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February, 2015

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BULLETINS

1. **Cement and Portland Cement Materials of Mississippi:** Albert F. Crider, 73 p., 1907. \$2.00
Information on the cement industry and its history, the classification of cements, the raw materials, and methods of manufacture; the Portland cement materials of Mississippi: Devonian, Carboniferous, Tuscaloosa, Selma, Porters Creek, Jackson, Vicksburg.
2. **Clays of Mississippi. Part I, Brick Clays and Clay Industry of Northern Mississippi:** William N. Logan, 255 p., 1907. \$2.00
Origin and classification of clay; chemical properties; physical properties; processes of clay manufacture; fuel; properties of brick; imperfections of brick; geology of Mississippi clays; clays of northern Mississippi by counties.
- *3. **The Lignite of Mississippi:** Calvin S. Brown, 71 p., 1907.
A report on lignites in general and in Mississippi, on localities by counties, on analyses, and on uses. Not available
- *4. **Clays of Mississippi. Part II, Brick Clays and Clay Industry of Southern Mississippi:** William N. Logan, 72 p., 1908. Not available
- *5. **A Study of Forest Conditions of Southwestern Mississippi:** The United States Forest Service (cooperating): J. S. Holmes and J. H. Foster, 56 p., 1908. Not available
- *6. **The Pottery Clays of Mississippi:** William N. Logan, 221 p., 1909, 2nd ed. 1914. Not available
- *7. **Preliminary Examination of the Forest Conditions of Mississippi:** C. E. Dunston, 76 p., 1910. Not available
- *8. **A Preliminary Study of Soils of Mississippi:** E. N. Lowe, 220 p., 1911. Not available
9. **The Structural Materials of Mississippi:** William N. Logan, 78 p., 1911. \$2.00
The structural materials of Mississippi, limestones, sandstones, sand, chert, and gravel, are treated according to geological formations and by counties. An Appendix by E. N. Lowe was published in 1913.
10. **Preliminary Report on Iron Ores of Mississippi:** E. N. Lowe, 70 p., 1913. \$2.00
Iron ores discussed in general and in Mississippi by localities.
- *11. **Forest Conditions of Mississippi, being a reprint with additions of Bulletins nos. 5 and 7:** 166 p., 1913. Not available
- *12. **Mississippi, Its Geology, Geography, Soils and Mineral Resources:** E. N. Lowe, 335 p., 1915. Not available
- *13. **Preliminary Report on the Marls and Limestone of Mississippi:** William N. Logan, 82 p., 1916. Not available
- *14. **Mississippi, Its Geology, Geography, Soil and Mineral Resources: A revision with additions of Bulletin No. 12:** E. N. Lowe, 346 p., 1919. Not available
- *15. **Oil and Gas Prospecting in Mississippi:** E. N. Lowe, 80 p., 1919. Not available
- *16. **Road-Making Materials of Mississippi:** E. N. Lowe, 139 p., 1920. Not available
- *17. **Plants of Mississippi, A List of Flowering Plants and Ferns:** E. N. Lowe, 293 p., 1921. Not available

- *18. **A Questionnaire on the Mineral Resources of Mississippi and the Work of the State Geological Survey:** E. N. Lowe, 32 p., 1923. Not available
- *19. **The Bauxite Deposits of Mississippi:** Paul F. Morse, 208 p., 1923. Not available
- *20. **Geology and Mineral Resources of Mississippi:** E. N. Lowe, 140 p., 1925. Not available
- *21. **Recent Oil and Gas Prospecting in Mississippi, with a Brief Study of Subsurface Geology:** Ralph E. Grim, 98 p., 1928. Not available
- *22. **Preliminary Report on Bentonite in Mississippi:** Ralph E. Grim, 14 mimeographed pages, 1928. Not available
- *22a. **A Supplementary Report on Bentonite in Mississippi:** Hugh McD. Morse, 32 mimeographed pages, 1934. Not available
23. **Paleozoic Rocks:** William C. Morse, 212 p., 1930. \$5.00
A stratigraphic and paleontological report on all the outcropping Paleozoic rocks of Mississippi, which are confined to Tishomingo County.
- *24. **A Series of Papers Presented by the State Geological Survey at a Meeting of the Institute on Mississippi Affairs:** E. N. Lowe, 33 mimeographed pages, 1933. Not available
Reports on: Soil erosion, by W. E. Tharp; The development of mineral resources, by G. I. Adams; Mineral Resources of Mississippi, by E. N. Lowe; Hydro-electric power and the development of industries, by B. E. Eaton; The climate of Mississippi, by W. L. Kennon.
25. **Coastal Plain Stratigraphy of Mississippi:** Lloyd W. Stephenson, C. Wythe Cooke, and E. N. Lowe. \$2.00
Part One, Midway and Wilcox Groups: E. N. Lowe, 125 p., 1933. A report on the Midway: Clayton, Porters Creek; on the Wilcox: Ackerman, Holly Springs, Bashi, Hatchetigbee, Grenada. E. N. Lowe did not live to publish Part Two and following parts.
- *26. **The Highland Church Sandstone as a Building Stone:** William C. Morse, 30 p., 1935. Not available
- *27. **Geologic Conditions Governing Sites of Bridges and Other Structures:** William C. Morse, 20 p., 1935. Not available
28. **The Geologic History of the Vicksburg National Military Park Area:** William C. Morse, 20 p., 1935. \$2.00
An educational bulletin exemplifying how the rugged loess topography determined the disposition of the troops, the commands of the opposing generals notwithstanding.
- *29. **A Preliminary Investigation of the Bleaching Clays of Mississippi:** Harry X. Bay, 62 p., 1935. Not available
- *30. **The Eocene Sediments of Mississippi:** Ralph E. Grim, 240 p., 1936. Not available
- *31. **The Tupelo Tornado:** William C. Morse, 32 p., 1936. Not available
32. **Tishomingo State Park:** Geologic history, by William C. Morse; Botany, by Calvin S. Brown, 77 p., 1936. \$2.00
A geologic history of the area; a list and description of the plants of the area. A second, enlarged, edition of the Botany section, 68 p., was published separately in 1945; \$2.00.

33. **The Geologic History of Tombigbee State Park:** William C. Morse, 22 p., 1936. \$2.00
A geologic history of the park in Lee County near Tupelo.
34. **The Little Bear Residuum:** Frederic F. Mellen, 36 p., 1937. \$2.00
A report emphasizing the importance of recognizing the full import of a residual blanket.
35. **The Geologic History of Legion State Park:** William C. Morse, 17 p., 1937. \$2.00
An educational park bulletin giving the ancient and recent geologic history of an area modified by landslides.
36. **The Jackson Gas Field and the State Deep Test Well:** Watson H. Monroe and Henry N. Toler, 52 p., 1937. \$2.00
The history of the Jackson gas field is especially interesting because Eugene W. Hilgard recognized and described the dome in 1860 at the same time Colonel Drake was drilling the first oil well in the world on Oil Creek in Pennsylvania. The report also describes in detail the beds penetrated in the deep test well.
37. **The Geologic History of Magnolia State Park:** William C. Morse, 19 p., 1938. \$2.00
An educational bulletin on the last remaining Gulf Coast natural bayou; the importance of keeping it and its plant and animal life in the natural state; and the excellence of the bayou as a site for a marine laboratory.
38. **Winston County Mineral Resources:** Geology, by Frederic F. Mellen; Tests, by Thomas E. McCutcheon, 169 p., 1939. \$2.00
A field report on the stratigraphy and mineral resources of the county and the fitness of these minerals, especially clays, for certain uses.
39. **Yazoo County Mineral Resources:** Geology, by Frederic F. Mellen; Tests, by Thomas E. McCutcheon, 132 p., 1940. \$2.00
A report on the purely scientific stratigraphic study of the county that led to the discovery of the Tinsley Dome, eventually to the drilling of the first commercial oil well in the state, and a report on the tests of the clays.
40. **The Upper Cretaceous Deposits:** Lloyd W. Stephenson and Watson H. Monroe, 296 p., 1940. Reprinted 1959. \$2.00
A report on the stratigraphy and paleontology of the outcropping Upper Cretaceous beds in Mississippi.
- *41. **Lauderdale County Mineral Resources:** Geology, by V. M. Foster; Tests, by Thomas E. McCutcheon, 245 p., 1940. Not available
42. **Tippah County Mineral Resources:** Geology, by Louis C. Conant; Tests, by Thomas E. McCutcheon, 228 p., 1941. \$2.00
A stratigraphic and economic geology report of the county; results of the tests of the minerals - especially on the Porters Creek clay, which was tested for use as lightweight aggregate for concrete.
- *43. **Warren County Mineral Resources:** Geology, by Frederic F. Mellen; Tests-Clays, by Thomas E. McCutcheon; Tests-Marls and Limestones, by Malcolm R. Livingston, 140 p., 1941. Not available
44. **Forrest County Mineral Resources:** Geology, by Vellora M. Foster; Tests, by Thomas E. McCutcheon, 87 p., 1941. \$2.00
A stratigraphic and economic study of Forrest County. This report was almost completed at the time of the author's untimely death.

