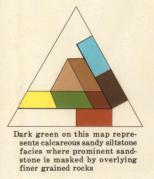
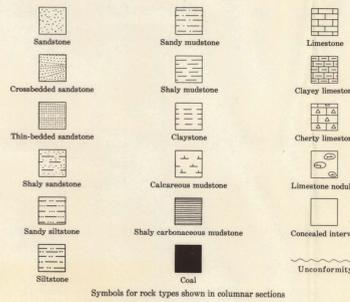
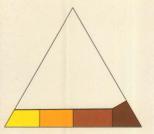
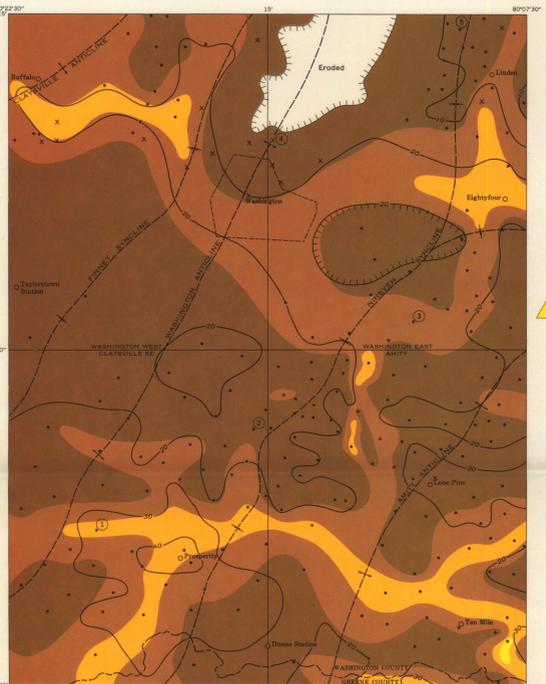


UNIONTOWN FORMATION



Dark green on this map represents calcareous sandy siltstone facies where prominent sandstone is masked by overlying finer grained rocks.



Symbols for rock types shown in columnar sections

Thickness line, in feet  
Position uncertain in southern part of Washington West quadrangle. *Hockley sandstone* linear areas

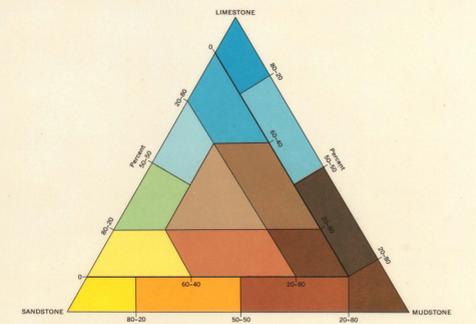
Anticline Fold axis Syncline

Generalized area where stratigraphic unit seems to have been eroded before deposition of overlying sediments

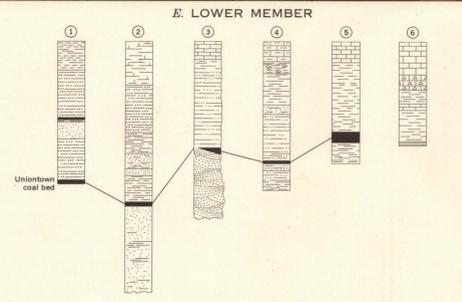
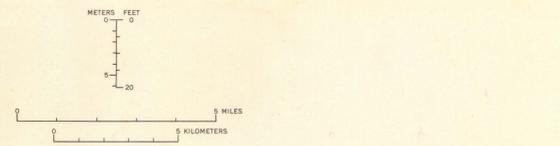
Generalized area where member has been removed by post-Early Permian erosion

