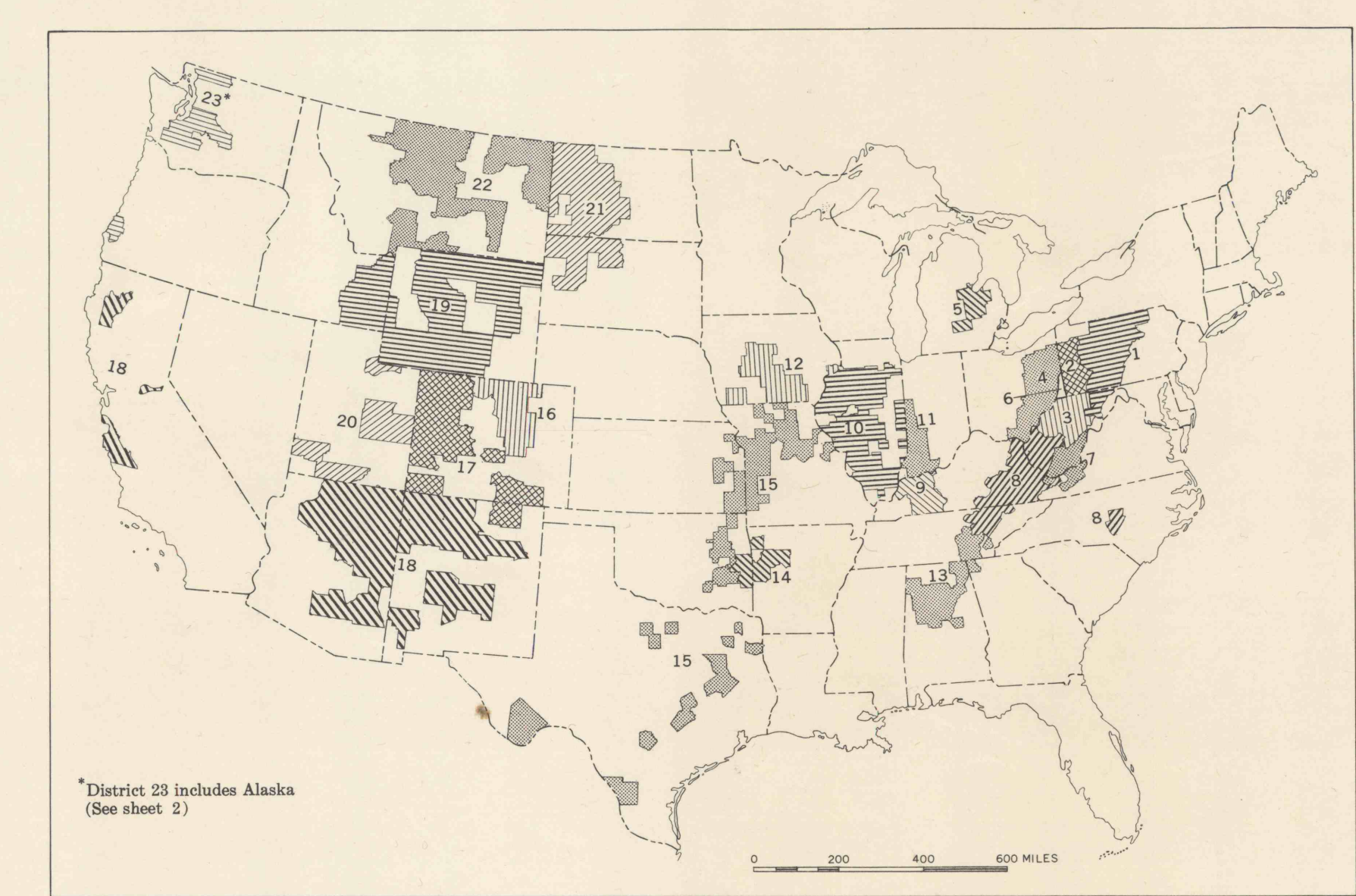
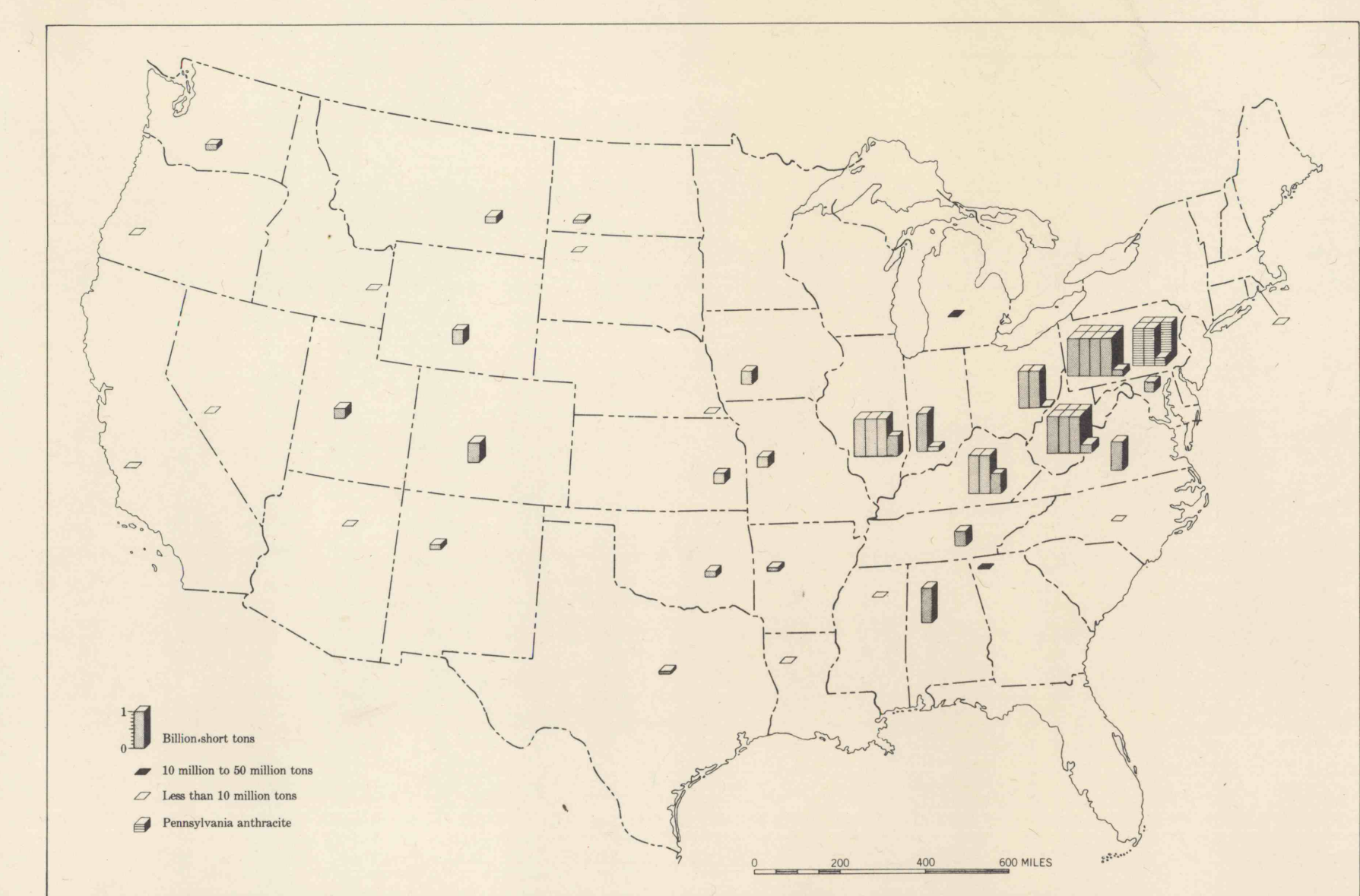
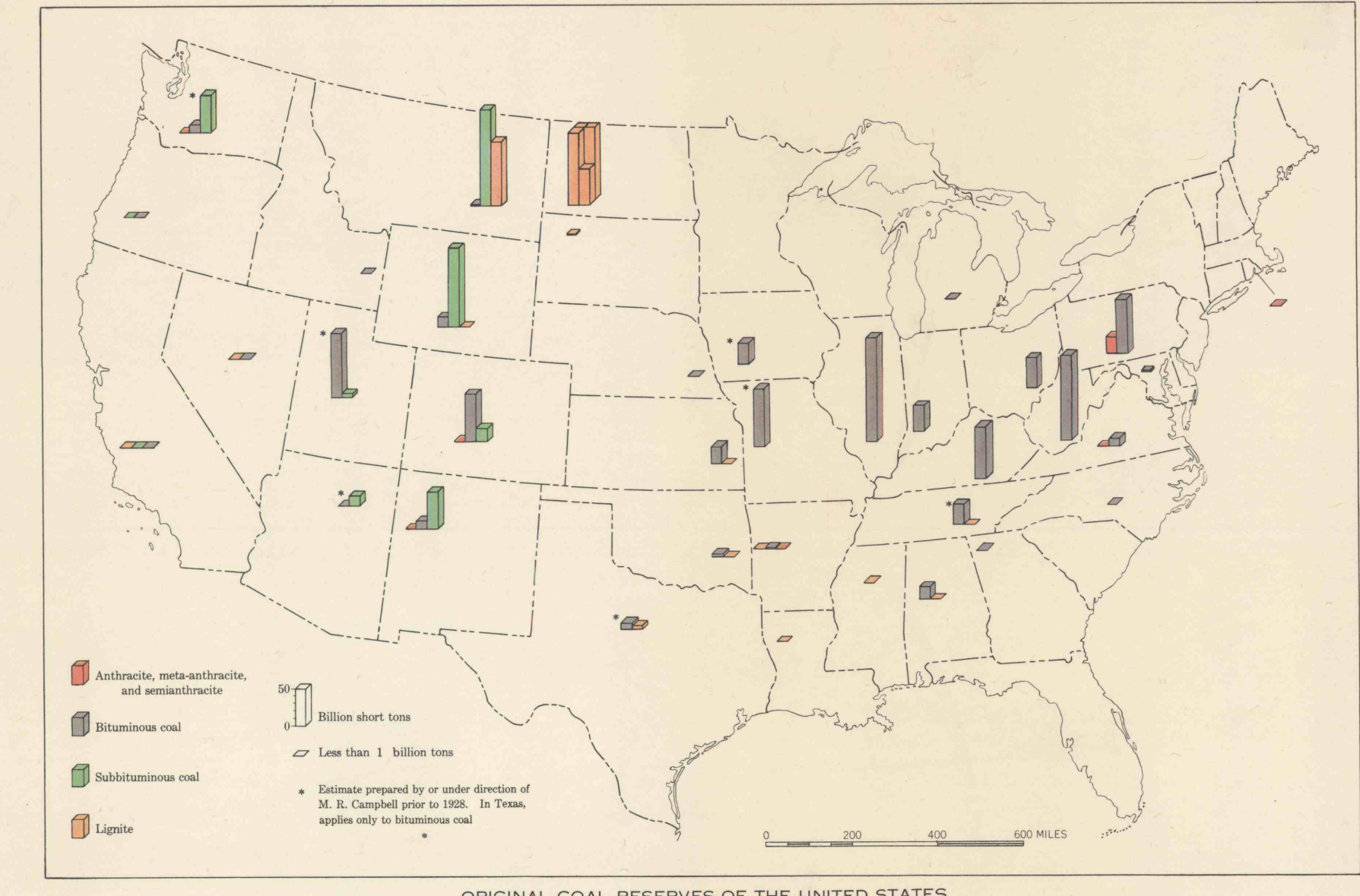


COAL FIELDS OF THE UNITED STATES
SHEET 1
By James Trumbull
(Coal fields of Alaska are shown on sheet 2.)
SCALE 1:5,000,000
Approximately 1 inch to 80 miles
1960



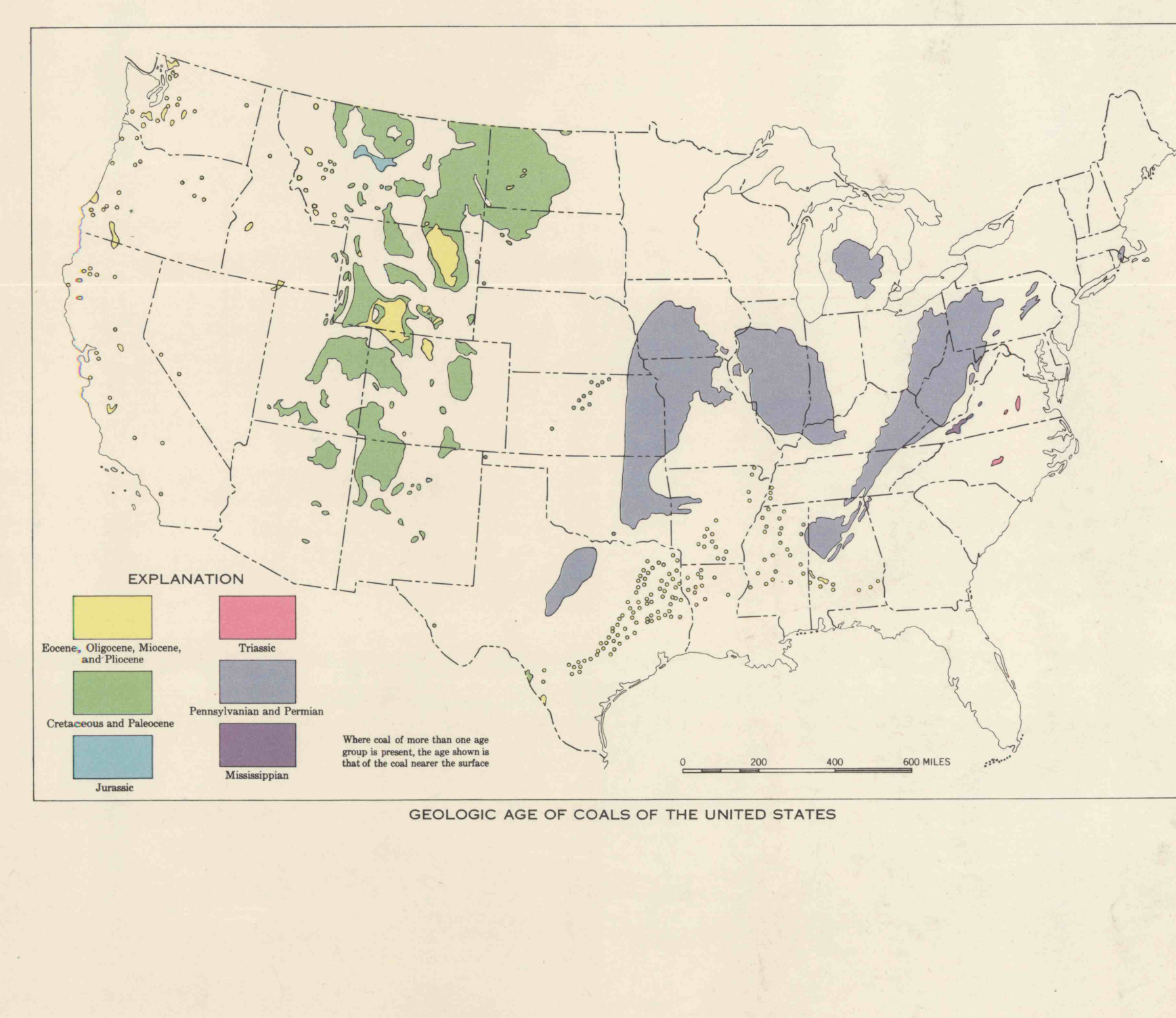
EXPLANATION

	Anthracite, semianthracite, and meta-anthracite		Subbituminous coal
	Low-rank bituminous coal		Lignite and brown coal
	Medium and high-rank bituminous coal		Coking coal (not coked at the present time or coked in the past)

Deep color represents areas known to contain coal beds that are of commercial value at the present time or that may be of value in the future. In general the minimum thicknesses included are 14 inches for anthracite and bituminous coal, and 30 inches for subbituminous coal and lignite.

Light color represents areas of doubtful value for coal. These may be divided into three classes: (1) areas containing thin or irregular beds, which generally have little or no value, but which locally may be thick enough to mine; (2) areas in which the coal is poor in quality; and (3) areas where information on the thickness and quality of coal beds is meager or lacking.

Light color and stippling denote that the coal-bearing formations are under cover which may range from a few hundred to several thousand feet.



SELECTED REFERENCES

Most of the following reports are summaries of available information on the occurrence of coal in the various States, and contain numerous references to detailed reports on individual coal-bearing areas. For those States lacking adequate summary reports, several references to the detailed geologic literature are listed.

ALABAMA
Barkdale, John, 1929. Lignite in Alabama. Alabama Geol. Survey Bull. 23, 16 p.

ARIZONA
Huddle, J. W., 1947. The coal fields of Arizona. In *Analysis of Arizona, California, Idaho, Nevada, and Oregon coals*. U. S. Bur. Mines Tech. Paper 496, p. 1-4.

ARKANSAS
Haley, B. H., in preparation. Coal resources of Arkansas. U. S. Geol. Survey Bull. 1072-C, 3 p.