45. **Union County Mineral Resources:** Geology, by Louis Cowles Conant; Tests, by Thomas Edwin McCutcheon, 158 p., 1942. \$2.00
A report on the topographic, stratigraphic, and economic geology of the county and on the results of the tests of the minerals.
46. **Mississippi Agricultural Limestone:** Frederic Francis Mellen, 20 p., 1942. \$2.00
A report on the limestones of the state suitable for agricultural fertilizer; largely a report of the author's earlier studies.
47. **Adams County Mineral Resources:** Geology, by Franklin E. Vestal; Tests, by Thomas E. McCutcheon, 200 p., 1942. \$2.00
A physiographic, stratigraphic, structural, and economic report on the county, in which the Cranfield area was described and recommended a year before the first successful oil well was drilled; a report on the tests of the economic minerals.
48. **The Claiborne:** Emil P. Thomas, 96 p., 1942. \$2.00
A purely stratigraphic report on the Claiborne Group from the Alabama line to the Mississippi River Bluffs.
49. **Scott County:** Geology, by Harlan R. Bergquist; Tests, by Thomas E. McCutcheon; Fossils, by Harlan R. Bergquist, 282 p., 1942. \$2.00
A report on the stratigraphic and economic geology of the county and on the laboratory tests of the minerals; also a report on the microfossils (Foraminifera and Ostracoda) of the Jackson formation - drawings by Mary L. Pegues.
- 49-F. **Scott County, Fossils:** Jackson Foraminifera and Ostracoda: Harlan R. Bergquist, 146 p., 1942. \$2.00
50. **Tallahatchie County Mineral Resources:** Geology, by Richard R. Priddy; Tests, by Thomas E. McCutcheon, 157 p., 1942. \$2.00
A report on the stratigraphic and structural geology of the county and on the tests of the excellent bond, brick, and tile clays.
51. **Montgomery County Mineral Resources:** Geology, by Richard R. Priddy; Tests, by Thomas E. McCutcheon, 115 p., 1943. \$2.00
A stratigraphic, structural, and economic report on the county, including the disturbed Kilmichael area, and the results of the tests of the minerals.
52. **Choctaw County Mineral Resources:** Geology, by Franklin E. Vestal; Tests, by Thomas E. McCutcheon, 156 p., 1943. \$2.00
A report on the physiographic, stratigraphic, structural, and economic geology of the county and on the laboratory tests of the clays.
- *53. **Clay County:** Geology, by Harlan R. Bergquist; Tests, by Thomas E. McCutcheon; Fossils, by Virginia H. Kline, 189 p., 1943. Not available
- 53-F. **Clay County, Fossils: Midway Foraminifera and Ostracoda,** by Virginia H. Kline, 98 p., 1943. \$2.00
A separate report covering only the micropaleontological study of Clay County; includes descriptions and illustrations of 110 species and varieties of Foraminifera and 12 species and varieties of Ostracoda.
54. **Pontotoc County Mineral Resources:** Geology, by Richard R. Priddy; Tests, by Thomas E. McCutcheon, 139 p., 1943. \$2.00
A report on the stratigraphic, structural, and economic geology of the county and on the tests of the clays and bauxite of the region.

55. **Geology and Ground-Water Supply at Camp McCain:** Glen F. Brown and Robert W. Adams, 116 p., 1943. \$2.00
A report exclusively on the ground water and aquifers at the camp in Grenada and parts of Montgomery, Calhoun, and Webster counties.
56. **Geology and Ground-Water Supply at Camp Van Dorn:** Glen F. Brown and William F. Guyton, 68 p., 1943. \$2.00
A report exclusively on the ground water and aquifers at the camp in Wilkinson, Amite, and Franklin counties.
- *57. **Monroe County Mineral Resources:** Geology, by Franklin E. Vestal; Tests, by Thomas E. McCutcheon, 218 p., 1943. Not available
58. **Geology and Ground-Water Resources of the Camp Shelby Area:** Glen F. Brown, 72 p., 1944. \$2.00
A report exclusively on the ground water and aquifers in parts of Jones, Wayne, Forrest, Perry, Greene, and George counties.
59. **Mississippi Minerals:** William C. Morse, 13 p., 1944. \$2.00
A list of the economic minerals arranged according to the bulletins in which they had been studied and tested; also a list of the economic products.
- *60. **Geology and Ground-Water Resources of the Coastal Area in Mississippi:** Glen F. Brown and others, 232 p., 1944. Not available
61. **Light-weight Aggregate:** Geology, by William C. Morse; Tests, by Thomas E. McCutcheon and Bernard F. Mandlebaum, 56 p., 1945. \$2.00
A report on the geology of the Porters Creek clay and the Basic City claystone or siltstone and on the laboratory physical tests of the aggregate and concretes.
62. **Rock Wool:** Geology, by William C. Morse; Tests, by Thomas E. McCutcheon, 19 p., 1945. \$2.00
A report on the possible source rocks, primarily the Selma chalk, and on the conclusions of the laboratory tests.
- *63. **Lee County Mineral Resources:** Franklin E. Vestal, 140 p., 1946. Not available
64. **Itawamba County Mineral Resources:** Geology, by Franklin E. Vestal; Tests, by Harry J. Knollman, 151 p., 1947. \$2.00
A report on the stratigraphic, paleontological, structural, and economic geology, especially of the bentonitic and ceramic clays of the county.
65. **Geology and Artesian Water of the Alluvial Plain in Northwestern Mississippi:** Glen F. Brown, 424 p., 1947. \$3.00
An exhaustive report on the geomorphology, stratigraphy, and hydrology of the area.
66. **North Mississippi Floods of February 1948:** Irving E. Anderson and staff, 55 p., 1948. \$2.00
A report on the February 1948 floods of the Tombigbee, Pearl, Big Black, and Yazoo River basins.
67. **Carroll County Geology:** Franklin E. Vestal, 114 p., 1950. \$2.00
A report on climate, physiography, stratigraphy, structure, geologic history, and economic geology.

68. **Surface Waters of Mississippi:** Irving E. Anderson, 338 p., 1950. \$2.00
A summary of stream measurements and surface-water investigations.
69. **Status of Fearn Springs Formation:** Frederic F. Mellen, 20 p., 1950. \$2.00
A review of the use and misuse of the geologic name "Fearn Springs"; a recognition of the formation in well logs and drill cuttings; and the possibility of its being an oil reservoir.
70. **Rate of Depletion of Water-Bearing Sands:** Frederic H. Kellogg, 15 p., 1950. \$2.00
A correction of the formulae for the computation of the rate of ground-water depletion.
- *71. **Lafayette County Geology:** James S. Attaya, 49 p., 1951. Not available
72. **Ground Water Investigations along Bogue Phalia between Symonds and Malvina, Bolivar County:** Tracy W. Lusk, 19 p., 1951. \$2.00
Irrigation of rice fields led directly to the ground-water study of the area.
73. **Webster County Iron Ores:** Franklin E. Vestal, 48 p., 1951. \$2.00
A report of a reconnaissance survey of Webster County and adjoining parts of Choctaw and Montgomery counties, emphasizing the iron ore deposits.
74. **Lafayette County Iron Ores:** James S. Attaya, 26 p., 1952. \$2.00
An inventory of the ore deposits of Lafayette County.
75. **Webster County Geology:** Franklin E. Vestal, 141 p., 1952. \$2.00
A report on the stratigraphy and economic geology of the county.
76. **Yalobusha County Geology:** James Turner, 48 p., 1952. \$2.00
A report on the stratigraphy and economic geology of the county.
77. **Water Levels and Artesian Pressures in Observation Wells in Mississippi, 1938-1952:** Tracy W. Lusk, 65 p., 1953. \$2.00
The paper covers the cooperative ground-water investigations by the State and Federal Surveys during 1938-1947, brief annual reports of which were published as a page or so of a regional report by the Federal Survey, and the investigations by the State Geological Survey during 1948-1952, heretofore unpublished.
78. **Marshall County Geology:** Franklin E. Vestal, 193 p., 1954. \$2.00
This report presents conclusive evidence in solving the "Sand Problem" in Marshall County after decades of study by various geologists.
79. **Lower Cretaceous Stratigraphy of Mississippi:** Jeff D. Nunnally and Henry F. Fowler, 45 p., 1954. \$2.00
A stratigraphic study of the Lower Cretaceous beds that exist only in the subsurface of Mississippi. The bulletin includes 30 plates of structure maps, isopach maps, and structure sections.
80. **Benton County Geology:** Tracy W. Lusk, 104 p., 1956. \$2.00
A report on the surface stratigraphy and economic geology of the county. Minerals discussed are oil and gas, water, iron ore, bauxite, clays (kaolin), and sand.
81. **Panola County Geology:** Franklin E. Vestal, 157 p., 1956. \$2.00
A report on the surface stratigraphy, structure, historical geology, and economic geology of the county. Subjects under economic geology include soils, water, ceramic clay, sand and gravel, lignite, and oil and gas.

