ED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROFESSIONAL PAPER 796
PLATE 28

WEST **F** — **F′** EAST

MILES: 15.0 | 7.3 | 9.8 | 9.8 | 12.2 | 2.3 | 7.6 | 31.0 | 15.7

FEET +200 … 6400 — MEAN SEA LEVEL

NC-ED-P-2 35°47′20″ 77°38′20″ — NC-PI-T-2 35°48′40″ 77°22′05″ — NC-MAR-P-9 35°49′50″ 77°14′15″ — NC-MAR-P-7 35°51′20″ 77°03′50″ — NC-MAR-T-2 35°43′35″ 76°52′30″ — NC-WAS-P-8 35°51′45″ 76°39′40″ — NC-WAS-OT-2 35°43′30″ 76°37′30″ — NC-WAS-T-11 35°49′40″ 76°28′40″ — NC-DA-OT-14 35°51′50″ 75°55′30″ — NC-DA-OT-13 35°53′00″ 74°40′15″

POST—MIOCENE ROCKS
ROCKS OF LATE MIOCENE AGE
ROCKS OF MIDDLE MIOCENE AGE
ROCKS OF OLIGOCENE AGE
ROCKS OF CLAIBORNE AGE
ROCKS OF SABINE 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
CRETACEOUS AND LATE JURASSIC(?)—UNIT H
BASEMENT ROCKS

TD 242 (NC-ED-P-2) · TD 458 (NC-PI-T-2) · TD 303 (NC-MAR-P-9) · TD 605 (NC-MAR-P-7) · TD 935 (NC-MAR-T-2) · TD 210 (NC-WAS-P-8) · TD 2674 (NC-WAS-OT-2) · TD 449 (NC-WAS-T-11) · TD 5136 (NC-DA-OT-14) · TD 6282 (NC-DA-OT-13)

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 (P) · Chert · Lignite (L)
Glauconite (G) · Fragmentary dolomite · Feldspar (F) · Fragmentary basement · Diatoms (D)
Mica (M) · Fragmentary chalk · Calcareous sediment · Siderite (S) · Abundant microfauna
Fragmentary limestone · Phosphate (P) · Limonite (L) · Hematite (H) · 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: Chalcedony occurs in sands of unit E in PI-T-2. Asphalt occurs at 5100 ft in unit G in DA-OT-13. Post-Miocene clay in MAR-T-2 is white

GEOLOGIC CROSS-SECTION *F–F′* FROM PINETOPS WELL, EDGECOMBE COUNTY, N. C., TO MARSHALL COLLINS WELL 1, DARE COUNTY, N. C.

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