



Selected Pertinent Publications:

Brown, P. M., Miller, J. A., and Swain, F. M., 1972, "Structural and Stratigraphic Framework, and Spatial Distribution of Permeability of the Atlantic Coastal Plain, North Carolina to New York," U. S. Geol. Survey Prof. Paper 796, 79 p.

Jordan, R. R., 1962, "Stratigraphy of the Sedimentary Rocks of Delaware," Delaware Geol. Survey Bull. 9, 51 p.

Maier, J. C., 1965, "Correlation of Subsurface Mesozoic and Cenozoic Rocks along the Atlantic Coast," Am. Assoc. Petroleum Geologists, 18 p.

\_\_\_\_\_, 1971, "Geologic Framework and Petroleum Potential of the Atlantic Coastal Plain and Continental Shelf," U. S. Geol. Survey Prof. Paper 659, p. 1-98.

Murray, G. E., 1961, "Geology of the Atlantic and Gulf Coastal Provinces of North America," Harper and Brothers, New York, 692 p.

Spangler, W. B., and Peterson, J. J., 1950, "Geology of Atlantic Coastal Plain in New Jersey, Delaware, Maryland, and Virginia," Am. Assoc. Petroleum Geologists Bull., v. 34, p. 1-99.

Spoljaric, N., Jordan, R. R., and Sheridan, R. E., "Possible Relationship of ERTS-1 Lineaments to Cenozoic Tectonics of the Area of the Delmarva Peninsula," Photogrammetric Engineering and Remote Sensing (in press).

Stratigraphic interpretations were provided by the U. S. Geological Survey and were originally used in the study of Brown, Miller, and Swain (1972). The structural interpretations are based on lateral relationships of individual time-stratigraphic units and ERTS-1 imagery. Some of the postulated faults seen to cut through the underlying Mesozoic sediments and possibly extend into the crystalline basement complex.

**GEOLOGIC CROSS — SECTIONS**  
Cenozoic sediments of the  
**Delmarva Peninsula and adjacent area**  
by  
Nenad Spoljaric  
1975

ERA	SERIES	STAGE	SYMBOL	LITHOLOGY
CENOZOIC	HOLOCENE		Q	Sand, fine to coarse and clay, brown and yellow; locally abundant gravel
		(Late)	M <sub>l</sub>	Sand, fine to coarse, micaceous with some shells and lignite, and clay, gray, shelly
CENOZOIC	MIOCENE	(Middle)	M <sub>m</sub>	Clay, green to brown commonly diatomaceous, rarely glauconitic, and sand, medium, shelly and phosphatic
		Jackson	E <sub>j</sub>	Clay, glauconitic, green to gray, and sand, fine to medium, glauconitic
CENOZOIC	EOCENE	Clairborne	E <sub>c</sub>	Clay, micaceous, gray to green, and sand, medium, glauconitic, slightly shelly
		Sabine	E <sub>s</sub>	Sand, fine to medium, silty, glauconitic, and clay, green to gray
CENOZOIC	PALEOCENE	Midway	P <sub>m</sub>	Clay, glauconitic, green to gray, and some sand, medium