Core hole Outcrop  
Data points used in lithofacies computations

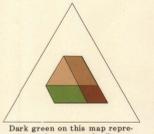
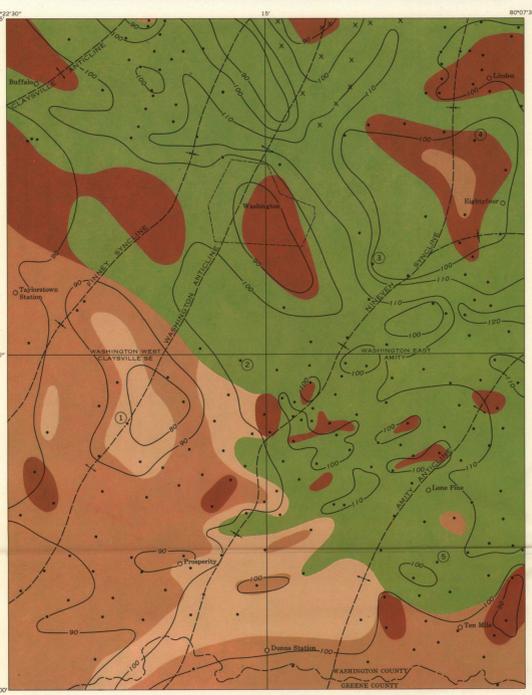
EXPLANATION



