UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROFESSIONAL PAPER 796
PLATE 26

NORTHWEST **D** — **D′** SOUTHEAST

MILES: 17.9 — 3.8 — 4.5 — 15.7 — 2.5 — 7.5 — 1.6 — 6.1 — 8.4 — 15.0 — 8.5 — MILES

FEET

MEAN SEA LEVEL

NC-WAY-T-1 35°12′20″ 78°04′30″ — NC-DU-P-7 35°07′20″ 77°47′05″ — NC-LEN-T-1 35°03′05″ 77°44′50″ — NC-LEN-P-9 35°04′20″ 77°37′30″ — NC-JON-OT-4 34°56′15″ 77°24′30″ — NC-ON-OT-11 34°54′00″ 77°23′45″ — NC-ON-OT-10 34°50′00″ 77°16′40″ — NC-JON-T-3 34°54′35″ 77°13′30″ — NC-CR-T-36 34°55′40″ 77°05′15″ — NC-CR-OT-30 34°50′55″ 76°57′45″ — NC-CAR-OT-8 34°45′40″ 76°45′30″ — NC-CAR-OT-7 34°43′50″ 76°34′30″

POST—MIOCENE ROCKS
CRETACEOUS—UNIT A
CRETACEOUS—UNIT B
CRETACEOUS—UNIT C
CRETACEOUS—UNIT D
CRETACEOUS—UNIT F
BASEMENT ROCKS

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

First sample in unit "A"

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.)

Note: Unit D consists of white clay in WAY-T-1. MidwaySand is yellow stained in CAR-OT-7

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

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

GEOLOGIC CROSS SECTION D–D′ FROM MT. OLIVE PICKLE CO. WELL, WAYNE COUNTY, N.C., TO HUNTLEY-DAVIS WELL 1, CARTERET COUNTY, N.C.