



LEGEND

SEDIMENTARY ROCKS  
 SHEET SYMBOL SECTION SYMBOL

Qal Alluvium  
 (gravel and silt in valley bottoms)

Otg Terrace gravels  
 (coarse gravel and sand on stream terraces and elevated alluvial fans)

Dc Chert formation  
 (gray, green and dark-red shale and micaceous sandstone)

Do Romney and Portage formations  
 (not exposed in the quadrangle)

Or Oriskany formation  
 (cherty limestone, sandstone, and conglomerate)

Sh Helderberg limestone  
 (massive and thin-bedded dark limestone upper part cherty)

Sc Cayuga formation  
 (red, green and yellow shale with thin laminae limestone)

St Clinton shale  
 (dark clay shale with ferruginous red sandstone and white quartzite beds)

Oj Tuscarora sandstone  
 (massive hard white quartzose sandstone)

Om Juniata formation  
 (red sandstone and shale with some quartz conglomerate)

Oc Martinsburg shale  
 (black fissile shale and soft greenish argillaceous sandstone, barite sandstone, locally at the top)

Osr Chambersburg limestone  
 (rather pure thin bedded fossiliferous limestone with crystalline partings)

Ob Stones River limestone  
 (very pure even grained limestone with some magnesian beds)

Ob Beekmantown limestone  
 (interbedded pure and magnesian limestone, bed of various and fossiliferous chert in lower part)

Ec Conococheague limestone  
 (dense dark limestone with numerous contorted sandy laminae)

Faults  
 Concealed faults (covered by surficial deposits)

Strike and dip of stratified rocks  
 Strike of vertical strata  
 Horizontal strata

Axes of anticlines and synclines  
 (heavy lines are anticlines; light lines are synclines)

QUATERNARY

TERTIARY

DEVONIAN

SILURIAN

ORDOVICIAN

CAMBRIAN

H.M. Wilson, Geographer in charge.  
 Control by Sledge Tatum and J.H. Wheat.  
 Topography by Robt. D. Cummin.  
 Surveyed in 1900.

Geology by George W. Stose.  
 Surveyed in 1901-07.

