UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROFESSIONAL PAPER 796
PLATE 35

SOUTHWEST M — M′ NORTHEAST

MILES: 24.3 | 22.8 | 31.0 | 11.6 | 12.1

FEET +250 … 1500 (MEAN SEA LEVEL)

VA-WES-T-7
38°12'00"
76°55'40"

MD-StM-T-27
38°14'30"
76°29'15"

MD-DOR-P-29
38°17'40"
76°04'15"

MD-WIC-OT-11
38°18'45"
75°29'30"

MD-WOR-OT-10
38°18'15"
75°16'30"
ELEVATION = +45

MD-WOR-OT-11
38°24'30"
75°03'45"

POST—MIOCENE ROCKS
ROCKS OF LATE MIOCENE AGE
ROCKS OF MIDDLE MIOCENE AGE
ROCKS OF CLAIBORNE AGE
ROCKS OF SABINE AGE
ROCKS OF MIDWAY AGE
CRETACEOUS—UNIT F
CRETACEOUS—UNIT G
CRETACEOUS AND LATE JURASSIC(?)—UNIT H
ROCKS OF JACKSON AGE
CRETACEOUS—UNIT A
CRETACEOUS—UNIT B
CRETACEOUS—UNIT C
CRETACEOUS—UNIT D
CRETACEOUS—UNIT E
BASEMENT ROCKS
TRIASSIC ROCKS
JURASSIC(?)—UNIT I

ROCK TYPES

Note: Only those rock types that are colored appear on this sheet. Grain size of sand is indicated by dot size. Combinations are indicated by superposition of patterns. For example, sandy shell limestone is indicated by combination of sandy limestone and shell limestone patterns.

Coarse sand · Medium sand · Fine sand · Gravel · Shell hash · Boulders
Clay · Clayey sand (sand >clay) · Sandy clay (clay >sand) · Shale · Siltstone · Anhydrite
Limestone · Shell limestone · Sandy limestone · Chalk · Algal limestone · Oolitic limestone
Dolomite · Dolomitic limestone · Coquina · Greensand · Basement · No sample

ACCESSORIES

Note: Only those accessories for which symbols are shown appear on this sheet. Accessories occur throughout a given rock type unless otherwise noted.

Shell fragments · Gypsum · Pyrite · Chert · Lignite
Glauconite · Fragmentary dolomite · Feldspar · Fragmentary basement · Diatoms
Mica · Fragmentary chalk · Calcareous sediment · Siderite · Abundant microfauna
Fragmentary limestone · Phosphate · Limonite · Hematite · Ankerite

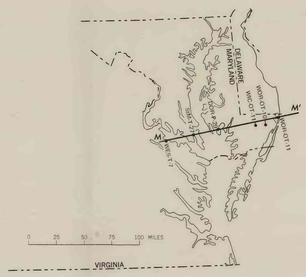
<A-1,5,7 Index fossil occurrence (see table 2)

Sediment color (Shown on right side of rock types. Sediment color is gray or white where not shown.)

AGE DESIGNATION

QUATERNARY UNIT:	CRETACEOUS UNITS:
Post-Miocene rocks	A
TERTIARY UNITS: Rocks of—	B
Late Miocene age	C
Middle Miocene age	D
Oligocene age	E
Jackson age	F
Claiborne age	G
Sabine age	CRETACEOUS AND LATE JURASSIC(?)
Midway age	UNIT H
	JURASSIC(?)
	UNIT I
	TRIASSIC UNIT:
	Rocks of Triassic age
	Basement rocks

Note: Triassic shales in MD-WOR-OT-10 are silty. Claiborne glauconite is brown in part in VA-WES-T-7 and MD-StM-T-27



GEOLOGIC CROSS-SECTION M–M′ FROM WASHINGTON'S BIRTHPLACE WELL, WESTMORELAND COUNTY, VA., TO MARYLAND ESSO WELL 1, WORCESTER COUNTY, MD.

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1973—W73177

Geology by P.M. Brown and J.A. Miller, 1972