CALIFORNIA
Andrews, D. A., 1947. The coal fields of California. In *Analysis of Arizona, California, Idaho, Nevada, and Oregon coals*. U. S. Bur. Mines Tech. Paper 496, p. 5-8.

IDAHO
Andrews, D. A., 1947. The coal fields of Idaho. In *Analysis of Arizona, California, Idaho, Nevada, and Oregon coals*. U. S. Bur. Mines Tech. Paper 496, p. 9-4.

ILLINOIS
Cady, G. H., and others, 1932. Mineable coal reserves of Illinois. Illinois Geol. Survey Bull. 75, 128 p.

INDIANA
Spencer, F. P., 1933. Coal resources of Indiana. U. S. Geol. Survey Circ. 256, 17 p.

IOWA
Averitt, Paul, 1943. Iowa coal fields. In *Analysis of Iowa coals*. U. S. Bur. Mines Tech. Paper 395, p. 1-4.

KANSAS
Akers, G. E., Jewett, J. M., and Schwan, W. H., 1947. Coal resources of Kansas. Kansas Geol. Survey Bull. 96, pp. 1-20.

KENTUCKY
Huddle, J. W., Lyons, E. J., Smith, H. L., and Fern, J. C., 1932. Coal resources of eastern Kentucky. U. S. Geol. Survey Bull. (in preparation).

LOUISIANA
McPherson, A. C., 1934. Kentucky coal. In *Analysis of Kentucky coals*. U. S. Bur. Mines Tech. Paper 462, p. 1-12.

MAINE
Maguire, D. P., and Aycock, L. C., 1944. Louisiana lignite. Louisiana Geol. Survey Pamph. No. 3, 94 p.

MARYLAND
Clark, W. B., and others, 1930. Report on the coals of Maryland. Maryland Dept. Geology, Mines, and Water Resources, v. 5, p. 4.

MISSISSIPPI
Smith, W. H., 1937. Mississippi coal reserves of Illinois. Part 1. Gallatin, Hartley, Alabama, Pine, Galena, and Williams Counties. Illinois Geol. Survey Circ. 225, 29 p.

MISSOURI
Huddle, J. W., 1947. The coal fields of Missouri. Missouri Geol. Survey Bull. 146, 100 p.

NEBRASKA
Pepperberg, E. V., 1930. Coal in Nebraska. Nebraska Geol. Survey, v. 3, p. 10, p. 215-297.

NEVADA
Hendricks, T. A., 1947. The coal fields of Nevada. In *Analysis of Arizona, California, Idaho, Nevada, and Oregon coals*. U. S. Bur. Mines Tech. Paper 496, p. 5.

NEW MEXICO
Read, C. H., Duffen, R. T., Wood, G. H., Jr., and Zapp, A. D., 1950. Coal resources of New Mexico. U. S. Geol. Survey Circ. 89, 24 p.

NORTH CAROLINA
Rehmann, J. A., 1932. Geology of the Deep River and field, North Carolina. U. S. Geol. Survey Prof. Paper 244, 149 p.

NORTH DAKOTA
Brent, R. A., 1933. Lignite resources of North Dakota. U. S. Geol. Survey Circ. 228, 78 p.

OHIO
Brenner, J. A., 1918. The coal fields of Ohio. U. S. Geol. Survey Prof. Paper 150, 18 p.

OKLAHOMA
Trumbull, James, 1937. Coal resources of Oklahoma. U. S. Geol. Survey Bull. 1042, 31 p.

OREGON
Mason, R. S., and Erwin, M. L., 1935. Coal resources of Oregon. U. S. Geol. Survey Circ. 262, 7 p.

PENNSYLVANIA
Ashley, G. H., 1934. Pennsylvania mineral heritage, Pt. 2. Mineral resources. Pennsylvania State Dept. Internal Affairs, Harrisburg, p. 75-85.

TEXAS
Sellers, E. H., and Baker, C. L., 1934. The geology of Texas, v. 2. Structural and economic geology. Bur. Econ. Geology, Texas Univ. Bull. 340, p. 201-252.

VIRGINIA
Brown, Andrew, Berryhill, H. L., Taylor, D. A., and Trumbull, J. V., 1952. Coal resources of Virginia. U. S. Geol. Survey Circ. 171, 47 p.

WEST VIRGINIA
Notling, J. P., Jr., 1940. Description of the available coal seams, Pt. 1. of Hedden, A. J. W., and Notling, J. P., Jr., Characteristics of mineable coals of West Virginia. West Virginia Geol. Survey, v. 13, (See also West Virginia Geol. Survey reports on individual coals).

