



KEY MAP OF REGION

- SEDIMENTARY ROCKS**
- Qal Alluvium
 - Qg Glacial deposits
 - Tl, Tu Basin fill deposits
Tl fresh under limestone
 - Kcm Colorado and Montana groups
 - Kk Kootenai formation
 - Uk, Um Ellis and Morrison formations
 - Td Dinwoody (?) formation
 - Pp Phosphoria formation
 - Cp Anaden and Grandmont formations
 - Cm Madison group
 - Dn Jefferson dolomite and Three Forks shales
 - Ob Bighorn dolomite
 - Eu Flathead sandstone, Wilsey shales, Meagher limestone, Park shales, Pilgrim limestone, and Dry Creek formation
 - P-Cu Pinyon gneiss and Cherry Creek series

- EXPLANATION**
- IGNEOUS ROCKS**
- Tv Rhyolite, granite, and Gullhorn volcanics
 - KTd Andesite porphyry dikes and sills
 - KTpm Porphyritic quartz monzonite
 - KTs Igneous-sedimentary complex: area of andesite-dolomite porphyry sills interlayered with Upper Cretaceous sediments. Igneous rocks are dominant over sedimentary.

- SYMBOLS**
- Geologic contact (Dashed where approximately located)
 - Approximate boundary of area of interbedded Cretaceous sediments and andesite porphyry sills in which sills are predominant. Boundary covered by glacial deposits in part.
 - Fault (Dashed where approximately located, dotted where concealed)
 - High angle fault (U, upthrown side; D, downthrown side)
 - Fault, showing relative movement
 - Thrust fault (T, upper plate)
 - Axis of anticline (Showing trace of axial plane and bearing and plunge of axis. Dashed where approximately located, dotted where concealed)
 - Axis of syncline (Showing trace of axial plane and bearing and plunge of axis. Dashed where approximately located, dotted where concealed)
 - Overturned anticline (Trace, plunge, dashed and dotted lines as above)
 - Overturned syncline (Trace, plunge, dashed and dotted lines as above)
 - Plunge of minor anticline
 - Plunge of minor syncline
 - Horizontal bedding
 - Strike and dip of beds
 - Strike and dip of overturned beds
 - Strike of vertical beds
 - Trench

GEOLOGIC MAP OF A PART OF VIRGINIA CITY AND ELDRIDGE QUADRANGLES, MONTANA