82. **Sediments of Mississippi Sound and Inshore Waters:** Richard R. Priddy and others, 54 p., 1955. \$2.00
A report that embraces the geological and chemical study of the uppermost sediments of the Sound floor.
83. **Fresh Water Strata of Mississippi as Revealed by Electrical Log Studies:** Richard R. Priddy, 71 p., 1955. \$2.00
84. **Kemper County Geology:** Richard J. Hughes, Jr., 274 p., 1958. \$2.00
A report primarily on the surface stratigraphy, but with chapters on subsurface stratigraphy, structure, geologic history and depositional conditions, and mineral resources.
85. **Cretaceous Shelf Sediments of Mississippi:** Frederic F. Mellen, 112 p., 1958. \$2.00
A study that deals with the relation of Cretaceous structure to Paleozoic structure, facies changes in the Cretaceous section, useful mapping horizons in the Cretaceous, reconstruction of the pre-Cretaceous or early Cretaceous geomorphology, and determination of the favorability for oil and natural gas in the Cretaceous shelf sediments. The Bulletin also contains a "Discussion on the Foraminifera", by William S. Parks, and a "Discussion on the Ostracoda", by Robert H. Shaver.
- *86. **Mississippi Mineral Resources:** Frederic F. Mellen, 100 p., 1959. Revised, Bulletin 112. Not available
87. **Prentiss County Geology:** William S. Parks; Ground-Water Resources: B. E. Ellison and E. H. Boswell, 154 p., 1960. \$2.00
A study of the surface stratigraphy, structure, historical geology, and mineral resources. Minerals discussed include bentonite, clay, chalk, gravel, oil and gas. A part, prepared by the U. S. Geological Survey, deals with geologic formations and their water-bearing characteristics, and quality of water.
88. **Madison County Geology:** Richard R. Priddy, 123 p., 1960. \$2.00
A report on the physiography, structure, stratigraphy, and economic geology. Subjects under economic geology include oil and gas, ground water, clays, limestone and marls, bentonite, and glauconite.
89. **Geologic Study Along Highway 16 from Alabama Line to Canton, Mississippi:** Bahngrell W. Brown, 52 p., 1960. \$2.00
A study of the geomorphology, stratigraphy, and structure along Mississippi Highway 16, including geological highway profiles.
90. **Public and Industrial Water Supplies in a Part of Northern Mississippi:** Joe W. Lang and Ernest H. Boswell, 104 p., 1960. \$2.00
The report deals with the ground-water and surface-water availability and quality in the area east of and including the counties of Marshall, Tate, Panola, Yalobusha, Webster, Choctaw, Winston, Leake, and the east half of Tallahatchie.
91. **Geologic Study Along Highway 80 from Alabama Line to Jackson, Mississippi:** Richard R. Priddy, 62 p., 1961. \$2.00
A study of the exposed geologic units of the Wilcox, Claiborne and Jackson groups. Highway profiles are used as a base for illustrating the lithologic details.
92. **Calhoun County Geology and Ground-Water Resources:** William S. Parks, 113 p., 1961. \$2.00
A report on the stratigraphy, structure, economic geology, and ground-water resources. Minerals of possible economic importance are sand and sandstone, clay, lignite, iron ore, bauxite,

and oil and gas. The part on ground-water resources includes discussions on the availability, water-bearing units, public water supplies, quality of water, and water levels.

93. **Heavy Minerals of Sand from Recent Beaches of the Gulf Coast of Mississippi and Associated Islands:** Richard D. Foxworth, Richard R. Priddy, Wendell B. Johnson, and Willard S. Moore, 92 p., 1962. \$2.00
The report describes 26 species of heavy minerals and presents analytical data comparing these "heavies" to those of other areas. Origin and concentration of the "heavies" are also discussed.
94. **Geologic Study Along Highway 45 from Tennessee Line to Meridian, Mississippi:** Donald M. Keady, 64 p., 2 figs., 4 pl., 1962. \$2.00
A study of the formations over which Highway 45 is constructed, prepared primarily for engineering geology purposes, in cooperation with the State Highway Department.
95. **Jasper County Mineral Resources:** David A. DeVries et al., 101 p., 21 figs., 8 pl., 2 tables, 1963. \$2.00
A study of the outcropping formations, their characteristics and economic importance. It contains a section on oil and gas production, by Hugh McD. Morse; a section on subsurface stratigraphy, by William H. Moore; and a section on ground-water geology and subsurface structure, by Marshall K. Kern.
96. **The Tula Prospect, Lafayette County, Mississippi:** Frederic F. Mellen and William H. Moore, 29 p., 7 figs., 2 pl., 1962. \$3.00
A study of available geological and geophysical data on an area in Lafayette County thought to be favorable for the accumulation of commercial oil or gas deposits, and a review of the possibilities for Cambrian and pre-Cambrian oil and gas in northern Mississippi.
97. **Mississippi Geologic Research Papers - 1962:** Contains: Economic Potential of Alumina-rich Clays and Bauxite in Mississippi, by Marshall K. Kern; Stratigraphic Implications from Studies of the Mesozoic of Central and Southern Mississippi, by William H. Moore; Land Snails from the Loess of Mississippi, by Leslie Hubricht; Pleistocene Land Snails of Southern Mississippi and Adjacent Louisiana, by Leslie Hubricht; Problem of Desiccation Sinking at Clarksdale, by Tracy W. Lusk; and Geological History and Oil and Gas Possibilities of Mississippi, by E. H. Rainwater, 106 p., 50 figs., 1963. \$2.00
98. **Geologic Study Along Highway 25 from Starkville to Carthage:** Tracy W. Lusk, 48 p., 15 figs., 3 pl., 1963. \$2.00
This is the fourth in a series of geologic studies made by the Survey along State Highways. Beds from Upper Cretaceous to Middle Eocene are profiled and described.
99. **Attala County Mineral Resources:** William S. Parks et al., 192 p., 32 figs., 6 pl., 12 tables, 1963. \$2.00
The report contains additional sections: Attala County ceramic tests, by Thomas E. McCutcheon; Attala County subsurface geology, by William H. Moore; and Water resources of Attala County, Mississippi, by B. E. Wasson.
100. **The Mississippi Geological Survey, a Centennial:** Contains: Report of a Geological Reconnaissance of Parts of the Counties of Yazoo, Issaquena, Washington, Holmes, Bolivar, Tallahatchie, Coahoma, Mississippi, during the Months of October and November 1870, by Eugene A. Smith; History of the Mississippi Geological Survey, by Ephraim N. Lowe; Memorial to Ephraim N. Lowe (1864-1933), by William C. Morse; Address at Recognition Dinner honoring Dr. W. C. Morse and Prof. F. E. Vestal, Upon Their Retirements, by Frederic F. Mellen; Memorial to William Clifford Morse (1874-1962), by Franklin E. Vestal; Employment in the Mining Industry in Mississippi, by William T. Hankins; The Present Course of the Mississippi Geological Survey, by

