

SYSTEM	SERIES	GROUP, FORMATION, AND MEMBER	LITHOLOGY	THICKNESS, IN FEET	DESCRIPTION	
TERTIARY	Pliocene	Salt Lake formation		1000+	Cobble conglomerate, light-gray, very thick bedded.	
				2000+	Tuff, marl, sandstone, limestone, and pebble conglomerate; light-gray to white.	
	Eocene	Wasatch formation		Not known	Cobble conglomerate, red, poorly sorted, poorly exposed.	
CRETACEOUS	Lower Cretaceous	Gannett(?) group		1000	Pebble, cobble, and boulder conglomerate, light-pink, very thick bedded, interbedded with red sandstone and siltstone.	
		Gannett group		5000	Sandstone and siltstone, red, interbedded with light-red pebble conglomerate. Light-gray calcareous conglomerate and sandstone zone about 2000 ft above base.	
JURASSIC	Upper Jurassic	Stump sandstone		300-500	Sandstone, calcareous, glauconitic, greenish- and olive-gray, thin-bedded and crossbedded.	
		Preuss sandstone		1700±	Sandstone, pale-red and grayish-red, medium-bedded; contains some interbedded granule conglomerate and siltstone.	
		Twin Creek limestone	Member G		75	Sandstone, calcareous, glauconitic, olive-gray and greenish-gray, thin-bedded.
	Member F			1600±	Limestone, shaly, light-gray, lithographic; contains several thin beds of bioclastic and oolitic limestone near top.	
	Member E			120-900	Limestone, lithographic, light-olive-gray, hard, thin- and thick-bedded.	
	Member D			40-600	Siltstone, red, soft, poorly exposed, underlain by brownish-gray oolitic limestone, glauconitic sandy limestone, and dense gray limestone.	
	Middle Jurassic	Member C		250-600	Limestone, shaly, light-gray and light-olive-gray.	
		Member B		200-600	Limestone, sandy, glauconitic, oolitic, interbedded with minor dense limestone and coquinoid limestone. Hard, siliceous, apple-green tuff bed 4-8 ft thick in upper third of member.	
		Member A		130-250	Shale, red, and yellowish-gray brecciated limestone.	
	TRIASSIC	Lower Triassic	Nugget sandstone		900-1700	Sandstone, orange-pink and reddish-orange, very thick bedded, fine-grained.
Ankareh formation			Wood shale tongue		200-400	Shale, moderate-red, and dense pale-red dolomite.
Ankareh formation			Timothy sandstone member		250-400	Sandstone, fine- to coarse-grained, olive-gray, friable, massively bedded; contains many dark chert grains.
			Portneuf limestone member		0-180	Limestone, gray, fossiliferous, and sandstone; limestone contains chert nodules.
Thaynes formation			Lanes tongue		450±	Shale, dark-red and maroon, and very fine grained calcareous siltstone.
			Portneuf limestone member, lower part		650±	Limestone, gray, mostly fossiliferous, interbedded with sandstone; limestone contains chert nodules in upper half.
			Irregularly bedded siltstone member		600	Siltstone, calcareous, brownish-gray, thin and irregularly bedded; contains nodules of dense gray limestone; uppermost 50-100 ft very fine grained calcareous sandstone.
			Platy siltstone member		600	Siltstone, calcareous and silty limestone; brownish-gray, thin and evenly bedded; weathers into large flat plates. Upper and lower parts thicker bedded than central part.
Dinwoody formation			Black shale member		700-800	Shale, dark-gray and black. Contains two limestone units; the lower is black and lithographic, the upper is brownish gray and silty in west and medium gray and fossiliferous in east.
			Upper member		900	Limestone, gray, fossiliferous, and grayish-brown calcareous siltstone; red siltstone tongue of the Wood-side shale in basal 100 ft; many ammonites in uppermost 15-20 ft.
PERMIAN		Phosphoria formation	Lower member		500-900	Shale at base grading upward through thin-bedded olive-brown calcareous siltstone to black-weathering thick-bedded silty limestone at top. Thin interbedded limestone throughout and several thick gray limestone beds near top.
			Cherty shale member		100	Mudstone, siliceous, dark-gray, thin-bedded, hard.
			Rex chert member		180	Chert, thick-bedded, black to light-gray, hard.
		Grandeur tongue of Park City formation	Meade Peak phosphatic shale member		150-200	Mudstone, black, phosphatic; phosphate rock, and limestone.
			Upper member		75	Dolomite, light-gray, dense; contains many chert lenses and nodules.
PENNSYLVANIAN	Middle Pennsylvanian	Wells formation	Lower member		900-1000	Sandstone, light-gray to pale-yellowish-orange, fine-grained, interbedded with limestone and dolomite; red sandstone and limestone in uppermost 100 ft.
			Upper member		500-900	Limestone, mostly sandy, gray, partly fossiliferous and oolitic, and gray fine-grained calcareous sandstone; contains many chert nodules and lenses.
CARBONIFEROUS	MISSISSIPPIAN	Brazier limestone		1600-2000	Uppermost 400 ft, massively bedded gray limestone; crinoidal in part; 250 ft dark-gray thin-bedded lithographic limestone; 650 ft interbedded crinoidal limestone, dark-gray lithographic limestone, and tan medium-grained calcareous sandstone; basal 350 ft massively bedded crinoidal limestone containing chert nodules; 50 ft of black and white laminated siliceous shale 200 ft below top of formation.	
			Madison limestone		1000±	Limestone, dark-gray to black, finely crystalline, thin-bedded; contains several discontinuous massive beds of crinoidal limestone, a phosphorite bed 1 or 2 in. thick, and chert nodules that are particularly abundant in uppermost 150 ft.

GENERALIZED COLUMNAR SECTION OF PRE-QUATERNARY SEDIMENTARY ROCKS IN THE
GEORGETOWN CANYON-SNOWDRIFT MOUNTAIN AREA, SOUTHEASTERN IDAHO