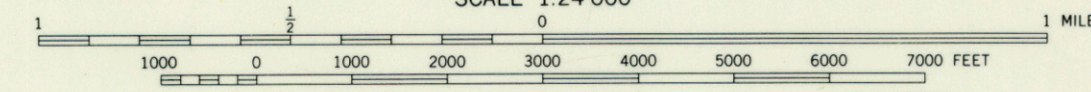


GEOLOGIC MAP OF THE SOUTH MOUNTAINS CENTRAL ARIZONA

By Stephen J. Reynolds

1985

SCALE 1:24 000



CONTOUR INTERVAL 50 FEET

DATUM IS MEAN SEA LEVEL

MAP UNITS

- Late Tertiary—Quaternary
 - QTs — Surficial deposits
- Middle Tertiary
 - Tcb — Chloritic breccia
 - Tm — Mylonitic gneiss and schist
 - Td — Dobbins Alaskite
 - Ttp — Telegraph Pass Granite
 - Tsm — South Mountains Granodiorite; stippled where chloritic and fractured on northeast end of Main Ridge
- Precambrian
 - pck — Komatke Granite
 - pCe — Estrella Gneiss

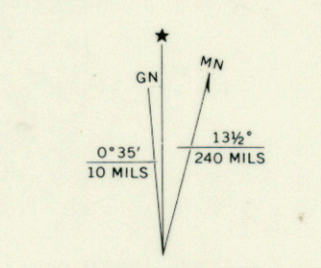
EXPLANATION

- Trace of contact
- - - Trace of gradational or approximately located contact
- Detachment fault
- Isolated ledge of microbreccia
- Quartz vein
- Microdiorite dike of middle Tertiary age
- Intermediate to felsic dike of middle Tertiary age

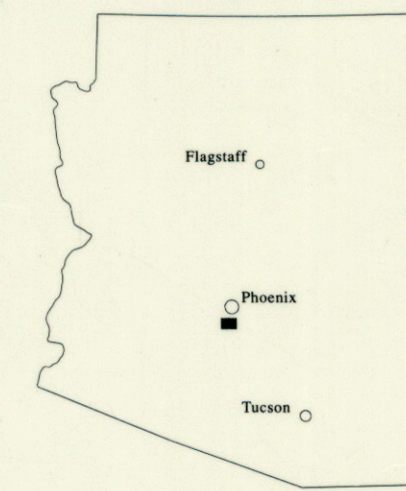
SYMBOLS

- d — Areas of disturbed outcrops in Phoenix Proving Grounds
- Strike and dip of crystalloblastic foliation
- Strike of vertical crystalloblastic foliation
- Strike and dip of weakly developed mylonitic foliation, showing trend of lineation
- Strike and dip of moderately developed mylonitic foliation, showing trend of lineation
- Strike and dip of strongly developed mylonitic foliation, showing trend of lineation
- Subhorizontal mylonitic foliation, showing trend of lineation
- Strike of steeply dipping joints

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MAP LOCATION



Base map modified from U.S.G.S. Lone Butte, Laveen, Guadalupe, Phoenix, Fowler, and Tempe 7 1/2' quadrangles.