

**PALEOZOIC STRATIGRAPHIC COLUMN of Central Pennsylvania**

**\*Ridge Makers**

System & Series		Formation and Members		General Description	
Pnn.	L & N	Llewellyn Formation 2000'+		Cycles of conglomerate or sandstone; underclay coal, shale	
	L & M	Pottsville Formation* 1400'		Cycles of conglomerate or sandstone; underclay coal, shale	
Miss.	M	Mauch Chunk 5000'		Grayish red and gray shale	
	Lower	Pocono* 1600'	Mount Carbon 940'	Gray to buff, medium grained, cross-bedded sandstone	
Beckville 225'			Gray to buff, medium grained, cross-bedded sandstone		
Dev.	Upper	Catskill 7250'	Spechty Kopf 435'	Gray, fine and medium grained sandstone conglomerate near middle and base	
			Duncannon 2000'	Asymmetric, upward-fining fluvial cycles, basal nonred, locally conglomeratic sandstone is overlain by grayish red sandstone and siltstones	
			Sherman Creek 2400'	Interbedded grayish red claystone and fine grained, cross-bedded sandstone	
		Trimmers Rock 2000'	Harrell 200'	Irish Valley 2850'	Interbedded, grayish red and olive gray sandstone, siltstone, shale, overlain upward-fining cyclic deposits of gray sandstone and red siltstone
					Medium gray siltstone and shale, with fine grained sandstone in upper part; graded bedding common
					Olive and medium light gray shale
Middle	Mahantango 1600'	Sherman Ridge* 600'	Olive gray, fossiliferous, claystone with interbedded fine sandstones which coarsen upward		
		Montebello 600'	Olive gray, medium grained, locally conglomeratic, fossiliferous sandstone, interbedded with siltstone and claystone in upward-coarsening cycles		
		Fisher Ridge* 700'	Laminated gray silty shale		
		Dalmatia 300'	Light olive gray sandstone		
		Turkey Ridge 100'	Light gray, fine to medium grained sandstone		
	Marcellus 106'		Highly fissile, dark gray to black shale; weathers yellowish orange		
	Onondaga 165'	Selinsgrove 80'	Medium to dark gray, fossiliferous argillaceous fine grained limestone		
		Needmore 85'	Medium gray, fissile shale		
	Lower	Old Port* 100'		Dark gray, whitish weathering chert, underlain by shale limestone beds, and locally overlain medium to coarse grained sandstone	
		Keyser 200'		Medium gray, fossiliferous, lumpy, fine to coarse grained limestone	
Upper	Tonoloway 600'		Medium gray, laminated thin-bedded, fine grained limestone		
	Wills Creek 700'		Gray calcareous shale with interbedded light gray, calcareous, fine grained sandstone, limestone and red silty claystone		
	Bloomsburg* 500'		Red claystone shale with fine grained, argillaceous, hematitic sandstone at base and near top		
Middle					

Sil.	Middle	Mifflintown 160'	Dark gray, silty, calcareous shale; bioclastic, f. grain, thin bedded, limestone	
		Keefer* 40'	Gray, fine to coarse grained, fossiliferous, sandstone which is locally hematitic	
		Rose Hill 950'	Light olive gray, shale, calcareous in upper part; grayish red, fine to coarse grained, hematitic sandstone near top	
	L	Tuscarora* 600'	Light gray, fine to medium grained quartz sandstone	
Ord.	Upper	Juniata 750'	Grayish red, fine to medium grained, cross-bedded, graywacke sandstone; grayish red siltstone	
		Bald Eagle* 730'	Gray, cross bedded, medium to coarse grained sandstone, quartz pebble conglomerate	
		Reedsville 900'	Olive gray silty shale, with increasing interbeds of graded gray sandstone in upper part	
	Middle	Antes Gap Shale 200'	Very dark gray fissile, carbonaceous shale graptolite trilobite fauna	
		Coburn Limestone 275'	Well-bedded, dark gray, fine to medium grained fossiliferous limestone with very dark shale interbeds	
		Salona Limestone 175'	Dark gray fine grained limestone, less fossiliferous than Coburn and containing five or more metabentonite	
		Nealmon Limestone 70'	Medium gray, coarse grained highly fossiliferous (crinoids, bryozoans) limestone	
		"Quarry Limestone" including:	Linden Hall 150'	Medium gray, thick bedded, fine grained pure limestone
			Snyder 70'	Light gray, mudcracked, fine to coarse grained, thin bedded commonly fossiliferous and dolomitic limestone
	Loysburg 400'		Medium gray, fine grained, 1 footbedded "striped" limestone and dolomite	
	Lower	Bellefonte Dolomite 1200'	Yellowish gray, fine grained microcrystalline dolomite	
		Axeman Limestone 400'	Gray, slightly fossiliferous, fine grained, limestone with layers of dolomite	
		Nittany Dolomite 1200'	Dark gray, cherty, coarsely crystallite dolomite	
Stonehenge Limestone 600'		Gray, well bedded limestone		
Cam.	Upper	Mines Dolomite 250'	Thick bedded, cherty, oolitic dolomite	
		Gatesburg Sandstone & Dolomite* Dolomite 1600'	Dolomitic sandstone or sandy dolomite	
		Warrior Limestone 1200'	Thin bedded, gray limestone	
	M	Pleasant Hill Limestone 250'	<u>BLUE RIDGE-GREAT VALLEY SEQUENCE</u> Elbrook Limestone	
	L	Waynesboro Formation	Waynesboro Formation Tomstown Dolomite Antietam Quartzite*	
Eo-Cam.		Harpers Formation (Montalto Quartzite Member) Weverton Quartzite* London Conglomerate		
Pre-Cam.	U	Catocton Volcanics Swift Run Formation		
	L	Gneissic Basement		