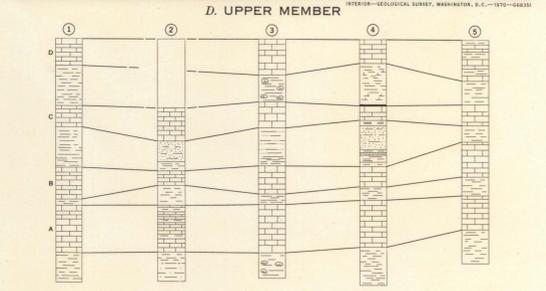
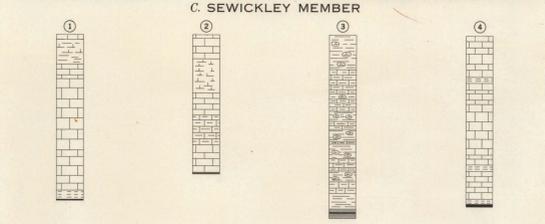
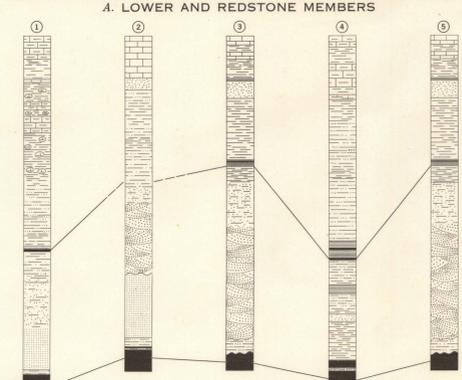
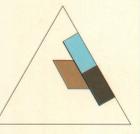
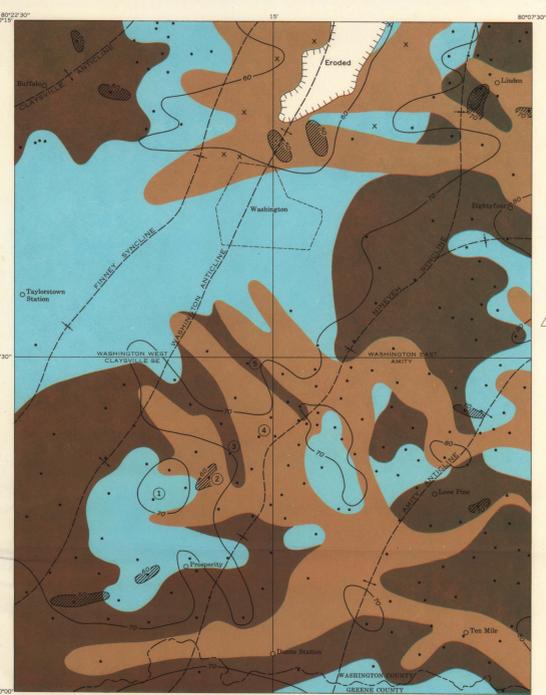
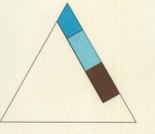
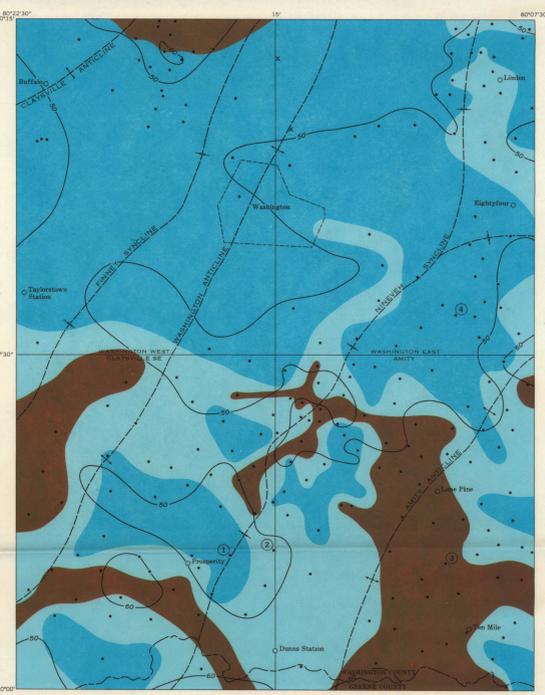
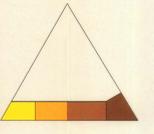
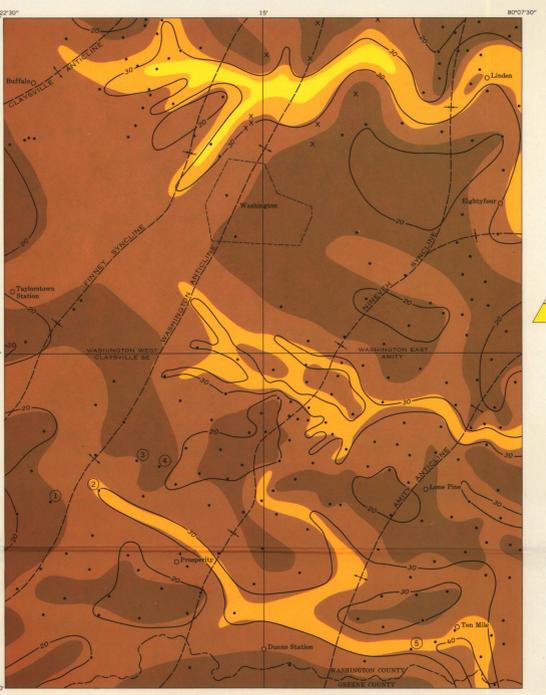
INDEX TO LITHOFACIES PATTERNS  
The lithofacies classification is based on lateral and vertical variations in the abundance of three general types of rock: sandstone, mudstone, and limestone. The diagram shows, in percent, the relative abundance of each rock type in a facies. Variations in abundance of only two rock types are shown by the facies along the bottom and right-hand margins of the diagram. The amount of each rock type, excluding coal, was calculated for each data point. All facies are laterally gradational; amounts of the three general rock types within a facies may vary within the percentage ranges shown in the diagram. Lithofacies relations in each member are shown in small diagrams beside individual maps. Because the composition of mudstone in the three-end-member diagram is similar to that in the outer two-end-member part, the same pattern is used for both on the maps.



PITTSBURGH FORMATION



Dark green on this map represents calcareous sandy siltstone facies where prominent sandstone is masked by overlying finer grained rocks.



MAPS SHOWING LITHOFACIES AND THICKNESS OF THE MEMBERS OF THE PITTSBURGH AND UNIONTOWN FORMATIONS, WASHINGTON AREA, PENNSYLVANIA