



EXPLANATION

- Qg
Quaternary glacial deposits
- Tb
Tertiary basin deposits
- TKa
TKi
Tertiary and Cretaceous igneous and sedimentary rocks
TKi; intricately interlayered andesite-dacite intrusive rocks and Cretaceous sedimentary rocks. Intrusive rocks mostly sills but include many dikes. Igneous rocks dominant over sedimentary rocks
TKa; andesite-dacite porphyry dikes
- Kc
Cretaceous Colorado Group
- Kk
Cretaceous Kootenai Formation
- Mzu
Mesozoic rocks, undifferentiated
- Pp
Permian Phosphoria Formation
- Pzu
Paleozoic rocks, undifferentiated
- pC
Precambrian gneiss and schist
- Contact
Dotted where concealed
- Fault, showing direction of movement
- Thrust fault
Sawteeth on upper plate
- 20 35
Inclined Overturned
Strike and dip of beds
- Approximate limit of study area

GEOLOGIC MAP OF JACK CREEK BASIN,
MADISON COUNTY, MONTANA

SCALE 1:62 500



CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL



Base from U.S. Geological Survey; Ennis, 1949 and Spanish Peaks, 1950

Geology modified by G. E. Becraft and T. H. Kiilsgaard, 1968, from a map by R. W. Swanson, 1950