

E X P L A N A T I O N

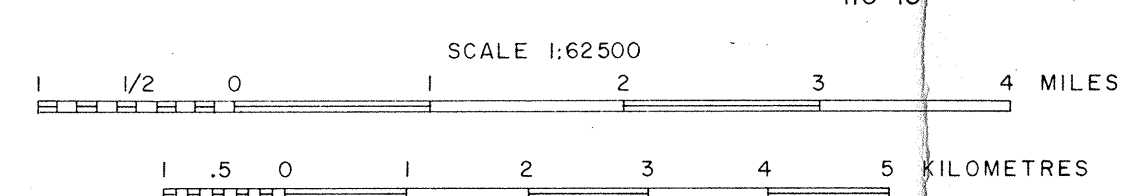
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|-----|---|-------|---|-------|--|------------------------|
| Qs | Gravel, sand, and silt | Qb | Basalt, locally includes tuff and agglomerate | Qaly | Younger alluvium along present stream course | QUATERNARY |
| QTs | Silt, sand and gravel outside of Aravaipa Valley | QTal | Older alluvium in the Aravaipa Valley area | Th | Hell Hole Conglomerate | |
| Tc | Well indurated conglomerate found south of the Santa Teresa Mountains | Ta | Andesite, includes tuff and agglomerate | Tgr | Galiluro Volcanics | TERTIARY |
| Ti | Dikes and plugs | Tga | Tga, dominantly andesite | Tgc | Goodwin Canyon Quartz Monzonite | |
| db | Diabase | Ts | Santa Teresa Granite | TKh | Horse Mountain Volcanics | CRETACEOUS OR TERTIARY |
| Ks | Sandstone, shale, and conglomerate | TKc | Copper Creek Granodiorite | TKw | Williamson Canyon Volcanics | |
| | | CzMzq | Glory Hole Volcanics | CzMzb | Buford Canyon Formation | MEZOCENEOZIC |
| | | Ka | Andesite, flows, tuff, and agglomerate | Kp | Pinkard Formation | CRETACEOUS |
| | | gr | Granite | Ph | Horquilla Limestone | |
| | | gn | Granite gneiss | Me | Escabrosa Limestone | PENNSYLVANIAN |
| | | | | Dm | Martin Formation | |
| | | | | Cb | Boisa Quartzite | DEVONIAN |
| | | | | pCl | Laurel Canyon Granodiorite | |
| | | | | pCp | Pinal Schist | PRECAMBRIAN |

- Contact, dashed where approximately located
- Fault, showing dip, dashed where approximately located; dotted where concealed; U, upthrown side; D, downthrown side
- Thrust fault, T, upper plate
- Anticline, showing trace of axial plane. Dashed where approximately located
- Syncline, showing trace of axial plane. Dashed where approximately located
- Strike and dip of bed
- ✱ Mine
- Gravity station
- ⊙ Bedrock gravity station
- Drill hole

GEOLOGY MODIFIED FROM THE GEOLOGIC MAP AND SECTIONS OF THE KLONDYKE QUADRANGLE, GRAHAM AND PINAL COUNTIES, ARIZONA, (U.S. GEOLOGICAL SURVEY, 1964), THE GEOLOGIC MAP OF GRAHAM AND GREENLEE COUNTIES, ARIZONA, (WILSON AND MOORE, 1958), AND THE GEOLOGIC MAP OF PINAL COUNTY, ARIZONA, (WILSON AND MOORE, 1959)

FIGURE 3.--GEOLOGIC MAP OF THE ARAVAIPA VALLEY AREA, SHOWING THE LOCATIONS OF GRAVITY STATIONS AND DRILL HOLES.

BASE FROM U.S. GEOLOGICAL SURVEY UNIVERSAL TRANSVERSE MERCATOR PROJECTION, ZONE 12



APPROXIMATE TRUE DECLINATION, 1964