Louisiana Butte Quadrangle

Inyo County, California

Geologic Map of the Louisiana Butte 7.5' Quadrangle

Compilation by Richard S. Whitmarsh
1997

Scale 1:24,000

Cover Units

- Quaternary
- Tertiary
- Jurassic
- Mesozoic
- Paleozoic

Base Units

- Metamorphic Rocks of Uncertain Age (see Chapter One for details)
- Mixed Complex, intermediate component {Quartz Monzodiorite} to {Diorite} [151±1 Ma]
- Divide Peak Hypabyssal Complex, felsic [150±1 Ma]
- Basalt of Renegade Canyon [150±1 Ma]
- Basalt of Etcharren Valley [150±1 Ma]

Map Symbols

- Approximate contact or boundary; short dash (inferred)
- Intrusive or depositional contact; solid (known), dashed (approximate)
- Boundary of probable landslide; tick marks localized along base of slide block and face toward structural top
- Boundary of Quaternary rhyolite within coeval pyroclastic deposits; short dash
- Locality of sample used for radiometric age determination
- Strike and dip of fracture cleavage; inclined, vertical
- Strike and dip of fault plane; inclined, w/ down-dip lineation
- Strike and dip of flow foliation; inclined, vertical
- Strike and dip of bedding plane; inclined
- Fold axis; syncline, anticline, doubly-plunging syncline

Explanatory Notes

Jecm

36° 00' 00''

Reference map with 7.5 minute quadrangle boundaries. Red line delineates coverage compiled by Whitmarsh during 1994-1997

GIS Laboratory. Shaded areas (A and B) encompass portions of earlier

Qya


References Cited:


