



ROCK UNITS

IGNEOUS		SEDIMENTARY	METAMORPHIC
PLUTONIC	HYPABYSSAL		
Hornblende quartz diorite (Canwell phase)*	Basalt-gabbro (diabase primarily)	Tertiary sandstone-conglomerate	
Hornblende granodiorite*	Porphyritic dacite	*Sequence and age not necessarily as shown	
Dunite*	Porphyritic rhyolite	*Distribution of rock types diagrammatic	
	Porphyritic andesite		
		PENNSYLVANIAN limestones, graywackes, pyroclastics, flows	Rainbow Mountain sequence* (north of fault "J")
		MISSISSIPPIAN? limestones, graywackes, pyroclastics, lava flows	McCallum Creek sequence* (south of fault "J")
		Serpentine complex	Pre-Mississippian metamorphic sequence*
		Birch Creek schist*	
		Quartz diorite gneiss*	

BEDROCK GEOLOGY
of the
RAINBOW MOUNTAIN AREA
ALASKA RANGE, ALASKA

By
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MAP SYMBOLS

Strike and dip of bedding	anticline
Strike and dip of foliation	axes
Strike and plunge of fold axes	syncline (inferred or approximate)
Contact (inferred or approx. buried)	high angle faults
	faults
	thrust

Location key

		3
W	W	W
C	C	C
B	B	B

Responsibility

FORBES
HANSON

Topographic base from U.S. Geological Survey topographic maps (Mt. Hayes A-4, B-4)

Scale: 1/2, 0, 1 mile
4000, 0, 4000 feet
Contour interval 100 feet