



EXPLANATION OF STRUCTURE SYMBOLS

Contact
 Dashed where approximately located

Indefinite contact
 Dashed where approximately located, to upstream side, to downstream side

Inferred fault
 Concealed fault

Shear zone
 Red where mineralized

Anticline, showing trace of axial plane and direction of plunge of axis
 Dashed where approximately located, amount of plunge shown where known

Syncline, showing trace of axial plane
 Dashed where approximately located

Plunge of minor anticline

Plunge of minor folds

Strike and dip of foliation

Strike of vertical foliation

Horizontal foliation

Strike and dip of foliation and plunge of axis

Bearing and plunge of lineation

Horizontal lineation

Generalized strike of foliation showing plunge of fold axis

Plunge of slickensides

Vein, showing dip
 Dashed where approximately located, dotted where concealed

Vertical vein

Vertical shaft

Portal of adit

Open cut

Prospect pit

EXPLANATION

Alluvium, talus, and soil

Syenite

Dark-colored melanocratic porphyry, and basalt syenite

Andesite, andesite porphyry, and basalt

Lamprophyre

Gabbro

DIKE ROCKS
 Age relations not known exactly. Dashed where approximately located, dotted where concealed

Altered rock
 Nature of original rock obscure

Albite syenite

Breccia
 Of probable orogenic origin

Pegmatite

Metamorphosed gabbroic and ultramafic rocks

Light-colored leucogranodiorite gneiss

Alaskitic granite gneiss

Quartz monzonite gneiss

Quartz monzonite gneiss

Quartz monzonite gneiss, migmatite, and undivided metametamorphic gneisses

Quartz monzonite gneiss, migmatite, undivided metametamorphic gneisses, and granite gneiss

Migmatite

Migmatite, granite gneiss, and undivided metametamorphic gneisses

Migmatite and undivided metametamorphic gneisses

Garnetiferous gneisses
 Unlabeled areas and scattered data

Sillimanitic gneisses

Quartzites, mostly garnetiferous

Pyroxene-scapolite gneiss

Biotite-quartz-plagioclase gneiss

Hornblende-plagioclase gneiss
 Including hornblende-pyroxene-plagioclase gneiss

Labelled areas of data in symbols above represent "marker beds"

Units composed of layers of different rock type
 Lack of hyphen in unit symbol indicates that each component may vary in amount from 20 to 80 percent

Undivided metametamorphic gneisses and metamorphosed gabbroic and ultramafic rocks

Light-colored leucogranodiorite gneiss and undivided metametamorphic gneisses

Granite gneiss and biotite-quartz-plagioclase gneiss
 Between 50 and 80 percent granite gneiss

Granite gneiss and hornblende-plagioclase gneiss
 Between 50 and 80 percent granite gneiss

Granite gneiss and undivided metametamorphic gneiss
 Between 50 and 80 percent granite gneiss

Quartz monzonite gneiss and granite gneiss

Quartz monzonite gneiss and undivided metametamorphic gneisses

Quartz monzonite gneiss, migmatite, and undivided metametamorphic gneisses

Quartz monzonite gneiss, migmatite, undivided metametamorphic gneisses, and granite gneiss

Migmatite and granite gneiss

Migmatite, granite gneiss, and undivided metametamorphic gneisses

Migmatite and undivided metametamorphic gneisses

Approximately same age

GEOLOGIC MAP AND SECTIONS OF THE MCKINLEY MOUNTAIN AREA, WET MOUNTAINS, COLORADO

Scale: 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 Feet
 Contour interval 100 feet
 Datum is mean sea level