SERIES	FORMATION	DESCRIPTION	LITHOLOGY	DEPTH BELOW SURFACE (feet)	COAL THICKNESS (feet, unless inches are indicated)	COAL BED NAME
HOLOCENE		Elevation at surface 2890.0′ Clay and boulders		12.0		
LOWER PENNSYLVANIAN	NEW RIVER FORMATION	Sandstone				
		Sandy shale				
		Dark shale		117.5	3.0 UPPER BENCH	UPPER HORSEPEN COAL BED(S) (SMITH SEAM) LOCALLY THESE BEDS MERGE
		Sandstone		160.0	4.0 LOWER BENCH	
		Coal spars Sandstone			3″	
				203.0	1.0	MIDDLE HORSEPEN COAL BED(S)
		Sandy shale				
		Sandy shale				
		Sandstone		282.0	1.5	
		Shale				WAR CREEK COAL BED (BECKLEY COAL BED)
		Sandstone		332.0	0.5 0.5	
		Shale			8″	FIRE CREEK COAL ZONE
		Sandstone		371.0	0.5	
		Sandstone Coal spars			2″	
				468.0	2.0 1.0 4″	LOWER HORSEPEN COAL BED(S) (LITTLE FIRE CREEK COAL ZONE) (COMPANY NO. 9 COAL BED)
		Bone coal				
		Sandstone PINEVILLE SANDSTONE MEMBER				
		Shale				
		Shale		616.0	2″	POCAHONTAS NO. 8 COAL BED
	POCAHONTAS FORMATION	FLATTOP MOUNTAIN SANDSTONE MEMBER				
		Black shale				
		Sandstone				
		Shale				
		Gray shale		837.5	2.5 4″ 5″	
				854.0	7.0	POCAHONTAS NO. 4 COAL BED
		Sandstone				
		Shale				
		Sandy shale		948.0	7.0	POCAHONTAS NO. 3 COAL BED
		Shale 1937.0′		953.0		

VERTICAL SCALE 1 INCH=50 FEET

INTERIOR—GEOLOGICAL SURVEY, RESTON, VA.—1982—G81684

GENERALIZED COLUMN SHOWING COAL-BED STRATIGRAPHY