

- QUATERNARY**
- Qal alluvium
 - Qu undifferentiated surficial deposits
 - Ql landslide deposits
 - Qg glacial deposits
- TERTIARY**
- Trp quartz latite porphyry
 - Trpq rhyodacite porphyry
 - Ta porphyritic andesite
 - Tl latite and porphyritic latite
 - Tw Wapiti Formation
 - Tlc Lamar River Formation
- MISSISSIPPIAN**
- Mm Madison Limestone
- DEVONIAN**
- Dt Three Forks Formation
 - Dj Jefferson Formation
- ORDOVICIAN**
- Ob Bighorn Dolomite
- CAMBRIAN**
- Cs Snowy Range Formation
 - Cpi Pilgrim Limestone
 - Cp Park Shale
 - Cm Meagher Limestone
 - Cw Wolsey Shale
 - Cf Flathead Sandstone
- PRECAMBRIAN**
- Wri metadolorite
 - Wg granitic rocks

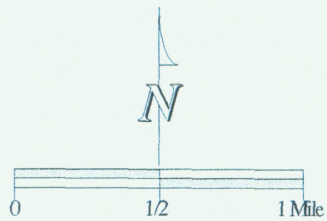


Plate 1. The primary drainage of upper Soda Butte Creek is dominated by crystalline rocks (east) and sedimentary rocks. Cross-sections A-A' and B-B' are presented in figures 5 and 6, respectively. Adapted from Elliot 1979.