

**MARYLAND GEOLOGICAL SURVEY**Emery T. Cleaves, Ph.D., *Director*2300 St. Paul St., Suite 440  
Baltimore, MD 21218—5210 (410) 554-5504

The first State Geological Survey operated from 1834 to 1841. Fifty-five years later, the State Geological and Economic Survey was established in 1896 (Chapter 51, Acts of 1896). The work of the Survey was placed under the Department of Geology, Mines, and Water Resources in 1941 (Chapter 508, Acts of 1941). In 1964, the Maryland Geological Survey superseded the Department of Geology, Mines, and Water Resources (Chapter 73, Acts of 1964). The Survey became part of the Department of Natural Resources in 1969 (Chapter 154, Acts of 1969).

The Survey researches the geology, water and mineral resources of the State so this knowledge can be applied to resolve practical problems related to environmental and natural resources. Publication of maps and technical reports are the primary means of relaying this information to the public, private industry, and local, State and federal government agencies. The Survey periodically publishes *County Reports*, *County and Quadrangle Atlases*, *Reports of Investigations*, *Basic Data Reports*, *Bulletins*, *Educational Series*, and *Information Circulars*. The Survey also publishes county topographic and geologic maps, a State geologic map, and other maps and charts.

The Survey researches and investigates coastal and estuarine geology related to erosion and sedimentation in the Chesapeake Bay and along the ocean shoreline. A 42-foot research vessel, the *RV Discovery*, is used for Bay research projects. As part of its applied earth science research on the Bay, the Survey was one of the principal investigators on the Chesapeake Bay Program of the U.S. Environmental Protection Agency (EPA). The Survey's work is carried out by three programs: Hydrogeology and Hydrology; Environmental Geology and Mineral Resources; and Coastal and Estuarine Geology.

The Survey is headed by the Director, who is appointed by the Governor upon recommendation of the Secretary of Natural Resources (Code Natural Resources Article, secs. 2-201 through 2-203).

**LAND RECLAMATION COMMITTEE**

*Chairperson:* Emery T. Cleaves, Ph.D., Director,  
Maryland Geological Survey  
Anthony F. Abar, *Executive Secretary*

c/o Bureau of Mines  
160 South Water St.  
Frostburg, MD 21532 (301) 689-6104

The Land Reclamation Committee was formed in 1967 (Chapter 144, Acts of 1967). The Committee studies, recommends, and approves proce-

dures to reclaim, conserve, and replant land affected by open-pit coal mining in Maryland. The Committee reviews mining and reclamation plans, progress reports, and final reports. It establishes plans and procedures, as well as practical guidelines, for prompt and sufficient reclamation, conservation, and revegetation of all lands disturbed by open-pit mining of bituminous coal within the State.

The Committee consists of thirteen members. The Governor appoints four members to three-year terms: two mining industry representatives, appointed with Senate advice and consent; one Allegany County Planning and Zoning Commission member, recommended by the Allegany County Commissioners and appointed with Senate advice and consent; and one Garrett County Planning Commission member, recommended by the Garrett County Commissioners and appointed with House of Delegates advice and consent. The Secretary of Natural Resources appoints six members: an Allegany County resident and a Garrett County resident, each without any interests in any mining operation, to serve three-year terms; and four members of the Department of Natural Resources, including the Committee chairperson. One member of the Department of the Environment is appointed by the Secretary of the Environment. The Soil Conservation Districts of Allegany County and Garrett County are each represented on the Committee (Code Natural Resources Article, secs. 7-205, 7-501 through 7-505, 7-509, 7-510, 7-515).

**STATE MAPPING COMMITTEE**

Emery T. Cleaves, Ph.D., *Chairperson*  
(410) 554-5504

The State Mapping Committee originated in 1976 as the State Topographic Mapping Committee formed by the Secretary of Natural Resources. In 1988, the Committee received its present name.

The Committee reviews topographic map coverage of the State and evaluates present scales of mapping. Priorities for revised and new maps are determined by the Committee and recommended to the U.S. Geological Survey. The Committee also examines and evaluates the utility of new map presentations, such as orthophoto maps and slope maps. In addition, the Committee receives reports from the U.S. Geological Survey on the status of mapping in Maryland; makes recommendations for map funding and revision; and considers computer mapping techniques and methods of developing Geographic Information Systems (GIS).

The Committee includes representatives from the Department of the Environment, Department of Natural Resources, Maryland Agricultural Land Preservation Foundation, State Archives, State Department of Assessments and Taxation, State Highway Administration, Office of Planning, Salisbury State University, Towson State University, Maryland-Na-