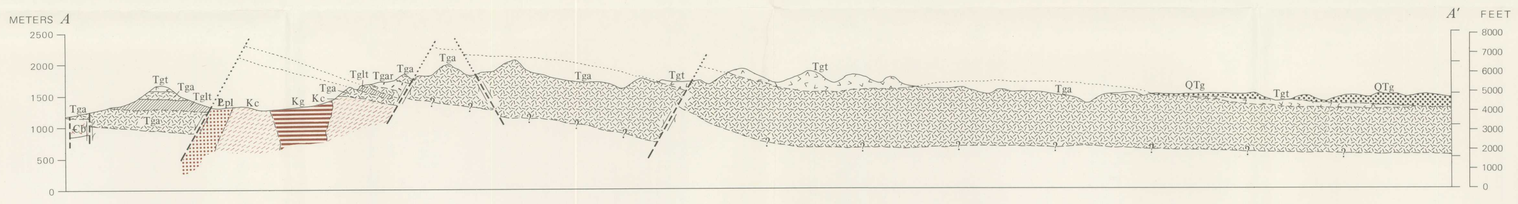
APPROXIMATE MEAN DECLINATION, 1981

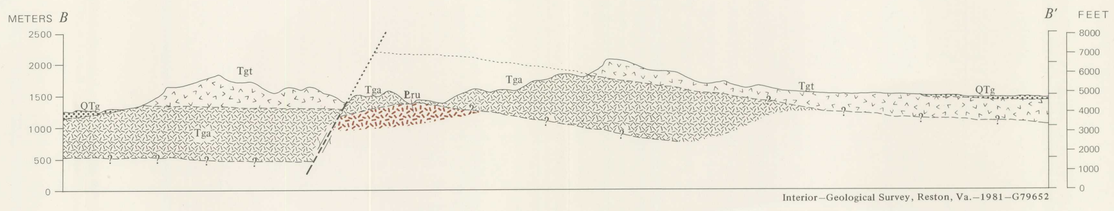
SCALE 1:62 500

CONTOUR INTERVAL 50 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Area of map

Geology by S. C. Creasey and W. J. Keith, 1972
Area north of lat 32°45' modified from Simons (1964)





Interior—Geological Survey, Reston, Va.—1981—G79652

AEROMAGNETIC AND GENERALIZED GEOLOGIC MAP OF THE GALIURO WILDERNESS AND CONTIGUOUS FURTHER PLANNING AREAS, PINAL AND GRAHAM COUNTIES, ARIZONA