- Frederic F. Mellen and William S. Parks; The Survey's Enabling Act; List of State Geologists; Index to Bulletins 1-99, by William S. Parks, 183 p., 32 figs., frontispiece, 1963. \$2.00
101. **An Investigation of Mississippi Iron Ores:** Marshall K. Kern, 77 p., 11 figs., 6 tables, frontispiece, 1963. \$2.00
 Numerous test holes were drilled and many chemical analyses were made. A summary is given of ore produced and sold in the past and of the smelting operation in 1913 at Winborn.
102. **Mississippi Geologic Research Papers - 1963:** Contains: Regional Stratigraphy of the Midway and Wilcox in Mississippi, by Edward H. Rainwater; Late Pleistocene and Recent History of Mississippi Sound Between Beauvoir and Ship Island, by Edward H. Rainwater; and Geology of the Northeast Quarter of the West Point, Mississippi Quadrangle, and Related Bentonites, by Thomas F. Torries, 98 p., 22 figs., 22 graphic logs, 3 tables, 1 plate, 1964. \$2.00
103. **Survey of Lightweight Aggregate Materials of Mississippi:** Geology, by William S. Parks; Economics, by Clyde A. McLeod; and Tests, by Allan G. Wehr, 115 p., 18 figs., 10 tables, 1964. \$2.00
104. **Mississippi Geologic Research Papers - 1964:** Contains: Type Localities Sampling Program, by William H. Moore, William S. Parks, and Marshall K. Kern; Hilgard as a Geologist, by Henry V. Howe; Plant Microfossils from the Eocene Cockfield Formation, Hinds County, Mississippi, by Donald W. Engelhardt; Current Projects of the Mississippi Geological Survey, by Frederic F. Mellen; Well Logging by Mississippi Geological Survey, by Alvin R. Bicker, Jr., and Frederic F. Mellen, 127 p., 19 figs., 1 table, 6 plates, 1964. \$2.00
105. **Hinds County Geology and Mineral Resources:** William H. Moore et al., 244 p., 50 figs., 15 pl., 16 tables, frontispiece, 1965. \$3.00
 The report contains additional sections: Foreword, by Frederic F. Mellen; Hinds County structural geology, by Alvin R. Bicker, Jr.; Hinds County water resources, by Alvin R. Bicker, Jr., William S. Parks, and William H. Moore; Hinds County clay tests, by Thomas E. McCutcheon; Hinds County mineral industries, by William S. Parks.
106. **Sediments and Microfauna off the Coasts of Mississippi and Adjacent States:** Charles F. Upshaw, Wilgus B. Creath, and Frank L. Brooks, 127 p., over 100 figs., pl., and graphs, 1966. \$2.00
 This bulletin is the work of members of the Research Department of Pan American Petroleum Corporation and also presents results of a study of the same area made as a partial fulfillment of requirements for the Master of Science Degree at Mississippi State University.
107. **Claiborne County Geology and Mineral Resources:** Alvin R. Bicker, Jr., et al., 174 p., 25 figs., 8 pl., 9 tables, surface geologic map in color, 1966. \$2.00
 This report contains additional sections: Subsurface stratigraphy of Claiborne County, by Theo H. Dinkins, Jr.; Claiborne County structural geology, by Charles H. Williams, Jr.; Claiborne County clay tests, by Thomas E. McCutcheon.
108. **George County Geology and Mineral Resources:** Charles H. Williams, Jr., et al., 227 p., 44 figs., 15 tables, 6 pl., surface geologic map in color, 1967. \$3.00
 This report contains additional sections: George County clay tests, by Thomas E. McCutcheon; Subsurface stratigraphy of George County, by Theo H. Dinkins, Jr.
- *109. **Jurassic Stratigraphy of Mississippi:** Contains: Jurassic stratigraphy of central and southern Mississippi, by Theo H. Dinkins, Jr.; A study of the Jurassic sediments in portions of Mississippi and Alabama, by Marvin L. Oxley, Edward Minihan, and Julius M. Ridgway, 77 p., 17 figs., 5 pl., 1968. Not available

110. **Copiah County Geology and Mineral Resources:** Alvin R. Bicker, Jr., et al., 172 p., 33 figs., 2 pl., 17 tables, surface geologic map in color, 1969. \$2.00
Additional sections in this report: Water resources of Copiah County, by Thad N. Shows; Subsurface stratigraphy of Copiah County, by Theo H. Dinkins, Jr.; Copiah County clay tests, by Thomas E. McCutcheon.
111. **Loess Investigations in Mississippi:** Contains: Geology of Mississippi loess, by J. O. Snowden, Jr., and Richard R. Priddy; Forests of west central Mississippi as affected by loess, by C. D. Caplenor et al., 267 p., 51 figs., 1 pl., 31 tables, 1968. \$3.00
- *112. **Economic Minerals of Mississippi:** Alvin R. Bicker, Jr., 80 p., 34 figs., 2 pl., 2 colored inserts, 1970. Not available
- *113. **Water Resources of Mississippi:** Thad N. Shows, 161 p., 11 figs., 38 tables, 8 in color, 1970. Not available
114. **The Jackson Eocene Ostracoda of Mississippi:** William J. Huff, 289 p., 20 figs., 2 tables, 27 pl., 1970. \$3.00
This bulletin is the result of years of study on this important fossil group. New species are named and data on frequency and distribution of Ostracoda are presented.
- *115. **Rankin County Geology and Mineral Resources:** Wilbur T. Baughman et al., 226 p., 40 figs., 5 pl., 35 tables, surface geologic map in color, 1971. Not available
116. **Smith County Geology and Mineral Resources:** Edwin E. Luper et al., 189 p., 52 figs., 4 pl., 12 tables, surface geologic map in color, 1972. \$3.00
This report contains additional sections: Smith County clay tests, by Rung Angurrohita; Water resources of Smith County, by Wilbur T. Baughman.
117. **Wayne County Geology and Mineral Resources:** James H. May et al., 293 p., 85 figs., 19 tables, 4 pl., geologic map and cross section in color, 1974. \$3.00
This report contains additional sections: Water resources of Wayne County, by Wilbur T. Baughman and John E. McCarty; Wayne County clay tests, by William B. Hall and Rollin C. Glenn. Includes test results from Bureau of Mines and chemical analyses supervised by James P. Minyard.
- *118. **Mississippi Geologic Names:** Sarah C. Childress, 172 p., 1973. Not available
119. **Tinsley Field 1939-1974, A Commemorative Bulletin:** William H. Moore, 56 p., 5 illus., 3 pl., 1974. \$2.00
This bulletin traces Tinsley from the discovery of the Tinsley structure during a routine geological survey by Frederic F. Mellen, a Mississippi Geological Survey employee, through the drilling of the discovery well, and the later history of the Field. Tinsley Field became the largest oil field east of the Mississippi River.
- *120. **Mollusca of the Moodys Branch Formation, Mississippi:** David T. Dockery, III, 212 p., 10 figs., 28 plates containing 490 illustrations, 1977. Not available
- *121. **Clarke County Geology and Mineral Resources:** William A. Gilliland and Danny W. Harrelson, 201 p., 56 figs., 19 tables, 2 plates, surface geologic map in color, 1980. Not available
122. **The Invertebrate Macropaleontology of the Clarke County, Mississippi, Area:** David T. Dockery, III, 387 p., 36 figs., 82 plates, 1980. \$5.00
123. **Lower Oligocene Bivalvia of the Vicksburg Group in Mississippi:** David T. Dockery, III, 261 p., 49 figs., 62 plates plus 3 plates by Conrad (1848) and 12 plates by Lesueur (1829), 1982.

\$9.00

A study of the bivalves and stratigraphy of the lower Oligocene Vicksburg Group in Mississippi. The report discusses 144 species systematically and names 45 new species.

124. **Lower Oligocene Gastropoda, Scaphopoda, and Cephalopoda of the Vicksburg Group in Mississippi:** F. Stearns MacNeil and David T. Dockery, III, 415 p., 16 figs., 72 plates, 1984. \$10.00

This bulletin reports on 411 species, subspecies, and varieties; 89 species and subspecies, 6 genera, and 5 subgenera are described as new. Also included are a stratigraphic discussion of the Vicksburg Group and a site proposal for the Eocene - Oligocene boundary stratotype.

125. **Paleogene Calcareous Nannoplankton Biostratigraphy: Mississippi, Alabama and Tennessee:** William G. Siesser, 61 p., 37 figs., 15 tables, 1983. \$4.00

The report identifies and illustrates calcareous nannoplankton from Paleogene formations in Mississippi, Alabama, and Tennessee. The formations are then assigned to an internationally recognized zonation that divides the Paleogene into 25 biostratigraphic units.

126. **Newton County Geology and Mineral Resources:** Robert K. Merrill et al., 108 p., 66 figs., 14 tables, surface geologic map and 2 cross sections in color, 1985. \$6.00

This report contains additional sections: The Bureau of Mines test program for clay and ceramic raw materials, by K. J. Liles and H. Heystek; Mineralogy of selected Newton County formations, by Delbert E. Gann; Water resources of Newton County, by James J. Sims, Jr.

127. **Tishomingo County Geology and Mineral Resources:** Robert K. Merrill et al., 178 p., 133 figs., 20 tables, surface geologic map and cross sections in color, 1988. \$12.00

This report contains additional sections: Mineralogy and petrography of selected Tishomingo County formations, by Delbert E. Gann; Water resources of Tishomingo County, by Stephen P. Jennings.

