



STRATIGRAPHIC COLUMN

Cenozoic	Miocene	Tcr	Columbia River (Imnaha) Basalt: Massive, columnar jointed basalt
	Triassic or Jurassic	qm, qd	Quartz Monzonite and Quartz Diorite qm - Uniform, massive, equigranular, fine-grained, hypidiomorphic-granular quartz diorite, in units II, II A, and III qd - Variable, multiphase, fine to medium grained, hypidiomorphic-granular quartz monzonite, in unit III only
Mesozoic	Triassic	Rmb	Martin Bridge Formation: Bedded, gray limestone with thin interbeds of laminated argillite
	Triassic	R1	Lucile Slate: Thinly laminated, dark-gray to black argillite with thin interbeds of limestone and conglomerate; occasionally contains calcite, gypsum, and angular blocks of andesite up to 20 cm in diameter
Paleozoic and Mesozoic (?)	Permian and Triassic(?) Seven Devils Group	III A-F	Unit III: Predominately andesite lavas and volcanoclastics with minor dacite and rhyolite lavas and volcanoclastics and andesite dikes; horizons III A-F each consist of greater than 20% dacite and rhyolite lavas and volcanoclastics - relative ages of these rhyolite-dacite horizons is not known
		II & II A	Units II and II A: Andesite, dacite, and rhyolite lavas, sills, and volcanoclastics together with minor dikes and interbedded argillite and volcanic sediments; II A contains >10% rhyolite and dacite lavas, sills, and volcanoclastics and hosts the Blue Jacket massive sulfide; II contains 45% rhyolite and dacite lavas, sills, volcanoclastics, and occasional sediments, including rare chert; II is laterally equivalent to II A; II grades laterally into III stratigraphically above the base of III
		I-1 & I-2	Unit I: Predominately andesite flows and sills; I-1 underlies I-2 and contains basaltic andesite flows and sills and is cut by plagiogranite dikes; I-1 contains minor interbedded volcanic sediments and argillite at the base and rare volcanoclastics
Penn. and Permian(?)		basement complex	basement complex: Sheeted dike complex consists of parallel andesite and plagiogranite dikes

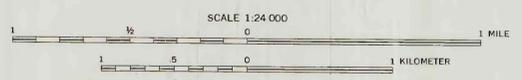
Symbols

Rock Units:
III A, Basement Complex

Structure:
plunging syncline
minor structures - plunging anticline
trends based on attitudes of bedding
strike and dip of bedding / 20 / 35
strike and dip of foliation / 20 / 35
strike and dip of dikes // 20 / 35
horizontal lineation with strike / 40
fault
known concealed inferred
landslide bounding fault

Miscellaneous:
road
jeep trail
trail
Blue Jacket Massive sulfide deposit BJ

Base from U.S. Geological Survey, 1:24,000, Kirkwood Creek, ID OR, and Lucile, ID 1963



Geology mapped by P. James LeAnderson and Scott Richey in 1983-1985

GEOLOGIC MAP OF THE SEVEN DEVILS GROUP AND RELATED ROCKS BETWEEN THE SNAKE AND SALMON RIVERS NEAR LUCILE, IDAHO

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.