

COLUMNAR SECTION

GENERALIZED SECTION FOR THE PIEDMONT SHEET.						
SCALE: 1000 FEET = 1 INCH.						
PERIOD.	FORMATION NAME.	SYMBOL.	COLUMNAR SECTION.	THICKNESS IN FEET.	CHARACTER OF ROCKS.	CHARACTER OF TOPOGRAPHY AND SOILS.
CARBONIFEROUS	Elkgarden formation.	Ce		280+	Gray and black shale, thin sandstone, and coal.	Generally smooth hilltops. Gray to yellow sandy clay-soil.
	Fairfax formation.	Cf		300	Shale, sandy shale, minor sandstone beds, and thin coal.	Undulating uplands and hill-slopes. Gray to yellow sandy clay-soil.
	Bayard formation.	Cb		400-475	Sandstone and conglomerate. Sandstone, sandy shale, and thin limestone, with beds of coal.	Steep stony slopes of gorges and mountain-sides. Sandy and usually stony soil.
	Savage formation.	Cs		130-160	Sandstone and sandy shale, with beds of coal and carbonaceous shale.	Lower slopes of North Potomac gorge above Piedmont and stony hillsides. Overplaced sandy soil.
	Blackwater formation.	Cbw		260-645	Conglomerate and sandstone. Sandstone, sandy shale, thin coal, and conglomerate.	Cliffs and stony upper slopes of escarpments of mountains and ridges. Very thin sandy soil.
	Canaan formation.	Cc		550-750	Red clay-shale, sandy shale, and thin sandstone.	Middle and lower slopes of escarpments. Red to yellow sandy clay-soil.
	Greenbrier limestone.	Cg		200-450	Light-blue limestone and red clay-shale.	
	Pocono sandstone.	Cp		30-80	Conglomerate and sandstone.	Crests of spurs, ridges, and knobs on mountain-sides. Thin sandy soil.
DEVONIAN	Hampshire formation.	Dh		2000-2300	Sandstone and shale, mainly red in color.	Mountain-slopes and rounded ridges and knobs. Red and gray sandy soil.
	Jennings formation.	Dj		3300	Gray to buff sandstone and gray, olive, and buff shale.	Mountain-slopes and rounded ridges. In Garrett County, "glades" and undulating areas. Soil usually sandy.
	Romney shale.	Dr		1100-1300	Shale, black and fissile below, lighter-colored and more sandy above. Thin limestone.	Wide valleys and low rounded ridges. Thin soil, usually clayey. In the wider valleys, alluvial deposits of varying width.
	Monterey sandstone.	SDm		215-300	Massive calcareous blue-gray sandstone, usually weathered to a brown porous sandstone.	Knobs and ridges, mainly along the base of higher mountains.
SILURIAN	Lewistown chert-lentil.	Slc		180-300	Cherty limestone.	Thin sandy or cherty, barren soil.
	Lewistown limestone.	Sl		20-80	Massive light blue-gray limestone with some chert.	Knobby ridges and elevated valleys. Thin but rich clay-soil. Fertile slopes. Soil usually thin.
				100	Shaly limestone.	
				30-60	Dark-colored limestone.	
				450-980	Flaggy limestone.	
	Rockwood formation.	Sr		250-310	Thin beds of impure limestone with alternations of greenish and gray calcareous shale.	Slopes and narrow valleys. Thin, fertile shale-soil.
				12-20	Gray sandstone.	
	Cacapon sandstone.	Sc		300	Red sandstone, mainly thin-bedded.	Rocky slopes. Thin sandy soil.
Tuscarora quartzite.	St		480	White or gray massive quartzite.	Rocky mountain summits and slopes. Mainly bare rock surfaces.	
Juniata formation.	Sj		750+	Brownish-red sandstone and shale.	Gorges of New Creek Mountain. Mainly covered by rock talus.	

NAMES OF FORMATIONS.

SHOWING THE NAMES APPLIED BY VARIOUS AUTHORS TO THE STRATA OF THE PIEDMONT AREA. THE IMPLIED CORRELATIONS WITH OTHER STRATIGRAPHIC AREAS ARE NOT NECESSARILY ACCEPTED.

PERIOD.	NAMES AND SYMBOLS USED IN THIS FOLIO.	NAMES WHICH HAVE BEEN USED BY VARIOUS AUTHORS.	NAMES USED BY H. D. ROGERS IN THE FIRST REPORT OF PA., 1836, AND BY W. B. ROGERS IN THE VIRGINIAS, 1838, AND LATER.	NAMES USED BY H. D. ROGERS IN THE FINAL REPORT OF PA., 1868.
CARBONIFEROUS	Elkgarden formation.	Ce	Upper Coal Measures.	XV.
	Fairfax formation.	Cf	Lower Barren Measures.	XIV.
	Bayard formation.	Cb	Lower Coal Measures.	XIII.
	Savage formation.	Cs		
	Blackwater formation.	Cbw	Pottsville conglomerate.	XII.
	Canaan formation.	Cc	Mauch Chunk shales.	XI.
	Greenbrier limestone.	Cg	Greenbrier limestone.	
	Pocono sandstone.	Cp	Montgomery grits. Pocono sandstone.	X.
DEVONIAN	Hampshire formation.	Dh	Catskill.	IX.
	Jennings formation.	Dj	Chemung.	
	Romney shale.	Dr	Hamilton.	VIII.
	Monterey sandstone.	SDm	Oriskany.	VII.
SILURIAN	Lewistown limestone.	Sl	Lower Helderberg.	VI.
			Salina.	
		Niagara.		
	Rockwood formation.	Sr	Clinton.	V.
	Cacapon sandstone.	Sc		
	Tuscarora quartzite.	St	Medina.	IV.
Juniata formation.	Sj			