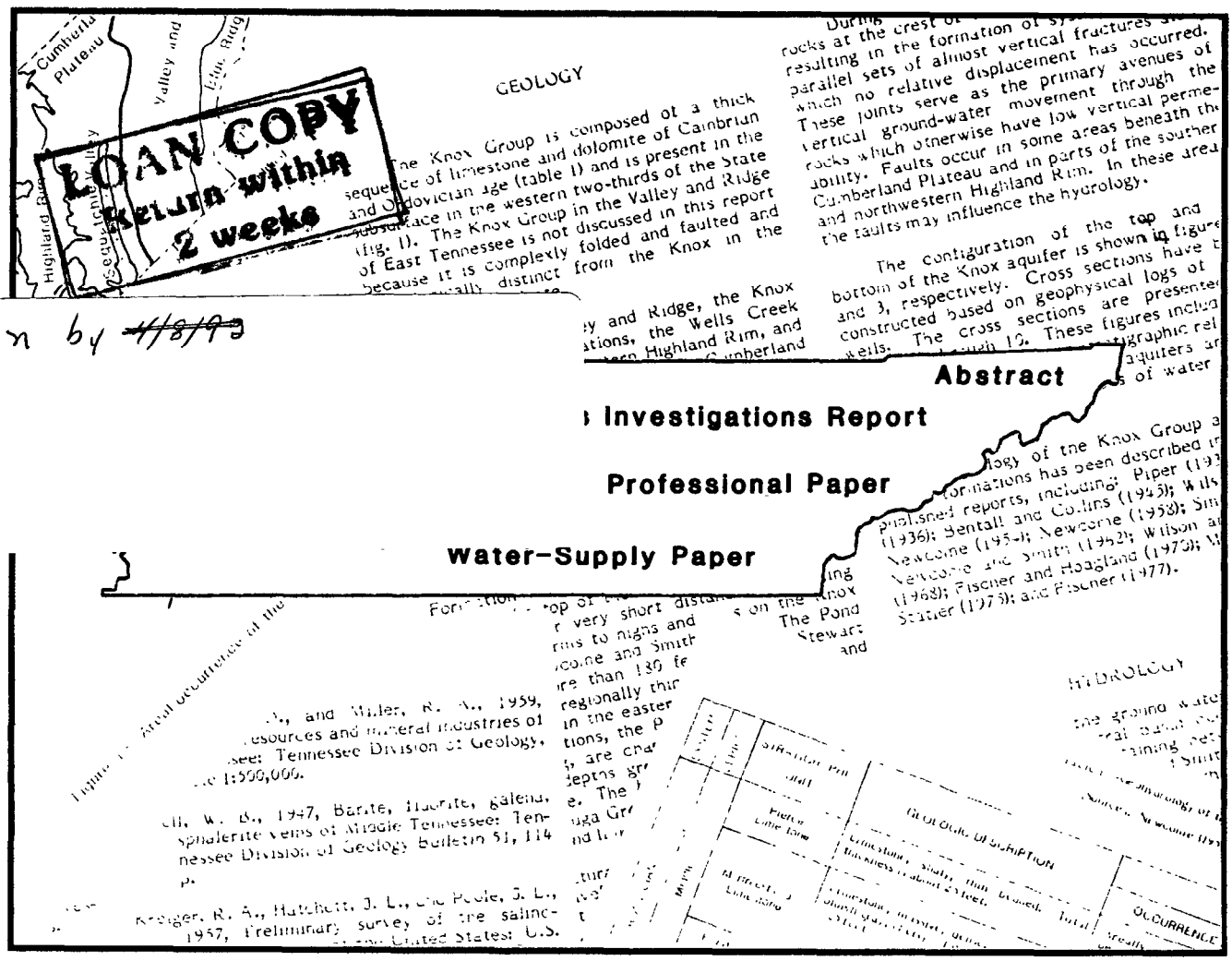
USGS
science for a changing world

# WATER RESOURCES PUBLICATIONS OF THE U.S. GEOLOGICAL SURVEY FOR TENNESSEE, 1906-1987




Return by 4/8/93

U.S. GEOLOGICAL SURVEY

Open-File Report 87-552

WATER RESOURCES DIVISION

# WATER RESOURCES PUBLICATIONS OF THE U.S. GEOLOGICAL SURVEY FOR TENNESSEE, 1906-1987

By Eva G. Baker and Renda C. Massingill

U.S. GEOLOGICAL SURVEY

Open-File Report 87-552


Nashville, Tennessee
1988

**DEPARTMENT OF THE INTERIOR**

**DONALD PAUL HODEL, Secretary**

**U.S. GEOLOGICAL SURVEY**

**Dallas L. Peck, Director**

---

For additional information write to:

District Chief
U.S. Geological Survey
A-413 Federal Bldg.
U.S. Courthouse
Nashville, Tennessee 37203

Copies of this report can be obtained from:

U.S. Geological Survey
Books and Open-File Reports Section
Federal Center, Bldg. 810
Box 25425
Denver, Colorado 80225

# CONTENTS

# WATER RESOURCES PUBLICATIONS OF THE U.S. GEOLOGICAL SURVEY FOR TENNESSEE, 1906-1987

By Eva G. Baker and Renda C. Massingill

## ABSTRACT

A bibliography was compiled of the water-resources investigations published by the U.S. Geological Survey, Water Resources Division, in Tennessee. The bibliography includes an alphabetical listing by author, as well as listings by general and specific areas in Tennessee. The publications are classified also by discipline and type of report: open- file reports, water-supply papers, water-resources investigations, professional papers, circulars, hydrologic investigations atlases, miscellaneous investigations maps,journal and symposium articles, water-resources bulletin articles, and water-resources data reports.

## INTRODUCTION

The U.S. Geological Survey, Water Resources Division, has conducted investigations in Tennessee since 1906. The investigations and activities include collection of streamflow records, ground-water levels, water-quality data, water-use inventories, and areal water-resources appraisals. The results of these investigations are published in a variety of data and interpretive reports.

This bibliography summarizes the reports published from 1906 through 1987. Updates to the bibliography will be printed in future years as additional reports of ongoing investigations are published.

## ORGANIZATION OF THE BIBLIOGRAPHY

The publications are listed in alphabetical order by author. A code number has been assigned to each publication in the author's listing. The code numbers are used in four auxiliary listings to assist the reader in locating a particular publication. The auxiliary listings are:

- A listing by specific location in Tennessee (city or county).
- A listing by general location in Tennessee (East, Middle, or West Tennessee).
- A listing by discipline or interest (ground water, modeling of ground-water flow, quality of water, streamflow, flood, sediment studies, and water use).
- A listing by type of publication (bulletins, atlases, professional papers, open-file reports, water-resources investigations, water-data reports, circulars, and water-supply papers).

Some of the more recent publications listed in this bibliography may be available from the Tennessee District Office of the U.S. Geological Survey. Inquiries concerning available publications can be made by telephone (615) 736-5424.

Many of the listed publications are out of print and can be obtained only through the National Technical Information Services (NTIS) or from the Survey Text Distribution Center. These offices can be contacted as follows:

- National Technical Information Service
  U.S. Department of Commerce
  5285 Port Royal Road
  Springfield, Virginia 22161
  Tel. (703) 487-4650

- Books and Open-File Reports Section
  U.S. Geological Survey
  Federal Center, Bldg. 810
  Box 25425
  Denver, Colorado 80225
  Tel. (303) 236-7476

- U.S. Geological Survey
  Map Distribution
  Box 25286, Federal Center, Bldg. 41
  Denver, CO 80225
  303) 236-7477

The Tennessee District Office also maintains loan copies of some of the out-of-print publications. These are loaned to users for a maximum period of 2 weeks.

# PUBLICATIONS BY AUTHOR


001 Alexander, F.M., Keck, L.A., Conn, L.G., and Wentz, S.J., 1984, Drought-related impacts on municipal and major self-supplied industrial water withdrawals in Tennessee: U.S. Geological Survey Water-Resources Investigations Report 84-4074.

002 Barnes, H.H., 1964, Floods of March 1963, Alabama to West Virginia: U.S. Geological Survey open-file report.

003 Bell, E.A., 1966, Water Resources of the Memphis area, Tennessee: U.S. Geological Survey open-file report.

004 Bell, E.A., and Nyman, D.J, 1968, Flow pattern and related chemical quality of water in the "500-foot" sand in the Memphis area, Tennessee: U.S. Geological Survey Water-Supply Paper 1853.

005 Biesecker, J.E., and George, J.R., 1966, Stream quality in Appalachia as related to coal-mine drainage, 1965: U.S. Geological Survey Circular 526.

006 Bingham, R.H., 1963, Summary of ground-water levels in Tennessee, 1952-61: Journal of the Tennessee Academy of Science, v. 38, no. 4, p. 126-132.

007 Bingham, R.H., 1964, Well water for home supplies in Lewis County: Tennessee Division of Water Resources Hydrologic Atlas 3.

