



SYSTEM	FORMATION	AVERAGE INTERVAL BETWEEN COAL BEDS	COAL BED DESIGNATION	NO.
PENNSYLVANIAN	POST-POTTSVILLE ROCKS		Tunnel (T)	19
			Peach Mt.	18
			Little Tracy	17
			Troy	16
			Little Diamond	15
			Diamond	14
			Little Orchard	13
			Orchard	12
			Primrose	11
			Rough	10A
			Haines	10
POTTSVILLE	MIDDLE POTTSVILLE		Four-foot	9B
			Top Salt	9A
			Middle Salt	8B
			Bottom Salt	8A
			Skullers	7
			Skullers Leader	7A
			Seven-foot	6
			Seven-foot	6A
			Top Salt	5B
			Bottom Salt	5A
			Skullers	4
POTTSVILLE	LOWER POTTSVILLE		Skullers	3
			Skullers Leader	3A
			Seven-foot	2
			Seven-foot	2A
			Top Salt	1B
			Bottom Salt	1A
			Skullers	0
			Skullers Leader	0A
			Seven-foot	-1
			Seven-foot	-1A

GENERALIZED GRAPHIC SECTION SHOWING THE NAMES, NUMBERS AND INTERVALS BETWEEN COAL BEDS IN THE MAP AREA

COMPOSITE GRAPHIC SECTIONS SHOWING STRATIGRAPHY AND COAL BEDS OF PENNSYLVANIAN ROCKS IN VICINITY OF THE MAP AREA

INDEX MAP SHOWING REPORT AREA AND LOCATION OF GRAPHIC SECTIONS

EXPLANATION OF GRAPHIC SECTIONS

- Covered interval
- Fluorite exposed
- Coal
- Gray, green, or brown shale
- Carbonaceous shale
- Red shale
- Shale
- Sandstone
- Sandstone, pebble layers
- Conglomerate

EXPLANATION CROSS SECTIONS

- Post-Pottsville rocks
- Pottsville rocks
- Lower Pottsville rocks

APPROXIMATE LOCATIONS OF GRAPHIC SECTIONS

- North side of Shamokin Creek, 2700 ft. north of Shamokin.
- North side of Highway 22, north of Brady.
- Diamond drill hole in north central part of Williams Lumber tract.
- Diamond drill hole in western part of May Lane tract.
- More toward north end of Williams Lumber tract.
- More toward north end of Williams Lumber tract.
- More toward north end of Williams Lumber tract.
- More toward north end of Williams Lumber tract.
- Diamond drill hole in northeastern part of Bullard Adams tract.

INTRODUCTION

This report on anthracite in the eastern part of the Shamokin quadrangle, Pa., is one in a series of reports published by the U. S. Geological Survey on the geology of the anthracite fields of Pennsylvania. It is one of four main fields making up the eastern Pennsylvania anthracite district (table 1, p. 11). The field is one of the Western Middle anthracite fields, which is one of about 15 fields in the Western Middle anthracite field. The field is one of the Western Middle anthracite fields, which is one of about 15 fields in the Western Middle anthracite field. The field is one of the Western Middle anthracite fields, which is one of about 15 fields in the Western Middle anthracite field.

STRATIGRAPHY

The rocks that crop out in the Shamokin quadrangle are of sedimentary origin and consist of the Pottsville and lower Pottsville formations. The Pottsville formation is a sequence of gray and gray-green pebbly and shaly sandstones, shales, and conglomerates. The lower Pottsville formation is a sequence of gray and gray-green pebbly and shaly sandstones, shales, and conglomerates. The lower Pottsville formation is a sequence of gray and gray-green pebbly and shaly sandstones, shales, and conglomerates.

MISSISSIPPIAN SYSTEM

The Mississippian system in the eastern part of the Shamokin quadrangle is represented by the lower part of the Pottsville formation. The lower part of the Pottsville formation is a sequence of gray and gray-green pebbly and shaly sandstones, shales, and conglomerates. The lower part of the Pottsville formation is a sequence of gray and gray-green pebbly and shaly sandstones, shales, and conglomerates.

STRUCTURE

The structure of the eastern part of the Shamokin quadrangle is characterized by a series of north-south trending faults. The faults are generally normal and are spaced at intervals of about 1 to 2 miles. The faults are generally normal and are spaced at intervals of about 1 to 2 miles. The faults are generally normal and are spaced at intervals of about 1 to 2 miles.

QUATERNARY DEPOSITS

Unconsolidated deposits of glacial drift, sand, and fine to coarse sand of Quaternary age cover the bedrock in the eastern part of the Shamokin quadrangle. The deposits are generally composed of sand, silt, and clay. The deposits are generally composed of sand, silt, and clay. The deposits are generally composed of sand, silt, and clay.

COAL

Seventeen coal beds in the mapped area are of anthracite rank and are of varying thickness. The coal beds are generally 1 to 2 feet thick. The coal beds are generally 1 to 2 feet thick. The coal beds are generally 1 to 2 feet thick.

FOLDS

The principal coal-bearing synclines, particularly the synclines that are oriented north-south, are of the Pottsville formation. The synclines are generally composed of gray and gray-green pebbly and shaly sandstones, shales, and conglomerates. The synclines are generally composed of gray and gray-green pebbly and shaly sandstones, shales, and conglomerates.

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REFERENCES

Arndt, H. H., 1914. Geology of anthracite in the western part of the Shamokin quadrangle, Northumberland County, Pennsylvania. U. S. Geol. Survey Bull. 447.

Arndt, H. H., 1915. Geology of anthracite in the western part of the Shamokin quadrangle, Northumberland County, Pennsylvania. U. S. Geol. Survey Bull. 448.

Arndt, H. H., 1916. Geology of anthracite in the western part of the Shamokin quadrangle, Northumberland County, Pennsylvania. U. S. Geol. Survey Bull. 449.

ADVICE TO MINERS

Coal beds are newly exposed and are of varying thickness. The coal beds are generally 1 to 2 feet thick. The coal beds are generally 1 to 2 feet thick. The coal beds are generally 1 to 2 feet thick.

INDEX MAP

The index map shows the location of the mapped area in the eastern part of the Shamokin quadrangle, Northumberland County, Pennsylvania. The index map shows the location of the mapped area in the eastern part of the Shamokin quadrangle, Northumberland County, Pennsylvania.

EXPLANATION

The explanation section provides a key for the symbols and colors used in the map and graphic sections. The explanation section provides a key for the symbols and colors used in the map and graphic sections.

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GEOLOGY OF ANTHRACITE IN THE EASTERN PART OF THE SHAMOKIN QUADRANGLE, NORTHUMBERLAND COUNTY, PENNSYLVANIA

By
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