

such other maps as may be necessary to meet a specific need. Reports on the extent and character of the State's mineral and water resources are prepared by the Department. In cooperation with the United States Government, surveys of the water resources of the State are made. The agency investigates and recommends plans and policies for the protection of the State's waterfront and waterways against erosion. The Department has the further power to control and to conserve, in so far as is practicable, the surface and underground waters of Maryland; and to that end has jurisdiction over the construction and repairs of reservoirs, dams, and other water-way obstructions. In this regard, the Department works in cooperation with the Bureau of Sanitary Engineering of the State Department of Health. In order to carry out this function, the Department licenses all water well drillers in the State and issues a permit for each well to be drilled. The Commission also has the power to promulgate and enforce such rules as may be necessary to conserve the State's water resources (Code 1947 Supp., Art. 19A, secs. 12A-12C and Art. 96B).

Expenditures, 1949 (Geologic and Water Resources only)	\$101,313.88
Appropriation, 1950 (Geologic and Water Resources only)	104,267.00
Staff: (Geologic and Water Resources only):	34.

BUREAU OF MINES

Frank J. Powers, Director

John J. Rutledge, Chief Consultant

City Building, Westport

Telephone: Westport 4031

The first Mine Inspectors were appointed by the Governor in 1878 serving in Allegany and Garrett Counties. These inspectors functioned independently, reporting only to the Governor, until 1916 when they were placed within the Department of Labor and Statistics. The inspection powers became a function of the Bureau of Mines upon its organization in 1922 as a unit of the Department of Labor and Statistics. Upon the organization of the Board of Natural Resources in 1941, the Bureau was transferred to the newly-created Department of Geology, Mines and Water Resources (Code 1947 Supp., Art. 89, sec. 17). The Bureau of Mines is responsible for the inspection of all mines within the State in order to maintain proper sanitation, ventilation, and safety standards in all mining operations. The Bureau has further jurisdiction over the weighing of all coal mined in the State (Code 1939, Art. 89, sec. 156). All persons or corporations engaging in open-pit or strip mining operations are required to register with the Bureau previous to the beginning of their operations and to report periodically during such operations. Upon the completion of such mining operations, the cuts must be so covered as to make possible the reclamation of the land (Code 1947 Supp., Art. 89, secs. 180-192). The Bureau of Mines examines all applicants for certificates of competency as mine foremen, assistant mine foremen, and fire bosses. The Bureau of Mines in cooperation with the University of Maryland and the Boards of Education for Allegany and Garrett counties conducts classes in mining operations throughout the Western part of the State. The Bureau, under the Act of 1949, is required to

*Employees working on Water Resources Survey are under jurisdiction of the federal government.