008 Bingham, R.H, 1985, Low flows and flow duration of Tennessee streams through 1981: U.S. Geological Survey Water-Resources Investigations Report 84-4347.

009 Bingham, R.H., 1986, Regionalization of low-flow characteristics of Tennessee streams: U.S. Geological Survey Water-Resources Investigations Report 85-4191.

010 Bingham, R.H., 1986, Regionalization of winter low-flow characteristics of Tennessee streams: U.S. Geological Survey Water-Resources Investigations Report 86-4007.

011 Bingham, R.H., and Gamble, C.R., 1986, Floods during the summer of 1982 in central and east Tennessee: U.S. Geological Survey Water-Resources Investigations Report 84-4365.

012 Bingham, R.H., and Mann, K.D., 1965, Well water for home supplies in Dickson County, Tennessee: U.S. Geological Survey open-file report.

013 Bingham, R.H., and Mann, K.D., 1965, Well water for home supplies in Wayne County, Tennessee: U.S. Geological Survey open-file report.

014 Bingham, R.H., and Moore, G.K., 1963, Well water for home supplies in Montgomery County: Tennessee Division of Water Resources Hydrologic Atlas 2.

015 Blakey, J.F., 1966, Temperatures of surface waters in the conterminous United States: U.S. Geological Survey Hydrologic Investigations Atlas HA-235.

016 Bloyd, R.M., Jr., 1974, Summary appraisals of the Nation's ground-water resources--Ohio Region: U.S. Geological Survey Professional Paper 813-A.

017 Boning, C.W., 1977, Preliminary evaluation of flood frequency relations in the urban areas of Memphis, Tennessee: U.S. Geological Survey Water-Resources Investigations Report 77-132. (PB-280 310) (NTIS)

018 Boswell, E.H., Cushing, E.M., and Hosman, R.L., 1968, Quaternary aquifers in the Mississippi embayment: U.S. Geological Survey Professional Paper 448-E.

019 Boswell, E.H., Moore, G.K., MacCary, L.M., and others, 1965, Cretaceous aquifers in the Mississippi embayment, *with a discussion of* Quality of the water, by H.G. Jeffery: U.S. Geological Survey Professional Paper. 448-C.

020 Bradfield, A.D., 1986, Benthic invertebrate population characteristics as affected by water quality in coal-bearing regions of Tennessee: U.S. Geological Survey Water-Resources Investigations Report 85-4227.

021 Bradfield, A.D., 1986, Evaluation of coal-mining impacts using numerical classification of benthic invertebrate data from streams draining a heavily mined basin in eastern Tennessee: U.S. Geological Survey Water-Resources Investigations Report 85-4289.

022 Bradley, M.W., 1984, Ground water in the Dickson area of the western Highland Rim of Tennessee: U.S. Geological Survey Water-Resources Investigations Report 82-4088.

023 Bradley, M.W., 1985, Preliminary evaluation of the Central Basin aquifer system in Tennessee for receiving injected wastes: U.S. Geological Survey Water-Resources Investigations Report 84-4103.

024 Bradley, M.W., 1986, Preliminary evaluation of the Highland Rim aquifer system in Tennessee for receiving injected wastes: U.S. Geological Survey Water-Resources Investigations Report 85-4252.

025 Bradley, M.W., 1986, Preliminary evaluation of the Knox Group in Tennessee for receiving injected wastes: U.S. Geological Survey Water-Resources Investigations Report 85-4304.

026 Bradley, M.W., 1986, Surface-geophysical investigations at the North Hollywood Dump, Memphis, Tennessee, in Focus Conference of Southeastern Ground Water Issues,Tampa, Florida, 1986, Proceedings: Dublin, Ohio, National Water Well Association.

027 Bradley, M.W., and Jonas, Jil, 1981, Geologic, hydrologic and chemical data from test wells in the Dickson area, Tennessee: U.S. Geological Survey Open-File Report 81-202.

028 Brahana, J.V., 1976, Beneath the Tenn-Tom: Water Spectrum, Winter 1975-76, p. 17-24.

029 Brahana, J.V., 1982, Underground water supply, *in* Memphis Metropolitan Area Urban Water Resources Study, chapter 3: Memphis, U.S. Army Corps of Engineers.

030 Brahana, J.V., 1982, Two dimensional digital ground-water model of the Memphis Sand and equivalent units, Tennessee, Arkansas, Mississippi: U.S. Geological Survey Open-File Report 82-99.

031 Brahana, J.V., and Bradley, M.W., 1985, Delineation and description of the regional aquifers of Tennessee--the Knox aquifer in central and west Tennessee: U.S. Geological Survey Water-Resources Investigations Report 83-4012.

