



EXPLANATION

- Qu
- Surficial deposits, undivided
- Tcr
- Columbia River Basalt

ROCKS ABOVE OR YOUNGER THAN THE
RAPID RIVER THRUST

- Kqm
- Quartz monzonite gneiss
Includes subordinate intercalations of other rock types
- Kt Ktm Ktg
- Trondhjemite
Kt, trondhjemite.
Ktm, injection migmatite of trondhjemite in older rocks.
Ktg, trondhjemite gneiss
- Kqd
- Quartz diorite gneiss
Includes subordinate intercalations of other rock types

ROCKS BENEATH THE RAPID RIVER THRUST

- Jqd
- Altered quartz diorite
- Fl
- Lucile Slate
- Rm
- Martin Bridge Limestone
- RPv
- Seven Devils Volcanics

ROCKS ABOVE RAPID RIVER THRUST:
NOT LISTED IN ORDER OF AGE

- am
- Amphibolite
- gn
- Metasedimentary and metavolcanic gneiss
- um
- Ultramafic rocks
- rs
- Squaw Creek Schist
- rb
- Berg Creek Amphibolite
- rl
- Lightning Creek Schist
- rf
- Fiddle Creek Schist

Equivalent in part to Riggins Group

Riggins Group

PALEOZOIC OR MESOZOIC

TERTIARY QUATERNARY

CRETACEOUS (?)

TRIASSIC (?) JURASSIC (?)

PERMIAN TRIASSIC

PALEOZOIC OR MESOZOIC

- Thrust fault of Cretaceous(?) age
Dashed where approximately located; dotted where concealed; queried where doubtful. Sawteeth on upper plate
- Anticline
- Syncline
- Showing trace of axial plane and plunge of axis. Only late, open folds shown; axes of overturned and isoclinal folds omitted*
- Strike and dip of inclined beds
- Strike of vertical beds
- Horizontal beds
- Strike and dip of inclined foliation
- Strike of vertical foliation
- Contact
Dashed where approximately located; dotted where concealed; queried where doubtful
- Gradational contact
Arbitrary boundary between "metamorphic rocks" and "plutonic rocks"
- Normal fault of late Cenozoic age
Dashed where approximately located; dotted where concealed; queried where doubtful. U, upthrown side; D, downthrown side
- Zone of flaser gneiss and phyllonite retrograded from plutonic rocks

Base from U.S. Geological Survey topographic quadrangle: Riggins, 30', 1938

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—62151
Geology by Warren Hamilton, 1952-61

RECONNAISSANCE GEOLOGIC MAP OF NORTHWESTERN
PART OF RIGGINS QUADRANGLE, IDAHO

SCALE 1:96 000



CONTOUR INTERVAL 100 FEET
DATUM IS MEAN SEA LEVEL



APPROXIMATE MEAN DECLINATION, 1961