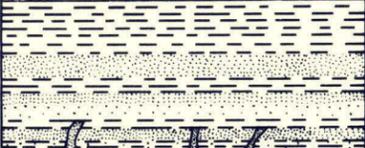
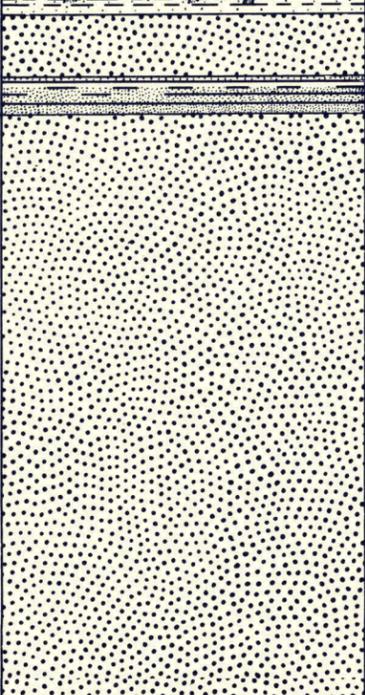
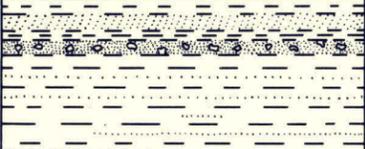
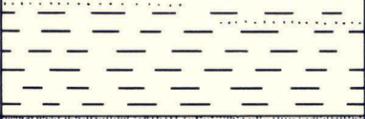
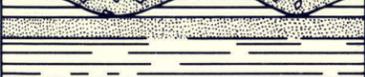
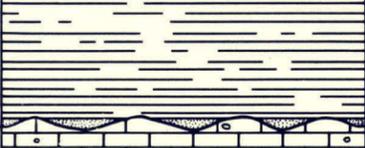
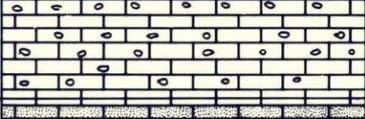
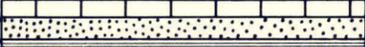


Age	Formation	Section	Thickness (feet)	Description	Land forms	
Quaternary				Terrace gravel, landslide, alluvial fan, and talus debris; windblown sand and stream gravel.	Benches, lobate tongues, cones, dunes, and valley bottoms.	
Upper Cretaceous	Dakota sandstone		100±	Conglomerate and coarse-grained sandstone overlain by ripple-bedded sandstone and laminated siltstone.	Ledges and short slopes.	
Upper Jurassic	Entrada sandstone		650	Massive pale-gray medium- to fine-grained cross-bedded sandstone.	Bluffs	
Middle and Upper Jurassic	Carmel formation		401	Mudstone; red sandstone interstratified with siltstone; slump deformed red-brown siltstone and pale-brown sandstone.	Ledges and short slopes.	
			0-228	Massive pale-yellow medium- to fine-grained cross-bedded sandstone.	Broad slopes	
			0-32	Evenly bedded dark-brown to pale-gray medium- to fine-grained sandstone and siltstone.	Ledges	
Jurassic and Jurassic(?)	Navajo sandstone		1675-1857	Massive gray- to red-brown crossbedded sandstone with a few lenses of dark-brown chert.	Nipples, buttes, and sheer cliffs.	
			Jurassic(?)	Kayenta formation		120-200
Triassic(?)	Moenave formation		180-223	Massive dark-colored sandstone	Cliffs	
				90-220	Even-bedded reddish-orange sandstone and siltstone	Ledges and steep slopes.
Late Triassic	Chimle formation		825	Owl Rock member: cherty limestone, limestone conglomerate, sandstone, and mudstone; 150-200 ft thick.	Smooth rounded slopes.	
				625		Petrified Forest member: bentonitic mudstone and claystone colored shades of green, blue, and red, overlain by reddish silty mudstone and pebble conglomerate in thin lenses; all about 625 ft thick.
				175±	Lenticular pale-gray arkosic sandstone, varicolored mudstone.	Ledges
			0-150	Lenticular pale-brown conglomerate sandstone	Benches and ledges.	
Early and Middle(?) Triassic	Moenkopi formation		320-469	Thin-bedded gypsiferous pale-red- to dark-brown mudstone, siltstone and silty limestone, with pale-brown sandstone as marker bed near top of formation.	Concave slopes	
Permian	Aubrey group		244-320	Massive light-gray sandy and cherty limestone	Cliffs	
				120±	Interbedded sandstone; mudstone and cherty limestone.	Cliffs
				50-60	Massive light-yellow-gray crossbedded sandstone	Cliffs
				520±	Thin-bedded brownish-red siltstone and shale	Steep slopes
Permian and Pennsylvanian	Supai formation		500+	Light-colored medium- to fine-grained sandstone interstratified with laminated red-brown siltstone and shale.	Ledges and cliffs.	

<sup>1</sup>Thickness of stratigraphic units in this table apply only to the area shown by the geologic map. Stratigraphic sections 1, 2, and 6 have been measured outside the map area, and the thickness of the formations described at these places may be more or less than those in this plate.