

**Table 1. Geologic Column and Summary of
Principal Geologic Events in DVNP
(Adapted from Harris, et. al., 1997)**

Time Units			Rock Units		Principal Geologic Events
Era	Period	Epoch	Group	Formation	
Cenozoic	Quaternary	Holocene	Alluvial fans, stream and playa deposits, dunes		Continued deposition in modern Death Valley
	Tertiary	Miocene	Numerous sedimentary, volcanic and plutonic units		Opening of modern Death Valley
					Continued development of the present ranges & basin
		Oligocene			Onset of major extension
				Several formations	Deposition on relatively subdued terrain
				Titus Canyon	
			Major Unconformity		
Mesozoic	Cretaceous/Jurassic		Granitic plutons		Thrust faulting and intrusion of plutons related to Sierra Nevada batholith
	Triassic			Butte Valley	Shallow marine deposition
			Unconformity		
Paleozoic	Pennsylvanian			Resting Spring Shale	Development of a long-continuing carbonate bank on a passive continental margin; numerous intervals of emergence, interrupted by deposition of a blanket of sandstone in Middle Ordovician time.
				Tin Mountain Limestone	
	Mississippian			Lost Burro	
	Devonian/Silurian			Hidden Valley Dolomite	
		Ordovician			
			Pogonip		
Cambrian				Nopah	Deposition of a wedge of siliciclastic sediments during and immediately following the rifting along a new continental margin.
				Bonanza King	
				Carrara	
				Zobriskie Quartzite	
				Wood Canyon	
Proterozoic				Stirling Quartzite	Shallow to deep marine deposition along an incipient continental margin.
				Johnnie	
					Ibex
					Noonday Dolomite
				Unconformity	
			Pahrump	Kingston Peak	Glacio-marine deposition
				Beck Spring	Shallow marine deposition
				Crystal Spring	Rapid uplift and erosion
			Unconformity		
			Crystalline basement		Regional metamorphism