

ERA PERIOD	FORMATION	SECTION	CHARACTER	THICKNESS (feet)
CENOZOIC	Alluvium		Conglomerate: light brown, thin- to thick-bedded; weathers to slope; matrix: light brown arenaceous; cement: weak, fine sand and silt; gravel: pebble to cobble size; composed of rocks from all older formations; stream deposited.	50 ±
	Gila conglomerate		Conglomerate: tan, white and gray, thick-bedded; weathers to slope; matrix: tan and gray, arenaceous to argillaceous; cement: calcareous, weak to firm; gravel: pebble to cobble size; composed of rocks from all older formations.	400 ±
	Dacite		Dacite: pinkish gray, fine-grained; contains no conspicuous layering; usually weathers along rectangular joints to form bouldery surface; locally weathers to resistant cliff; water laid tuff capped by vitrophyre normally underlies dacite.	200 ±
	Escabrosa limestone		Limestone: yellowish gray, fine-grained, sugary, massive; contains chert nodules, fossils: sparse silicified cup and colonial corals and brachiopods, weathers to surface with large sharp-edged pits; forms resistant cliff.	200 ±
PALEOZOIC	Martin limestone		Limestone: light gray, medium- to coarse-grained, thin- to moderately thick-bedded (4"-3'), in places is argillaceous and at others contains arenaceous nodules; contains fossils (colonial corals, crinoids, brachiopods); weathers to resistant cliff.	102 ±
	Mescal limestone		Limestone: medium to light gray, fine-grained, dense, thin bedded; weathers with moderately rough surface; forms resistant cliff. Altered to serpentine and to fine-grained quartz.	160 ±
	Dripping Spring quartzite		Upper quartzite: light gray, yellowish gray and red; fine-grained, thin- to thick-bedded, argillaceous; weathers to slope. Beds predominantly gray in lower part and red in upper part.	470 ±
PRE-CAMBRIAN	Barnes conglomerate		Conglomerate: light brown, massive; weathers to resistant cliff; matrix: light brown, arkosic, sandstone to quartzite; cement firm, siliceous gravel: white, red brown, brown, gray, pink and red; well rounded; pebble to cobble size; composed mainly of quartzite.	5-35
	Pioneer shale		Shale: red, arenaceous; fine-grained, thin-bedded; contains white spots; weathers to slope.	160 ±
	Scanlan conglomerate		Conglomerate: reddish orange, moderately thick-bedded; weathers to resistant cliff; matrix: gray, arkosic and quartzitic debris; cement siliceous, firm; gravel: gray quartz and red feldspar, 1/4" to 4" diameter moderately rounded.	1-5
	Ruin granite		Granite: reddish orange, coarse-grained to porphyritic; weathers to crumbly mass, forms slope.	

PLATE 4 GENERALIZED COLUMNAR SECTION, RUIN BASIN AREA, ARIZONA