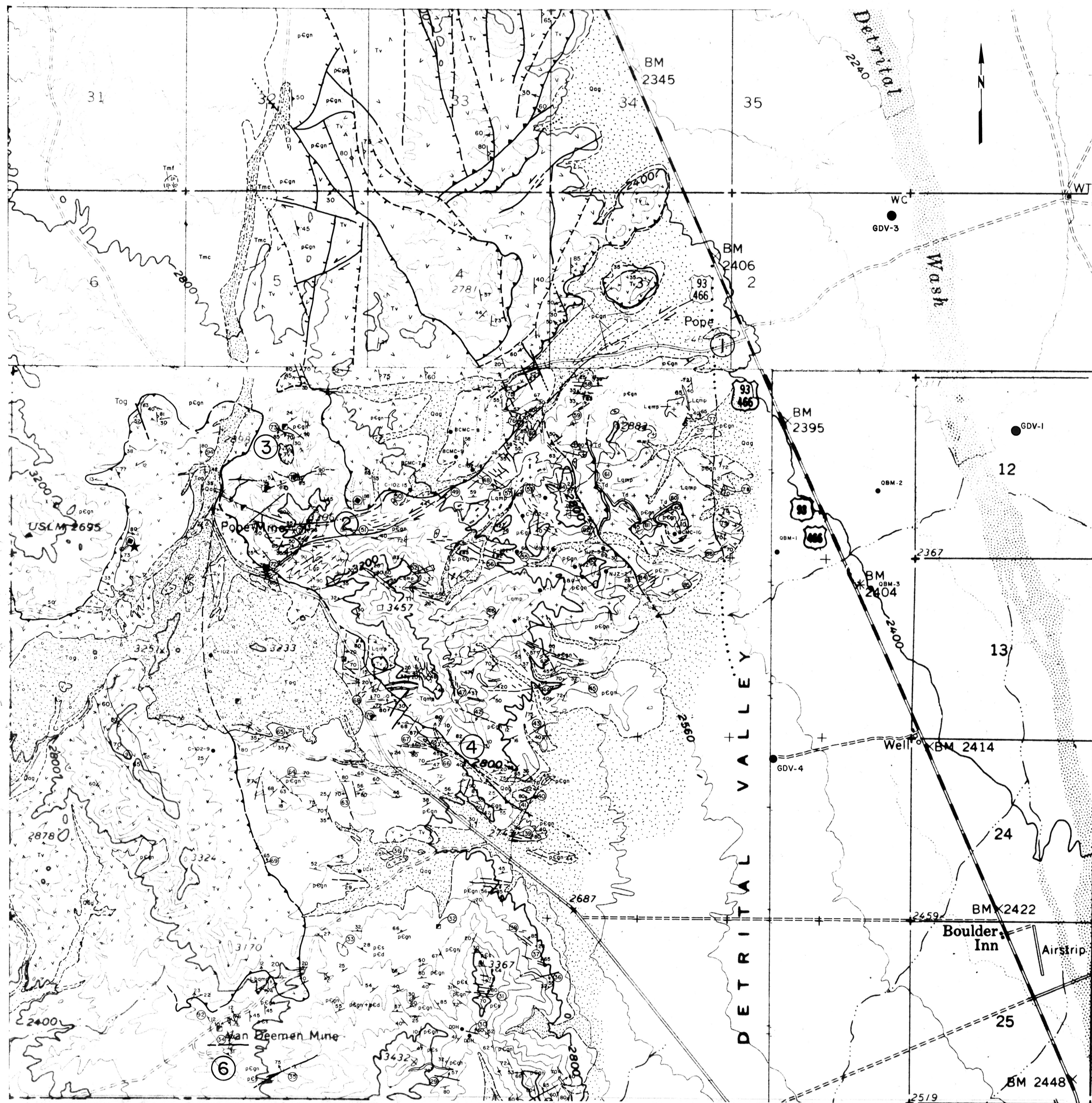




GEOLOGY OF A PORTION OF THE NORTHERN BLACK MOUNTAINS, MOHAVE COUNTY, ARIZONA

GEOLOGY BY: TOM L. HEIDRICK and JOE WILKINS JR. 1979

EXPLANATION

Lithology

- Qal Alluvium
- Tmc Muddy Creek formation
- Tmf Fortification Hill Basalt member of Tmc
- Td Lampophyre or microdiorite dikes
- Tog Older gravels (Mt. Davis Volcanics?)
- Tv Patsey Mine Volcanics
- Lamp Quartz Monzonite porphyry
- Lgp Granite porphyry phase
- P Porphyritic phase
- PCgn Gneiss
- PCd Diorite
- PCs Schist

★ K-Ar Age date

⊙ Whole Rock analysis

Structure

- Basin and Range Fault
- Low-angle normal fault; showing dip and trend of lineation on fault surface. Teeth on upper plate.
- Listric normal fault.
- Tear fault in upper plate showing dip and trend of lineation on fault surface.
- Fault-vein
- Contact
- Trend of contact between volcanic units
- Bedding attitude, showing dip.
- Foliation trend; in Tv-flattened amygdules.
- Foliation trend; in PC-Felsic unit.
- Foliation trend; in PC-Mafic unit.
- Lineation trend, showing plunge.

Miscellaneous

- Drill-hole location.
- ⊙ Geochem. sample site
- ⊙ Field Trip Stops

0 1000 2000 Feet