

SHENANDOAH TIME LINE

Geologic Time Period	Time before present (Millions of years before present)	Events in Shenandoah National Park
Quaternary	0	Erosion
	2	
Tertiary		
	65	Dinosaurs may have roamed in Virginia. Fossilized footprints have been found in Culpeper, east of the park.
Cretaceous		
	140	
Jurassic		
	205	Opening of the Atlantic Ocean
Triassic		
	240	
Permian		
	290	Final stage in formation of Appalachian Mountains Extensive faulting
Pennsylvanian		
	330	
Mississippian		
	360	Second stage in formation of Appalachian Mountains, the continental collision with Africa
Devonian		
	410	
Silurian		
	435	Initial stage in formation of Appalachian Mountains Extensive metamorphism
Ordovician		
	500	Deposition of carbonate rocks, found west of the park in Shenandoah Valley Deposition of siliciclastic rocks overlying volcanics
Cambrian		
	544	Eruption of Catoctin volcanics
Precambrian	570	
	1000	Erosion of Grenville Mountains Formation of Grenville Mountains, probably similar in size to present-day Himalayas
	1200	Intrusion of granites and granodiorites, and deposition of sediments that later became the Pedlar and Old Rag formations