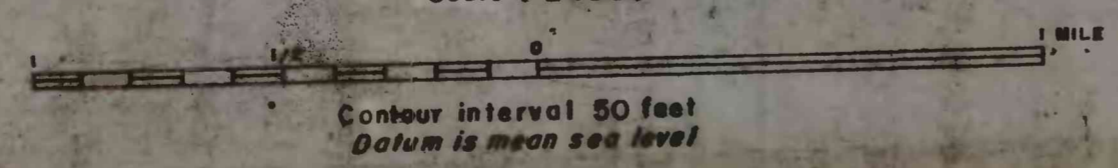




PRELIMINARY GEOLOGIC MAP OF THE NE 1/4 MOUNT UNION QUADANGLE, YAVAPAI COUNTY, ARIZONA

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Scale 1:24000



APPROXIMATE MEAN DECLINATION, 1950

EXPLANATION

Pleistocene Recent

- Qc Terrace deposits
- Qg Gravelly gravels
- Qf Gravel and sand
- Thw Hickey Formation
- Thv, basalt flows
- Ths, conglomerate and sandstone
- di Diorite
- dyg Diabase dikes
- gdp Granodiorite porphyry dikes
- fg Fine-grained granite
- pg Fine to medium-grained granodiorite
- gg Medium to coarse-grained granodiorite
- qd Quartz diorite
- Al Alaskite
- q- facies with fine-grained interstitial biotite
- ap Aplite
- db Diabase
- gn Gabbro
- gp Granite porphyry
- lha Iron King Volcanics
- lka, tuffaceous andesitic sedimentary rocks
- lka, andesite and basalt flows
- lka, interbedded ferruginous chert and slate

Yavapai Series

Alder Group

Spud Mountain Volcanics

Upper unit

- ua, fine-grained bedded andesitic tuffaceous sedimentary rock
- ua, interbedded rhyolitic tuff
- ua, interbedded andesite and basalt flows
- ua, undifferentiated

Lower unit

- ua, andesitic breccia and interbedded tuffaceous sedimentary rock
- ua, interbedded andesite flows
- ua, interbedded rhyolitic tuff
- ua, massive volcanic sandstone

Green Gulch Volcanics

- gb, basaltic flows
- gb, rhyolitic tuff and flows(?)

Green Gulch Formation

- gcf, gray slate, bedded rhyolitic sandstone, rhyolitic tuff, and interbedded conglomerate

PRODUCTS OF ALBERTAN AND METALBERTAN

- Alay Quartz lenses, pegs, and veins
- Ala Silicified and carbonized rocks

Contact
Dashed where approximately located

Fault
Dashed where approximately located

Minor folds and plunge of axis

Strike and dip of beds

Strike of vertical beds

Strike and dip of foliation

Strike of vertical foliation

Strike and dip of foliation and plunge of lineation

Approximate strike and top of pillow structure

Approximate strike of pillow structure

AGE UNKNOWN

TERTIARY

QUATERNARY

OLDER PRECAMBRIAN