

U.S. GEOLOGICAL SURVEY  
CHARLES D. WALCOTT, DIRECTOR

# HISTORICAL GEOLOGY SHEET

VIRGINIA - WEST VIRGINIA  
MONTEREY QUADRANGLE

## LEGEND

SEDIMENTARY ROCKS  
(Areas of Sedimentary rocks are shown by patterns of parallel lines.)

- XII Blackwater formation  
(sandstone, shale, and shaly sandstone, with thin beds of sandstone locally variable)
- XI Canaan formation  
(red and green shale and green and brown sandstone)
- X Greenbrier limestone  
(limestone, shale, and sandstone)
- Pocono sandstone  
(gray sandstone in places conglomeratic)

CARBONIFEROUS

- IX Hampshire formation  
(shale and sandstone, mostly red)
- A Jennings formation  
(gray shale and buff shale and gray sandstone)
- VIII Romney shale  
(dark shale with thin limestone beds near the base)
- VII Montorey sandstone
- VI Lewisston limestone  
(limestone, including at the top, shale, and thin beds of sandstone with thin beds of green rock)
- V Rockwood formation  
(thin sandstone at the top and shale below)

DEVONIAN

- IV Cacapon sandstone
- Tuscarora quartzite
- III Juniata formation  
(red sandstone and shale)
- II Martinsburg shale  
(gray shale with sandy beds at the top)
- Shenandoah limestone

SILURIAN

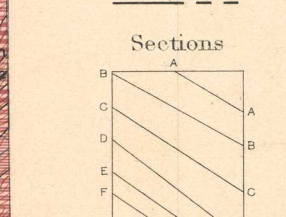
- Basalt  
(dike)
- Granite-felsophyre  
(dike)

JURATRIAS ?

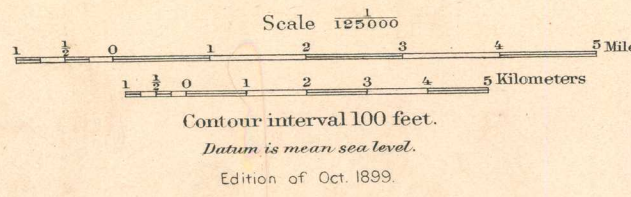
IGNEOUS ROCKS  
(Areas of igneous rocks are shown by patterns of triangles and rhombs.)

- Basalt  
(dike)
- Granite-felsophyre  
(dike)

Faults



Henry Gannett, Chief Topographer.  
Gilbert Thompson, Geographer in charge.  
Triangulation by the U.S. Coast and Geodetic Survey.  
Topography by L. C. Fletcher.  
Surveyed in 1886-87.



Geology by N.H. Darton.  
Surveyed in 1896 and 1897.