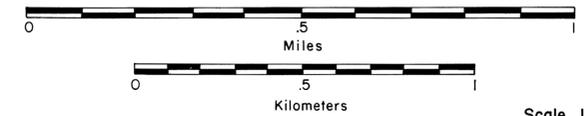


Geologic Map of the Marsh Creek Area; Diamond Butte and Young Quadrangles, Gila County, Az.

Geology by Mark Labrenz, 1987-1988

PLATE 2

-western portions also mapped by G. Gastil (1953)



EXPLANATION

Lithologies:

- Qal Quaternary Alluvium
- Qt Quaternary Talus
- Tc Tertiary Gravel

- D Diabase
- A Apache Group undivided
- DSu Dripping Springs Quartzite undivided
- P Pioneer Shale
- S Scanlan Conglomerate

- Gr Young Granite
- BOARD CABIN FORMATION**
- BCbv basic volcanics
- BCc conglomerate
- BCw wacke, quartzite, arkose, and slate
- HOUDON FORMATION**
- Hu quartzite undivided
- FLYING W FORMATION**
- Wu Flying W Formation undivided
- Wp rhyolite containing pumice lapilli
- W rhyolite without pumice lapilli

- BREADPAN FORMATION**
- Bsu slates undivided
- Bps purple slates and wacke
- Bgs grey slates and wacke
- Bq quartzite
- Bc conglomerate (debris flow)
- Bgrs green slates and wacke

VOLCANIC AND/OR INTRUSIVE UNITS

- Vb metabasalt
- Vt volcanogenic slate
- Vtc volcanogenic chloritic slate
- Im mafic intrusive
- Gh phenocrstic hypabyssal granite

Symbols:

- lithologic contact (known, approximate, inferred)
- - - contact from air photo
- ↗₇₀ S1 foliation (slaty cleavage)
- ↘₆₂ L1 lineation (stretching lineation)
- ↗₅₂ F1 fold hingeline
- ↗₄₀ S2 foliation (crenulation cleavage)
- ↗₃₅ F2 fold hingeline
- ↗_{U/D} sense of shear, U=up D=down
- ↗₆₀ upright bedding
- enclave area
- ⊥ vertical bedding
- ⊥₅₇ overturned bedding
- ⊥_(up) younging based on cross-bedding
- ⊥ younging based on graded bedding
- ⊥ overturned syncline
- ⊥ overturned anticline
- ⊥ overturned anticlinorium