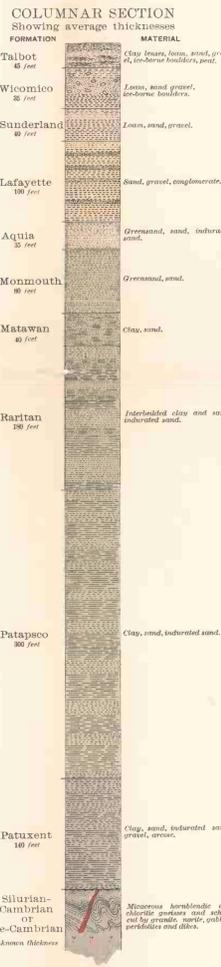


- LEGEND**  
With descriptions of the geological formations
- PLEISTOCENE**
- Pct Clay loam, occupying upper portion of formation, covering gravel layers and containing shaly sand, gravel and boulders.
  - Talbot Clay loam, occupying upper portion of formation, covering gravel layers and containing shaly sand, gravel and boulders.
  - Pow Clay loam, occupying upper portion of formation, covering gravel layers and containing shaly sand, gravel and boulders.
  - Wicomico Loam and sand predominate in the lower part of formation.
  - Sunderland
- NEOCENE**
- Ni Reddish and spotted sands and gravel, locally indurated to sandstone and conglomerate.
  - Lafayette
- EOCENE**
- Ea Green sand, sand, and indurated sand; fossiliferous.
  - Aquia
- CRETACEOUS**
- Kms Green sand and sand, locally indurated.
  - Monmouth Greenish-black sandy clay, containing green, oolitic and lignite.
  - Matawan Interbedded sand, sandy clay and shaly sand; fossiliferous.
  - Raritan Interbedded clay and sand, the former predominate; sand locally indurated.
  - Kpa Interbedded clay and sand, the former predominate; sand locally indurated.
  - Patapsco
- JURASSIC ?**
- Jp Interbedded sand, gravel and clay, covering the base of the Patuxent; fossiliferous.
  - Patuxent
- TRIASSIC**
- Diabase Locally in many brown rounded boulders and some thin.
- SILURIAN-CAMBRIAN or PRE-CAMBRIAN**
- Pegmatite In light colored dikes composed of quartz, feldspar and mica.
  - Basic Dikes Dark conical rocks occurring in narrow bands.
  - Meta-Rhyolite Chert, greenish-grey and to 100 feet, containing quartz and feldspar; also, locally, hornblende and gabbro, abundant in weathered specimens.
  - Serpentine Peridotite Pyroxenite Light green, grey or reddish brown rock, with characteristic broken surfaces.
  - Hypersaline Gabbro Norite Dark, hard rock with white feldspar and bromy pyroxene; "Sugar loaf".
  - Gabbro Meta-gabbro Quartz-hornblende gabbro Dark, hard, sometimes coarse grained rock, weathering in rounded boulders; "Sugar loaf".
  - Granite-gneiss Light granitic rock with feldspar and mica in partial solution.
  - Mica-gneiss Light granitic rock, often banded, strongly micaceous and occasionally schistose.



# MAP OF CECIL COUNTY

## SHOWING THE GEOLOGICAL FORMATIONS

MARYLAND GEOLOGICAL SURVEY  
WM BULLOCK CLARK, STATE GEOLOGIST  
IN CO-OPERATION WITH  
U.S. GEOLOGICAL SURVEY  
CHARLES D. WALCOTT, DIRECTOR  
1902

- CONVENTIONAL SIGNS**
- | MINES AND QUARRIES IN OPERATION | MINES AND QUARRIES NOT WORKING |
|---------------------------------|--------------------------------|
| X Building Stone                | X Building Stone               |
| X Clay and Kaolin               | X Clay and Kaolin              |
| X Flint and Spar                | X Flint and Spar               |

VERTICAL SECTION ON LINE A-B



Geology of the Crystalline Rocks by F. Bascom  
Geology of the Coastal Plain Formations by G. B. Shattuck,  
A. Bibbins, E. L. Miller and F. B. Wright  
Surveyed in 1899, 1900 and 1901