



- EXPLANATION**
- Alluvium
Unconsolidated sand, gravel, silt, and clay
 - Colluvium
Heterogeneous mixtures of materials derived by slumping and sheet erosion. Mapped only where it obscures underlying geology.
 - Paludal deposits
Dark gray plastic clay and silt deposited in ponds and lakes.
 - Outwash deposits
Interbedded sand and gravel with minor amounts of clay and silt.
 - Outwash terrace deposits
Outwash material underlying terrace surfaces above the present valley bottom.
 - Ice-contact deposits
Water-sorted, semistratified sand and gravel. Qic, Eskers, Qe, Qm, forms sinuous ridges; kames, Qk, form rounded hills.
 - Recessional-moraine deposits
Unstratified mixture of tan to light-gray clay, silt, and sand containing many pebbles, cobbles, and boulders. Forms semi-parallel, arcuate ridges.
 - Ground-moraine deposits
Mixture of tan to light-gray clay, silt, and sand with included pebbles, cobbles and boulders.
 - Flaxville formation
Generally unconsolidated quartzite and argillite pebbles and cobbles in a matrix of sand.
 - Hell Creek formation
Interbedded tan to gray sandstone, shale, and clay, with a few thin beds of coal.
 - Fox Hills sandstone
Friable, fine-grained, gray, marine sandstone.
 - Bearpaw shale
Dark blue-gray to brown shale with numerous concretions and bentonite beds.
 - Judith River formation
Light-colored continental and brackish-water deposits of lenticular sandstone, shale, and clay, with some lignite.
- CONTACTS AND FEATURES**
- Contact
Dashed where approximately located.
 - Fault
Dashed where concealed or inferred; U, upthrown side; D, downthrown side.
 - Domestic or stock well
 - Irrigation well
 - Spring
 - CA
Water sample collected for chemical analysis
 - Gravel pit
 - Abandoned coal mine
 - Meltwater channel
 - Lake or pond

STATE OF MONTANA
BUREAU OF MINES AND GEOLOGY
**GEOLOGIC MAP OF NORTHWESTERN BLAINE COUNTY, MONT.,
SHOWING LOCATION OF WELLS AND SAMPLING POINTS**
Prepared in cooperation with the U.S. Geological Survey
0 1 2 3 4 5 miles
1960
Geology by Everett A. Zimmerman
Base compiled from aerial photographs