128. **A List, Bibliography and Index of the Fossil Vertebrates of Mississippi:** Eleanor Daly, 47 p., 1992. \$5.00

Contains a brief history, list of fossil vertebrates, annotated bibliography, systematic index, and geographic/stratigraphic index.

129. **The Streptoneuran Gastropods, Exclusive of the Stenoglossa, of the Coffee Sand (Campanian) of Northeastern Mississippi:** David T. Dockery, 191 p. including 42 plates, 1993. \$15.00

Reports on 100 species of gastropods from the Upper Cretaceous deposits of Lee County, with discussions of stratigraphy of the Coffee Sand and gastropod classification.

130. **Belle Fontaine, Jackson County, Mississippi: Human History, Geology, and Shoreline Erosion:** edited by Stephen M. Oivanki, 136 p., 1994. \$10.00

Includes papers on human history by Klaus J. Meyer-Arendt, geology by Ervin G. Otvos and Stephen M. Oivanki, shoreline evolution model by Joseph N. Suhayda, and the government role by Cathy Z. Hollomon.

131. **Atlas of Shallow Mississippi Salt Domes:** Stanley C. Thieling and Jack S. Moody, 328 p., 1997. \$25.00

A compilation of essential information on 53 shallow piercement salt domes in the Mississippi Interior Salt Basin.

INFORMATION SERIES

- 71-1. **Electrical Logs of Water Wells and Test Holes on File at the Mississippi Geological Survey:** Michael E. McGregor, Thad N. Shows, and Wilbur T. Baughman, 225 p., 1971. (Revised, see Inf. Series 79-1). \$3.00
- 72-1. **Mineral Producers Directory:** Alvin R. Bicker, Jr., 27 p., 1972. \$2.00 (Revised, see Circular 2)
- *72-2. **Fossil and Mineral Collecting Localities of Mississippi:** Leslie P. Pitts and Michael Bograd, 40 p., 18 maps, 1972. Not available
- *72-3. **An Investigation of Water Supply Problems at Alcorn College, Lorman, Mississippi:** Wilbur T. Baughman, 10 p., 2 pl., 1972. Not available
- 72-4. **Salt Water Disposal Wells in Mississippi:** Alvin R. Bicker, Jr., 92 p., 27 figs., 6 maps, 25 tables, 1972. \$5.00
- 73-1. **Acker Lake Landslide, Monroe County, Mississippi:** Donald M. Keady, Ernest E. Russell, and Troy J. Laswell, 22 p., 13 illustrations and maps, 1973. \$1.00
A report concerning a landslide of April 27, 1970, along the west wall of the Tombigbee River in Monroe County.
- 74-1. **An Investigation of the Tertiary Lignites of Mississippi:** David Ray Williamson, 147 p., 35 illustrations and maps, 5 tables, 1976. \$15.00
- 77-1. **Agricultural Lime in Central Mississippi:** Alvin R. Bicker, Jr., and James H. May, 55 p., 19 figs. and maps, 11 tables, 1977. \$2.00
A report on the stratigraphy, areal extent, limestone thickness, overburden thickness, and quality of limestone along the Oligocene outcrop in Mississippi.
- *79-1. **Electrical Logs of Water Wells and Test Holes on File at the Bureau of Geology and Energy Resources:** William Davison Easom, James P. Bradshaw, and Robert J. Smith, 306 p., 1979. Not available (A supplement was published as IS 85-3)
- *82-1. **Subsurface Cretaceous Strata of Mississippi:** Dora M. Devery, 24 p., 8 figs., 1982.
The report provides an overview of the stratigraphy of the Lower and Upper Cretaceous sediments in the subsurface of Mississippi. Regional trends are illustrated with a series of 5 cross sections. Not available
- 82-2. **Mineral Producers Directory, 1982:** Catherine F. Sims, 19 p., 3 figs., 1982. \$1.00 (Revised, see Circular 2)
The report contains information on the major mineral producers in Mississippi, with emphasis on the clay, sand and gravel, and stone industries.
- *84-1. **Mineral Producers Directory, 1984:** Catherine F. Sims, 20 p., 3 figs., 1984. Not available (Revised, see Circular 2)
- 84-2. **Brief History of the Bureau of Geology, 1850-1983:** William A. Gilliland, 17 p., 8 figs., 1984. \$1.00
The publication notes the origin of the Bureau and lists each State Geologist by tenure. Important activities during each period are recorded. Eight state geologic maps are reproduced in black and white.
- *85-1. **Core-Collection Catalog:** Gary M. Meadows, 164 p., 1985. Not available

- 85-2. **Mineral Producers Directory, 1985:** S. Cragin Knox, 20 p., 3 figs., 1985. \$1.00 (Revised, see Circular 2)
The report contains information on the major mineral producers in Mississippi, with emphasis on the clay, sand and gravel, and stone industries.
- 85-3. **Electrical Logs of Water Wells and Test Holes on File at the Bureau of Geology - Supplement:** James J. Sims, Jr., 225 p., 1985. \$5.00
This supplement to IS 79-1 tabulates logs recorded from 1979 through 1984. The logs are located on county maps; tables give ownership, location, log interval, and date.

ENVIRONMENTAL GEOLOGY SERIES

1. **Environmental Geology of the Pochontas, Clinton, Raymond, and Brownsville Quadrangles, Hinds County, Mississippi:** John W. Green and Michael Bograd, 70 p., 56 figs., 51 maps in color, 1973. \$5.00 (\$3.00 postage and handling each copy)
This atlas-type book contains sections on topography, geology, water resources, public utilities, recreation and transportation, sanitary landfills, and land use.
- *2. **Environmental Geology of the Madison, Ridgeland, Jackson, and Jackson SE Quadrangles, Hinds, Madison, and Rankin Counties, Mississippi:** John W. Green and Sarah C. Childress, 64 p., 47 figs., 45 maps in color, 1974. Not available
3. Field work postponed for indefinite period.
- *4. **Geology and Man in Adams County, Mississippi:** Sarah C. Childress, Michael Bograd, and John C. Marble, 188 p., 11 maps in color, 11 charts and diagrams, 14 tables, 8 color plates, and 97 photographs, 1976. Not available

REPORTS OF INVESTIGATIONS

1. **Preliminary Evaluation of Coal and Coalbed Gas Resource Potential of Western Clay County, Mississippi:** Kevin S. Henderson and Conrad A. Gazzier, 31 p., 7 plates in pocket (available with plates 1 & 5 missing), 1989. \$5.00
Four coal groups in the Pottsville Formation may contain 5.2 billion tons of coal and one trillion cubic feet of gas.
2. **Cambro-Ordovician Subsurface Stratigraphy of the Black Warrior Basin in Mississippi:** Kevin S. Henderson, 51 p., 8 figs., 6 plates in pocket, 1991. \$8.00
The 8000 feet of Lower Cambrian to Middle Ordovician sediments in northern Mississippi are differentiated into nine formations.
3. **Electrical Resistivity Values (Rw's) and Chemical Data Determined from Analyses of Produced Formation Waters from Oil and Gas Well Tests in Mississippi:** Rick L. Ericksen, 42 p., including 4 tables, chart and 4 plates in pocket, 1995. \$15.00
A compilation of data from wildcat test wells and 241 oil, gas-condensate, and gas fields.

CIRCULARS

1. **Yazoo Clay: Engineering Aspects and Environmental Geology of an Expansive Clay:** Curtis W. Stover, Ross D. Williams, and Charles O. M. Peel, 11 p., 1988. \$2.00
A non-technical report about the nature and extent of Yazoo Clay, construction problems, engineering tests, and methods of preventing problems.

