The Johns Hopkins University
SEP 06 1905
MAP COLLECTION

MARYLAND GEOLOGICAL SURVEY
WM. BULLOCK CLARK, STATE GEOLOGIST

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

MAP OF ST. MARY'S 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
1903

Scale 62500

Contour interval 20 feet.
Datum is mean sea level.

COLUMNAR SECTION

Showing average thicknesses

FORMATION		MATERIAL
Talbot	15 feet	Loam and ice-borne boulders.
Wicomico	20 feet	Gravel, sand, clay and peat. Loam and ice-borne boulders.
Sunderland	25 feet	Gravel, sand and clay. Loam and ice-borne boulders.
Lafayette	20 feet	Boulders, gravel, sand and clay. Gravel and sand. Loam, sand, and gravel.
St. Mary's	160 feet	Fossiliferous sandy-clay.
Choptank	112 feet	Sandy-clay. Fossil bed. Sandy-clay. Fossil bed. Clay and sand.
Calvert	185 feet	Fossiliferous sandy-clay.

LEGEND

With descriptions of the geological formations

PLEISTOCENE

- Plm — Mud, sand, gravel — Beaches and Marshes
- Pct — Loam, clay, sand, gravel, boulders, peat, marl — Talbot (COLUMBIA GROUP)
- Pcw — Loam, clay, sand, gravel, boulders — Wicomico (COLUMBIA GROUP)
- Pcs — Loam, clay, sand, gravel, boulders, peat — Sunderland (COLUMBIA GROUP)

PLIOCENE (?)

- Nl — Loam, clay, sand, gravel — Lafayette

MIOCENE

- Mcsm — Clay, sandy-clay, marl — St. Mary's (CHESAPEAKE GROUP)
- Mck — Clay, sandy-clay, sand, marl — Choptank (CHESAPEAKE GROUP)
- Mcc — Clay, sandy-clay, marl, Diatomaceous earth — Calvert (CHESAPEAKE GROUP)

Vertical Section along line A-B
Horizontal Scale; 1 inch=1 mile. Vertical Scale; 1/4 inch=50 feet

George Burbank Shattuck, Geologist in Charge
Geology by George Burbank Shattuck, assisted by
L. C. Glenn, B. L. Miller and W. D. Neal
Surveyed in 1898-1902

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