

# STRUCTURE SECTIONS

U.S. GEOLOGICAL SURVEY  
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HANCOCK QUADRANGLE



## LEGEND

SEDIMENTARY ROCKS

SHEET SYMBOL SECTION SYMBOL

Qal Alluvium  
(gravel and silt in flood plain of the larger streams)

Qtg Terrace gravels  
(green gravel and sand on terraces and in abandoned channels 20 to 250 feet above present drainage)

Cpk Pinkerton sandstone  
(massive white sandstone, quartz conglomerate and shaly sandstone with thin coal beds)

Cm Myers shale  
(red sandy shale and shaly sandstone with bedded argillite sandstone)

Ch Hedges shale  
(dark gray shale and thin sandstone with several thin coal beds)

Cp Purslane sandstone  
(massive white sandstone and quartz conglomerate)

Cr Rockwell formation  
(buff shale, dark gray shale with thin coal beds, and soft coarse argillite sandstone)

Dek Catskill formation  
(red micaceous sandstone and shale with green argillite and grayish sandy layers)

Dj Jennings formation  
(shaly gray shale and buff sandy shale with thin sandstone, block and shaly argillite sandstone member; Dph, Spruce-Argillite sandstone occurs locally above the Parkhill)

Dr Romney shale  
(dark gray to black sandy shale with thin coal beds above, with several hard sandstone in upper portion)

Do Oniskany sandstone  
(white quartzite sandstone, gray sandy and shaly limestone and fine quartz conglomerate)

Dh UNCONFORMITY

Dh Helderberg limestone  
(massive dark blue limestone and shaly cherty limestone)

Stw Tomoloway limestone  
(finely laminated shaly to dark gray limestone weathering to shaly limestone)

Swc Wills Creek shale  
(shaly dark colorless shale, shaly limestone, natural coarse rocked locally hard white sandstone, blue-gray red sandstone member, Shale base)

Smk McKenzie formation  
(gray shale with thin, vertical, blue and brownish limestone, blue argillite sandstone member, Shale base)

Sc Clinton shale  
(dark to pink fine sand and thin sandstone with hard ferruginous quartzite top and locally thin iron-ore beds)

St Inscavara sandstone  
(hard white massive and thin-bedded quartzite sandstone)

Oj Juniata formation  
(soft red sandstone and shale, and locally quartz conglomerate)

Om Martinsburg shale  
(soft buff sandy shale)

Ob Chambersburg and Stones River limestones  
(Do not outcrop in quadrangle)

Ob Beekmantown limestone  
(light gray magnesian limestone and shaly cherty limestone)

Ec Conococheague limestone  
(hard siliceous fossiliferous limestone and colorless sandstone with limestone pebbles)

Faults

Concealed faults  
(covered by stratified debris)

Strikes and dip of stratified rocks

Strikes of vertical strata

Horizontal strata

QUATERNARY

CARBONIFEROUS

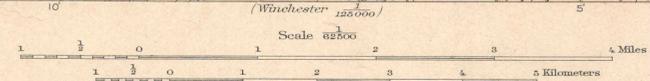
DEVONIAN

SILURIAN

ORDOVICIAN

CAMBRIAN

H.M. Wilson, Geographer in charge.  
Triangulation by Geo. T. Hawkins.  
Topography by W. Carvel Hall and W.N. Morrill.  
Surveyed in 1899 in cooperation with the States of Maryland and Pennsylvania.



Stose, Martin and Swartz

Structure sections by George W. Stose.  
Geology by George W. Stose, George C. Martin, and Charles K. Swartz.  
Swartz assisted by W.F. Prouty.  
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