- *2. **Mineral Producers Directory, 1988:** John E. Johnston and S. Cragin Knox, 35 p., 1988. Not available.
The report contains information on the major mineral producers in Mississippi and includes awards for Operator of the Year, Reclamation Project of the Year, and Honorable Mentions for Surface Mining Reclamation. **See Open-File Report 65.**
3. **Geologic Mapping in Mississippi: Proceedings of the 1989 MISGEOMAP Conference:** Michael B. E. Bograd and David T. Dockery III, editors, 48 p., 1990. \$4.00
Contains the conference proceedings and 14 papers about geologic maps and mapping in Mississippi.
4. **A Guide to the Frankstown Vertebrate Fossil Locality (Upper Cretaceous), Prentiss County, Mississippi:** Earl M. Manning and David T. Dockery III, 43 p., 7 figs., 1 table, 12 plates, 1992. \$4.00
A discussion and illustration of Cretaceous vertebrates including the teeth of sharks, fish, crocodiles, mosasaurs, and dinosaurs.
5. **Bibliography of Mississippi Gulf Coast Geology and Related Topics:** Stephen M. Oivanki, Michael B. E. Bograd, and Ervin G. Otvos, 34 p., 1993. \$4.00
A compilation of the scientific literature about the geology of the Mississippi Gulf Coast, the barrier islands, and the Mississippi Sound.
6. **Windows into Mississippi's Geologic Past:** David T. Dockery, 64 p., 1997. \$5.00
An educational report on the geologic history of Mississippi, with illustrations by fifth-grader Katie Lightsey.
7. **Rocks and Fossils Found in Mississippi's Gravel Deposits:** David T. Dockery III, James E. Starnes, David E. Thompson, and Laura Beiser, 25 p., 2008. \$5.00

PAMPHLETS

- *1. **Bureau of Geology.** A brief description of the work and responsibilities of the Bureau of Geology. Not available
2. **The Value of Geologic Mapping in Mississippi.** The pamphlet gives some examples of the return in mineral production on the investment in geologic mapping. Single copies free; \$.50 by mail.
3. **Fossil Whale, State Fossil of Mississippi:** John E. Johnston, 1991. Single copies free; \$.50 by mail.

FACT SHEETS

1. **Earthquakes in Mississippi:** Michael B. E. Bograd, revised April 2014. Single copies free; \$.50 by mail.
2. **Lignite Resources of Mississippi:** Stan Thieling, David E. Thompson, and Michael B. E. Bograd, August 2009. Single copies free; \$.50 by mail.

CROSS SECTIONS

- CS-1. **Cross Section from Mississippi-Tennessee State Line to Horn Island in the Gulf of Mexico:** constructed by Charles H. Williams, Jr.; in color and illustrating structural features and stratigraphy; 2 x 8.5 feet; 1969. \$20.00 (\$5.00 postage and handling)
- CS-2. **East-West Cross Section, Tishomingo County to Tunica County, Mississippi:** constructed by Alvin R. Bicker, Jr.; in color and illustrating structural features and stratigraphy; 2 x 6 feet; 1974. \$20.00 (\$5.00 postage and handling)
- CS-3. **Northeast-Southwest Stratigraphic Cross Section of the Jurassic Sediments, Newton County to Jasper County, Mississippi:** constructed by Victor N. Fischer; in color and illustrating structural features and stratigraphy; 3 x 4.5 feet; 1974. \$20.00 (\$5.00 postage and handling)
- CS-4. **Southeast-Northwest Stratigraphic Cross Section of the Jurassic Sediments, Clarke County to Scott County, Mississippi:** constructed by Victor N. Fischer; in color and illustrating structural features and stratigraphy; 2.5 x 5 feet; 1976. \$20.00 (\$5.00 postage and handling)
- CS-5. **Northeast-Southwest Stratigraphic Cross Section of the Jurassic Sediments, Choctaw County, Alabama to Clarke County, Mississippi:** constructed by Victor N. Fischer; in color and illustrating structural features and stratigraphy; 2.5 x 5 feet; 1978. \$20.00 (\$5.00 postage and handling)

MAPS AND CHARTS

(Not including those bound with other publications)

1. **Geologic Map of Mississippi:** compiled by Alvin R. Bicker, Jr.; in color; scale 1:500,000; 35.5 x 46 inches; 1969. \$7.00 (\$5.00 postage and handling for the first copy and \$1.00 for each additional copy)
2. **Geologic Map of Mississippi.** In color; 1 inch = 30 miles; 8½ x 11 inches. First copy free; additional copies \$.50 each; by mail copies are \$1.00 each
3. **Map GQ 82-NW, General Geology and Mineral Resources of the Mendenhall West Quadrangle, Mississippi:** James H. May and John C. Marble; 53 p., 8 figs., 5 tables, and a geologic map in color at a scale of 1:24,000; 1976. \$6.00 (\$3.00 postage and handling)
The booklet contains a section on geology and mineral resources by May and a water resources summary by Marble. The geologic map by May includes 3 cross sections and structure contours of the top of the Glendon Formation. The Mendenhall West quadrangle is in Simpson County.
4. **Map GQ 95-SW, General Geology and Mineral Resources of the Braxton Quadrangle, Mississippi:** William A. Gilliland and Danny W. Harrelson; 54 p., 11 figs., 4 tables, and a geologic map in color at a scale of 1:24,000; 1980. \$6.00 (\$3.00 postage and handling)
The booklet contains a section on geology and mineral resources by Gilliland and a water resources summary by Harrelson. The geologic map by Gilliland includes 2 cross sections and structure contours of the top of the Glendon Formation. The Braxton quadrangle is in Rankin and Simpson counties.
- *5. **Elevation Map of Mississippi.** In color; scale 1:1,000,000; 24 x 15 inches; 1975. Not available
6. **Compilation of Producing Formations in Mississippi:** Dora M. Devery; chart measures 31.5 x

- 12 inches; 1981. \$3.00 (\$2.00 postage and handling)
A chart compiling oil and gas data, listing fields alphabetically, noting their location by county, and indicating the producing formations.
- *7. **Stratigraphic Column of Mississippi:** David T. Dockery; column measures 29 x 10 inches; 1981. Not available; see *Mississippi Geology*, v. 17, no. 1 (1996).
8. **Mississippi Wilcox Reference Map:** compiled by Marvin L. Oxley; in color; scale 1 inch = 8000 feet; size 40 x 43 inches; 1969. \$7.00 (\$5.00 postage and handling)
This map shows Wilcox fields in southwestern Mississippi, producing zone of each, composite electric log, an index to the producing fields, and contours of the base of the Baker Shale interval.
9. **Mississippi Sound Lease Block Map.** Scale 1 inch equals 10,000 feet measures 43 x 20 inches; price is \$8.00 plus \$5.00 postage. Scale 1 inch equals 5000 feet measures 83 x 43 inches; price is \$20.00 plus \$5.00 postage. A small version at scale 1 inch equals 30,000 feet is available for no charge. This map has been replaced by Open-File Report 151.
10. **Economic Minerals Map of Mississippi:** compiled by David C. Booth and Darrel W. Schmitz; in color; scale 1:500,000; 36.5 x 46 inches; 1983. \$7.00 (\$5.00 postage and handling for the first copy and \$1.00 for each additional copy)
11. **Electrical Logs of Water Wells and Test Holes on File at the Mississippi Bureau of Geology:** James J. Sims, Jr., and Darrel W. Schmitz; scale 1:750,000; 32 x 21 inches; 1986. Log locations are indicated by a black point accurate to section; additional information about availability of cutting samples, pumping tests, or water analyses is indicated by red or blue symbols. \$7.00 (\$2.00 postage and handling)
12. **Structural Features of Mississippi:** compiled by Conrad A. Gazzier and Michael B. E. Bograd; scale 1:500,000; 29 x 47 inches; 1988. \$7.00 (\$5.00 postage and handling for the first copy and \$1.00 for each additional copy)
The map includes structural features, aeromagnetic contours, salt domes, and oil and gas fields.
13. **Significant Oil and Gas Pools and Formations of Mississippi:** Rick L. Ericksen and Sandra Dowty; chart measures 11.2 x 34.6 inches; 1992. \$2.00 (\$2.00 postage and handling)
14. **Atlas of Major Central and Eastern Gulf Coast Gas Reservoirs:** edited by D. G. Bebout, W. A. White, C. M. Garrett, Jr., and T. F. Hentz; 88 p. oversize; 4 pl.; 1992. \$38.00 (\$6.00 postage and handling)
Published by the Gas Research Institute, this atlas was a cooperative project of the state geological surveys of Alabama, Arkansas, Louisiana, Mississippi, and Texas.
15. **Southwest Mississippi Frio Trend:** Stephen D. Champlin; scale 1 inch equals 6 miles; 11 x 13.5 inches; 1994. Color \$3.00 or black and white \$1.00 (\$2.00 postage and handling)
16. **Historical Shoreline Change in the Northern Gulf of Mexico:** compiled for the U.S. Environmental Protection Agency Gulf of Mexico Program by the Louisiana Geological Survey; scale 1:2,000,000; 1991. \$7.00 (postage and handling is \$5.00 rolled and \$2.00 folded)
17. The U.S. Geological Survey in 1969 published a series of 14 maps showing the extent of coastal tidal flooding along the Gulf Coast caused by Hurricane Camille in August 1969 and by Hurricane Betsy in September 1965. The authors of the maps are K. V. Wilson and James W. Hudson of USGS. The maps are published at the scale 1:24,000, except the Pascagoula Quadrangle, which is published at 1:62,500. USGS published the maps in their Hydrologic Investigations Atlas (HA) series. The Mississippi Office of Geology has these maps available for sale in our Map and

Publications Sales Office; they are available folded in envelopes. If ordering by mail, please ask for the maps by the series number and name highlighted in bold in the following list.