WASHINGTON
Ash, S. H., 1931. The coal fields of Washington. In *Analysis of Washington coals*. U. S. Bur. Mines Tech. Paper 493, p. 1-11.

WYOMING
Berryhill, H. L., Brown, D. M., Brown, B. N., and Conley, J. A., 1951. Coal resources of Wyoming. U. S. Geol. Survey Circ. 81, 78 p.

UTAH
Spicer, E. M., 1925. Geology of the coal fields. In *Analysis of Utah coals*. U. S. Bur. Mines Tech. Paper 345, p. 13-22.

UTAH
Wynneman, C. H., 1933. The Coalville coal field, Utah. U. S. Geol. Survey Bull. 841, 6 p.

VERMONT
Hunt, C. B., and others, 1933. The Coalville coal field, Utah. U. S. Geol. Survey Prof. Paper 228, p. 21-22.

WEST VIRGINIA
Berryhill, H. L., Brown, D. M., Brown, B. N., and Taylor, D. A., 1950. Coal resources of West Virginia. U. S. Geol. Survey Circ. 81, 78 p.

WISCONSIN
Greeley, H. E., 1930. The coal fields of Wisconsin. U. S. Geol. Survey Prof. Paper 244, 149 p.

WYOMING
Brown, D. M., 1932. Lignite resources of South Dakota. U. S. Geol. Survey Circ. 109, 18 p.

GENERAL
Lusher, E. T., 1933. The coal resources of Tennessee. Tennessee Div. Geology Bull. 63, 23 p.

BITUMINOUS COAL
Cherry, C. C., 1932. The northern Tennessee coal field. Tennessee Div. Geology Bull. 33, 8, 43 p.

BITUMINOUS COAL
Whitely, W. J., Jewell, J. L., and Lusher, E. T., 1936. Pennsylvania geology of the Cumberland Plateau. Tennessee Div. Geology, 60 p.

LIGNITE
Bren, K. E., 1936. Summary of the mineral resources of Tennessee. Tennessee Div. Geology, Resource of Tenn., 51, ser. p. 68.

Tennessee State Planning Commission, 1943. Industrial resources of Tennessee, revised ed., v. 2. Forests, agriculture, minerals. Tennessee State Planning Comm. Pub. No. 188, 100 p.

GENERAL
Sellers, E. H., and Baker, C. L., 1934. The geology of Texas, v. 2. Structural and economic geology. Bur. Econ. Geology, Texas Univ. Bull. 340, p. 201-252.

LIGHT
Purkin, J. M., and Louville, J. T., 1935. Mineable resources of Texas coal fields. Preliminary report. Bur. Econ. Geology, Texas Univ. Paper for Bur. of Reclamation, U. S. Dept. of the Interior, June 20, 1935.

UTAH
Spicer, E. M., 1925. Geology of the coal fields. In *Analysis of Utah coals*. U. S. Bur. Mines Tech. Paper 345, p. 13-22.

VERMONT
Hunt, C. B., and others, 1933. The Coalville coal field, Utah. U. S. Geol. Survey Prof. Paper 228, p. 21-22.

WEST VIRGINIA
Berryhill, H. L., Brown, D. M., Brown, B. N., and Taylor, D. A., 1950. Coal resources of West Virginia. U. S. Geol. Survey Circ. 81, 78 p.

WISCONSIN
Greeley, H. E., 1930. The coal fields of Wisconsin. U. S. Geol. Survey Prof. Paper 244, 149 p.

WYOMING
Brown, D. M., 1932. Lignite resources of South Dakota. U. S. Geol. Survey Circ. 109, 18 p.

GENERAL
Lusher, E. T., 1933. The coal resources of Tennessee. Tennessee Div. Geology Bull. 63, 23 p.

BITUMINOUS COAL
Cherry, C. C., 1932. The northern Tennessee coal field. Tennessee Div. Geology Bull. 33, 8, 43 p.

BITUMINOUS COAL
Whitely, W. J., Jewell, J. L., and Lusher, E. T., 1936. Pennsylvania geology of the Cumberland Plateau. Tennessee Div. Geology, 60 p.

LIGNITE
Bren, K. E., 1936. Summary of the mineral resources of Tennessee. Tennessee Div. Geology, Resource of Tenn., 51, ser. p. 68.

