



- QUATERNARY**
- Qal**
- Quaternary alluvium: Includes stream deposits, slope wash, pediment gravels.
- TERTIARY**
- Tv**
- Tertiary volcanics: Mostly andesitic flows, tuffs, and ignimbrites; undifferentiated.
- PALEOZOIC**
- Ls**
- Limestone: Massive to thin bedded limestone, also interbedded dolomites, limestone beds are deep blue-gray, to buff with closely spaced calcite stringers, chert lenses, and nodules. Age of limestones range from upper Cambrian to Ordovician rocks of the Pogonip group.
- Mb**
- Marble: Limestones and dolomites altered to white marble by contact metamorphism.
- Sh**
- Shale: Thought to be correlative with the Cambrian Dunderberg shale.
- FeLs**
- Iron-stained Limestone: Linear zones of iron-stained and altered limestone often associated with aplite dikes.
- INTRUSIVE IGNEOUS ROCKS**  
[ Mesozoic, Laramide (?) ]
- Qm**
- Quartz Monzonite: Light gray to greenish, coarse grained to porphyritic igneous rock consisting mostly of orthoclase, oligoclase-andesine quartz, and mafics.
- Qmd**
- Quartz Monzonite Dikes: Dikes have approximately the same composition as the stock.
- Apd**
- Aplite Dikes: Fine grained reddish-orange to buff colored dike rocks composed mostly of quartz and orthoclase.
- Strike and dip of vein or contact
- Strike and dip of bedding
- Fault, dashed where inferred
- Contact, dashed where inferred
- Axis of fold
- Shaft or adit
- Quarry

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Diene 032-033-0070  
 Morning Star 032-033-0115  
 Doty 032-033-0082  
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