- HA-395**, Hurricane Camille Tidal Floods of August 1969 Along the Gulf Coast, **Logtown Quadrangle**, Mississippi. \$7.00 (\$2.00 postage and handling)
- HA-396**, Hurricane Camille Tidal Floods of August 1969 Along the Gulf Coast, **English Lookout Quadrangle**, Louisiana-Mississippi. \$7.00 (\$2.00 postage and handling)
- HA-397**, Hurricane Camille Tidal Floods of August 1969 Along the Gulf Coast, **Kiln Quadrangle**, Mississippi. \$7.00 (\$2.00 postage and handling)
- ***HA-398**, Hurricane Camille Tidal Floods of August 1969 Along the Gulf Coast, **Waveland-Grand Island Pass Quadrangles**, Mississippi. Not available
- ***HA-399**, Hurricane Camille Tidal Floods of August 1969 Along the Gulf Coast, **Vidalia Quadrangle**, Mississippi. Not available
- HA-400**, Hurricane Camille Tidal Floods of August 1969 Along the Gulf Coast, **Bay St. Louis Quadrangle**, Mississippi. \$7.00 (\$2.00 postage and handling)
- HA-401**, Hurricane Camille Tidal Floods of August 1969 Along the Gulf Coast, **Gulfport NW Quadrangle**, Mississippi. \$7.00 (\$2.00 postage and handling)
- ***HA-402**, Hurricane Camille Tidal Floods of August 1969 Along the Gulf Coast, **Pass Christian Quadrangle**, Mississippi. Not available
- HA-403**, Hurricane Camille Tidal Floods of August 1969 Along the Gulf Coast, **Gulfport North-South Quadrangles**, Mississippi. \$7.00 (\$2.00 postage and handling)
- HA-404**, Hurricane Camille Tidal Floods of August 1969 Along the Gulf Coast, **Biloxi Quadrangle**, Mississippi. \$7.00 (\$2.00 postage and handling)
- ***HA-405**, Hurricane Camille Tidal Floods of August 1969 Along the Gulf Coast, **Ocean Springs-Deer Island Quadrangles**, Mississippi. Not available
- HA-406**, Hurricane Camille Tidal Floods of August 1969 Along the Gulf Coast, **Pascagoula Quadrangle**, Mississippi. \$7.00 (\$2.00 postage and handling)
- HA-407**, Hurricane Camille Tidal Floods of August 1969 Along the Gulf Coast, **Kreole-Grand Bay SW Quadrangles**, Mississippi-Alabama. \$7.00 (\$2.00 postage and handling)
- ***HA-408**, Hurricane Camille Tidal Floods of August 1969 Along the Gulf Coast, **Grand Bay Quadrangle**, Alabama. Not available

TOPOGRAPHIC MAPS

The Office of Geology stocks for sale all topographic maps available for the State of Mississippi.

1:24,000-scale quadrangles

7.5-minute quadrangles; 1 inch equals 2000 feet; 22 x 27 inches. \$6.00

1:62,500-scale quadrangles

15-minute quadrangles; 1 inch equals nearly 1 mile; 18 x 22 inches; partial coverage of the state is available. \$6.00

Postage and handling fee for topographic quadrangles:

Folded Maps:

Orders of 1-3 maps, add \$2.00

Orders of 4-10 maps, add \$3.50

Rolled Maps:

Orders of 1-3 maps, add \$5.00

Orders of 4-10 maps, add \$6.00

Add \$.10 for each additional map over 10 maps; orders over 10 maps will be rolled.

1:100,000-scale topographic maps

30 minutes latitude by 60 minutes longitude; 24 x 44 inches; contour interval is 5, 10, or 20

meters. \$7.00 each, plus postage (folded only).

1:250,000-scale topographic maps

1 degree latitude by 2 degrees longitude, 1 inch equals nearly 4 miles. \$7.00 each, plus postage (rolled only).

1:500,000-scale topographic map of Mississippi

30 x 48 inches; contour interval is 200 feet. \$7.00 each, plus \$5.00 postage for the first map and \$1.00 for each additional map (rolled).

1:500,000-scale base map of Mississippi

30 x 48 inches. \$7.00 each, plus \$5.00 postage for the first map and \$1.00 for each additional map (rolled).

Southeastern United States (Southern Mississippi Valley States), scale 1:2,000,000, in color. \$7.00 each, plus \$5.00 postage for the first map and \$1.00 for each additional map (rolled).

United States Base Map, scale 1:5,000,000, 27 x 40 inches, black and white. Shows all states with counties, major cities, and rivers. \$7.00 each, plus \$5.00 postage for the first map and \$1.00 for each additional map (rolled).

OPEN-FILE REPORTS

(Missing numbers are projects in progress)

- OF-1. **An Investigation of Potential Geothermal Energy Sources in Mississippi:** Edwin E. Luper, 1978, DOE Cont. No. EG-77-S-05-5361. \$20.00 (\$4.00 postage)
This report investigates the geotemperature regime of 40 counties of south and south-central Mississippi. Included in the report are 18 isothermal contour maps showing the subsea depths to the following temperatures: 158 F (70 C), 212 F (100 C), 248 F (120 C), 302 F (150 C), 356 F (180 C), 401 F (205 C).
- OF-2. **Identification of Coal Seams in the Subsurface of Itawamba and Monroe Counties:** Alvin R. Bicker, Jr., 1979. \$3.50 (\$3.00 postage)
This report contains one table and three maps: structure maps of the Pennsylvanian and Mississippian and an isopach map of the Pennsylvanian. 11 pages.
- OF-3. **Resource Evaluation of Lower Pennsylvanian (Pottsville) Depositional Systems of the Western Warrior Coal Field, Mississippi:** Ron Tarbutton, 1980. \$8.00 (\$3.00 postage)
This report contains 12-page text, 16-page table, structure map, net-sand isopach, and cross section.
- OF-4. **Monitor Well Construction and Hydrological Testing, Tatum Salt Dome, Lamar County, Mississippi, March-April 1981:** Curtis W. Stover, Danny W. Harrelson, and W. Howard Johnson, 1981. \$13.50 (\$3.00 postage)
This report contains 22 pages plus 40-page appendix and 6 geophysical logs.
- OF-5. **Geologic Map of the Belmont Quadrangle (Mississippi Portion), Mississippi-Alabama:** Robert K. Merrill, scale 1:24,000, 1988. \$2.00 (\$2.00 postage)
- OF-6. **Geologic Map of the Tishomingo Quadrangle, Mississippi-Alabama (including Mississippi Portion of the Bishop Quadrangle):** Robert K. Merrill, scale 1:24,000, 1988. \$2.00 (\$2.00 postage)

- OF-7. **Geologic Map of the Iuka Quadrangle (including Mississippi Portion of the Margerum Quadrangle, Mississippi-Alabama):** Robert K. Merrill, scale 1:24,000, 1988. \$2.00 (\$2.00 postage)
- OF-8. **Geologic Map of Mississippi Portions of the Yellow Creek (Mississippi-Alabama-Tennessee) and Waterloo (Mississippi-Alabama) Quadrangles:** Robert K. Merrill, scale 1:24,000, 1988. \$2.00 (\$2.00 postage)
- OF-9. **Geologic Map of the Doskie Quadrangle (Mississippi Portion), Mississippi-Tennessee:** Robert K. Merrill, scale 1:24,000, 1988. \$2.00 (\$2.00 postage)
- OF-10. **Geologic Map of the Burnsville Quadrangle, Mississippi:** Robert K. Merrill, scale 1:24,000, 1988. \$2.00 (\$2.00 postage)
- OF-11. **Geologic Map of the Paden Quadrangle (Tishomingo County Portion), Mississippi:** Robert K. Merrill, scale 1:24,000, 1988. \$2.00 (\$2.00 postage)
- OF-12. **Geologic Map of the Paden Southeast Quadrangle (Tishomingo County Portion), Mississippi:** Robert K. Merrill, scale 1:24,000, 1988. \$2.00 (\$2.00 postage)
- OF-13. **Geologic Map of Tishomingo County Portions of the Fulton Northeast (Mississippi) and Red Bay (Alabama-Mississippi) Quadrangles:** Robert K. Merrill, scale 1:24,000, 1988. \$2.00 (\$2.00 postage)
- OF-14. **Investigative Report on Buoy Reef, Western Mississippi Sound, Mississippi:** Stephen L. Ingram, 70 p., 3 pl., 1991. \$15.00 (\$3.00 postage)
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ONLINE DATABASES

The Mississippi Department of Environmental Quality, Office of Geology Web site hosts an increasing amount of data. Go to <http://library.geology.deq.state.ms.us> for links to the following databases:

Energy Section Library

An extensive collection of oil and gas data on Mississippi's wells and fields.

