

GENERALIZED SECTION FOR THE MONTEREY QUADRANGLE.						
SCALE: 1000 FEET = 1 INCH.						
PERIOD.	FORMATION NAME.	SYMBOL.	COLUMNAR SECTION.	THICKNESS IN FEET.	CHARACTER OF ROCKS.	CHARACTER OF TOPOGRAPHY AND SOIL.
CARBONIFEROUS	Blackwater formation.	Cbw		400	Conglomerate, sandstone, and shale with thin impure coal in very irregular beds.	Steep mountain crests and wide, bare, rocky plains.
	Canaan formation.	Ccn		1000-1300	Red shales with brown sandstones. Thin limestone.	Steep, smooth, mountain and hill slopes. Thin soil, in greater part not very fertile.
	Greenbrier limestone.	Cgr		350-400	Limestone and red shale.	Mountain slopes. Rich soil.
	Pocono sandstone.	Cpo		70-90	Coarse, hard sandstone, in part conglomeratic.	Knobs and narrow terraces. Thin, sandy, barren soil.
DEVONIAN	Hampshire formation.	Dh		1500-1800	Sandstones and shales, mainly of red color.	Steep mountain slopes. Thin, sandy soils. Some of the ridges have thin, moderately fertile soil, suitable for pasture.
	Jennings formation.	Dj		3000-3800	Gray and buff sandstones and olive and gray shale.	Mountain slopes. Thin, sandy, barren soil.
	Romney shale.	Dr		1000-1300	Shale, black and fissile below, lighter colored and more sandy above. Thin bed of limestone.	Wide valleys and low rounded ridges. Thin soil, usually clayey. The valleys generally contain alluvial deposits of greater or less width.
SILURIAN	Monterey sandstone.	SDm		50-200	UNCONFORMITY. Calcareous sandstone, weathers to buff, porous sandstone. Cherty limestone.	Knobs and ridges. Bare surfaces or thin, sandy and cherty soil.
	Lewistown limestone.	Sl		550-1050	Massive limestone. Flaggy limestone. Thin-bedded impure limestone and calcareous shale.	Knobby ridges and elevated valleys. Thin, rich soil. Fertile slopes on the sides of ridges.
	Rockwood formation.	Sr		100-900	Gray sandstone. Shale with thin sandstone and limestone beds and iron ore. Includes quartzite at the base in the eastern portion.	Slopes and rounded hills. Thin, moderately fertile soil.
	Cacapon sandstone.	Scn		100-630	Red sandstone, mainly flaggy.	Rocky slopes. Thin, sandy soil.
	Tuscarora quartzite.	Stc		50-300	White and gray quartzite.	Rocky mountain summits. Mainly bare surfaces.
	Juniata formation.	Sj		205-1250	Brownish-red sandstones and red shales.	Steep slopes. Thin, sandy, barren soil.
	Martinsburg shale.	Smb		800-1800	Gray shale with sandy beds near the top.	Slopes and high rounded hills. Thin, moderately fertile soil.
	Shenandoah limestone.	CSs		2400+	Light-gray fossiliferous limestone. Darker-gray limestone containing chert. Massive gray limestone, in part magnesian.	Valleys with undulating slopes. Fertile clay soil.

N. H. DARTON,
Geologist.