Coastal Section Library

Contains information on the work of the Coastal Geology Section.

EARLY REPORTS

Geological Survey reports

* **Report on the Agriculture and Geology of Mississippi:** B. L. C. Wailes, 372 p., 1854. Not available
Historical outline; land titles; agriculture; geology; fauna; flora.

* **Preliminary Report on the Geology and Agriculture of the State of Mississippi:** L. Harper, 351 p., 1857. Not available
Introductory parts; Lithological and Paleontological descriptions of formations: I. The Carboniferous formation. II. The Cretaceous formation. III. Lithological and Paleontological description of the Tertiary formations. IV. Quaternary formations.

* **Report on the Geology and Agriculture of the State of Mississippi:** Eugene W. Hilgard, 391 p., 1860. Not available
Orange Sand; Carboniferous; Cretaceous; Tertiary Formations; Quaternary; Principles of rational agriculture; Principles of agricultural chemistry; the Northeastern Prairie region; the Flatwoods region; the Yellow Loam region; Southern River Counties; the Central Prairie region; the Longleaf Pine region; the Sea-coast Counties.

* **Archeology of Mississippi:** Calvin S. Brown, 372 p., 1926. Not available
The report is illustrated with 354 figures of mounds and archeological specimens from all sections of Mississippi.

Circulars (old series)

*2. **Water:** William Clifford Morse, 4 p., 1954. Not available.

3. **Water Sources:** William Clifford Morse, 6 p., 1954. \$2.00

4. **Water—Man:** William Clifford Morse, 7 p., 1954. \$2.00

County soil surveys (old series)

- Soil Survey of Alcorn County, Mississippi: E. Malcolm Jones and E. P. Lowe, U.S. Department of Agriculture, Bureau of Soils, in cooperation with the Mississippi Geological Survey, 35 p., county soil map in color, scale 1:63,360, 1924. \$30.00
- Soil Survey of Chickasaw County, Mississippi: E. M. Jones and C. S. Waldrop, U.S. Department of Agriculture, Bureau of Soils, in cooperation with the Mississippi Geological Survey, 38 p., county soil map in color, scale 1:63,360, 1917. \$30.00
- Soil Survey of Choctaw County, Mississippi: A.. C. Anderson, E. Malcolm Jones, and Thomas Jabine, U.S. Department of Agriculture, Bureau of Soils, in cooperation with the Mississippi Geological Survey, 38 p., county soil map in color, scale 1:63,360, 1923. \$30.00
- Soil Survey of Claiborne County, Mississippi: B. H. Hendrickson and J. E. McKeehen, U.S. Department of Agriculture, Bureau of Chemistry and Soils, in cooperation with the Mississippi Geological Survey, 34 p., county soil map in color, scale 1:63,360, 1926. \$30.00
- Soil Survey of Coahoma County, Mississippi: F. Z. Hutton, W. E. Tharp, N. M. Kirk, H. W. Hawker, and E. M. Jones, U.S. Department of Agriculture, Bureau of Soils, in cooperation with the Mississippi Geological Survey, 29 p., county soil map in color, scale 1:63,360, 1916. \$30.00
- Soil Survey of Covington County, Mississippi: U.S. Department of Agriculture, Bureau of Soils, in cooperation with the Mississippi Geological Survey, county soil map in color, scale 1:63,360, 1917. \$20.00 MAP ONLY
- Soil Survey of George County, Mississippi: W. E. Tharp and E. P. Lowe, U.S. Department of Agriculture, Bureau of Soils, in cooperation with the Mississippi Geological Survey, 43 p., county soil map in color, scale 1:63,360, 1925. \$30.00
- Soil Survey of Greene County, Mississippi: J. W. Moon and S. Rankin Bacon, U.S. Department of Agriculture, Bureau of Chemistry and Soils, in cooperation with the Mississippi Geological Survey, 42 p., county soil map in color, scale 1:63,360, 1932. \$30.00
- Soil Survey of Grenada County, Mississippi: W. E. Tharp and J. B. Hogan, U.S. Department of Agriculture, Bureau of Soils, in cooperation with the Mississippi Geological Survey, 32 p., county soil map in color, scale 1:63,360, 1917. \$30.00
- Soil Survey of Hancock County, Mississippi: Clarence Lounsbury, E. B. Deeter, S. R. Bacon, and J. T. Miller, U.S. Department of Agriculture, Bureau of Chemistry and Soils, in cooperation with the Mississippi Geological Survey, 31 p., county soil map in color, scale 1:63,360, 1930. \$30.00
- Soil Survey of Hinds County, Mississippi: A.. E. Kocher and A. L. Goodman, U.S. Department of Agriculture, Bureau of Soils, in cooperation with the Mississippi Geological Survey, 42 p., county soil map in color, scale 1:63,360, 1918. \$30.00
- Soil Survey of Jackson County, Mississippi: J. Ambrose Elwell, A. W. Goke, W. J. Moran, E. Malcolm Jones, and E. P. Lowe, U.S. Department of Agriculture, Bureau of Chemistry and Soils, in cooperation with the Mississippi Geological Survey, 32 p., county soil map in color, scale 1:63,360, 1927. \$30.00
- Soil Survey of Jefferson Davis County, Mississippi: T. M. Bushnell and L. Vincent Davis, U.S. Department of Agriculture, Bureau of Soils, in cooperation with the Mississippi Geological Survey, 27 p., county soil map in color, scale 1:63,360, 1916. \$30.00
- Soil Survey of Lamar County, Mississippi: E. Malcolm Jones, H. G. Lewis, W. I. Watkins, A. C. Anderson,

- and G. W. Musgrave, U.S. Department of Agriculture, Bureau of Soils, in cooperation with the Mississippi Geological Survey, 42 p., county soil map in color, scale 1:63,360, 1922. \$30.00
- Soil Survey of Oktibbeha County, Mississippi: W. E. McLendon and Lewis A. Hurst, U.S. Department of Agriculture, Bureau of Soils, in cooperation with the Mississippi Geological Survey, 40 p., no map, 1908. \$10.00
- Soil Survey of Perry County, Mississippi: E. Malcolm Jones, J. A. Kerr, S. B. Cole, and E. P. Lowe, U.S. Department of Agriculture, Bureau of Soils, in cooperation with the Mississippi Geological Survey, 29 p., county soil map in color, scale 1:63,360, 1928. \$30.00
- Soil Survey of Pike County, Mississippi: A. T. Sweet, E. W. Knobel, H. G. Lewis and W. I. Watkins, U.S. Department of Agriculture, Bureau of Soils, in cooperation with the Mississippi Geological Survey, 32 p., county soil map in color, scale 1:63,360, 1921. \$30.00
- Soil Survey of Rankin County, Mississippi: Robert Wildermuth, E. W. Knobel, A. L. Gray and Grove B. Jones, U.S. Department of Agriculture, Bureau of Chemistry and Soils, in cooperation with the Mississippi Geological Survey, 42 p., county soil map in color, 1:62,500, 1926. \$30.00
- Soil Survey of Simpson County, Mississippi: F. Z. Hutton, W. E. Tharp, and Clarence Lounsbury, U.S. Department of Agriculture, Bureau of Soils, in cooperation with the Mississippi Geological Survey, 34 p., county soil map in color, scale 1:63,360, 1921. \$30.00
- Soil Survey of Tishomingo County, Mississippi: A. C. Orvedal and Thomas Fowlkes, U.S. Department of Agriculture, Bureau of Plant Industry, Soils, and Agricultural Engineering, in cooperation with the Mississippi Agricultural Experiment Station, 104 p., county soil map in color, scale 1:48,000, 1944. \$30.00
- Soil Survey of Tunica County, Mississippi: Thomas Fowlkes, C. G. Morgan, J. A. Herren, D. D. Mason, and L. A. Davidson, U.S. Department of Agriculture, Soil Conservation Service, in cooperation with the Mississippi Agricultural Experiment Station, 86 p., county soil map in color on 6 sheets, scale 1:24,000, 1956. \$40.00

COUNTY INDEX

Guide to Abbreviations

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C - Circulars	OF - Open-File Reports
EGS - Environmental Geology Series	RI - Reports of Investigations
IS - Information Series	

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