032 Brahana, J.V., and Bradley, M.W., 1986, Preliminary delineation and description of the regional aquifers of Tennessee--the Central Basin aquifer system: U.S. Geological Survey Water-Resources Investigations Report 82-4002.

033 Brahana, J.V., and Bradley, M.W., 1986, Preliminary delineation and description of the regional aquifers of Tennessee--Highland Rim aquifer system: U.S. Geological Survey Water-Resources Investigations Report 82-4054.

034 Brahana, J.V., Bradley, M.W., Macy, J.A., and Mulderink, Dolores, 1986, Preliminary delineation and description of the regional aquifers of Tennessee--Basal sandstone west of the Valley and Ridge province: U.S. Geological Survey Water-Resources Investigations Report 82-762.

035 Brahana, J.V., Bradley, M.W., and Mulderink, Dolores, 1986, Preliminary delineation and description of the regional aquifers of Tennessee--Tertiary aquifer system: U.S. Geological Survey Water-Resources Investigations Report 83-4011.

036 Brahana, J.V., Macy, J.A., Mulderink, Dolores, and Zemo, Dawn, 1986, Preliminary delineation and description of the regional aquifers of Tennessee--Cumberland Plateau aquifer system: U.S. Geological Survey Water-Resources Investigations Report 82-338.

037 Brahana, J.V., Mesko, T.O., Busby, J.F., and Kraemer, T.F., 1985, Ground-water quality data from the northern Mississippi embayment--Arkansas, Missouri, Kentucky, Tennessee, and Mississippi: U.S. Geological Survey Open-File Report 85-683.

038 Brahana, J.V., Mulderink, Dolores, and Bradley, M.W., 1986, Preliminary delineation and description of the regional aquifers of Tennessee--the Cretaceous aquifer system of West Tennessee: U.S. Geological Survey Water-Resources Investigations Report 83-4039.

039 Brahana, J.V., Mulderink, Dolores, Macy, J.A., and Bradley, M.W., 1986, Preliminary delineation and description of the regional aquifers of Tennessee--the East Tennessee aquifer system: U.S. Geological Survey Water-Resources Investigations Report 82-4091.

040 Brahana, J.V., Parks, W.S., and Gaydos, M.W., 1987, Quality of water from the freshwater aquifers and principal well fields in the Memphis area, Tennessee: U.S. Geological Survey Water-Resources Investigations Report 87- 4052.

041 Britton, L.J., Averett, R.C., and Ferreira, R.F., 1975, An introduction to the processes, problems, and management of urban lakes: U.S. Geological Survey Circular 601-K.

042 Bue, C.D., 1963, Principal lakes of the United States: U.S. Geological Survey Circular 476.

043 Bue, C.D., 1970, Streamflow from the United States into the Atlantic Ocean during 1931-60: U.S. Geological Survey Water-Supply Paper 1899-I.

044 Burchett, C.R., 1977, Water resources of the Upper Duck River basin, central Tennessee: Tennessee Division of Water Resources, Water Resources Series 12.

045 Burchett, C.R., and Moore, G.K., 1971, Water resources in the upper Stones River basin, central Tennessee: Tennessee Division of Water Resources, Water Resources Series 8.

046 Burchett, C.R., Zurawski, Ann, Sparkes, A.K., and Hollyday, E.F., 1983, Ground water in carbonate rocks and regolith in the Fairview area, Tennessee: U.S. Geological Survey Water-Resources Investigations Report 83-4134.

047 Busby, M.W., 1964, Yearly variations in runoff for the conterminous United States, 1931-60: U.S. Geological Survey Water-Supply Paper 1669-S.

048 Busby, M.W., 1966, Annual runoff in the conterminous United States: U.S. Geological Survey Hydrologic Investigations Atlas HA-212.

049 Carey, W.P., 1979, Sediment characteristics of the New River basin, Tennessee, *in* Proceedings Symposium on Surface Mining Hydrology, Sedimentology and Reclamation: University of Kentucky Bulletin 119, p. 197-202.

050 Carey, W.P., 1981, Errors associated with the misuse of bedload data: U.S. Geological Survey WRD Bulletin July-December 1980, p. 41-44.

051 Carey, W.P., and Simon, Andrew, 1984, Physical basis and potential estimation techniques for soil erosion parameters in the precipitation-runoff modeling system (PRMS): U.S. Geological Survey Water-Resources Investigations Report 84-4218.

052 Carrigan, P.H., Jr., 1968, Radioactive waste dilution in the Clinch River, eastern Tennessee: U.S. Geological Survey Professional Paper 433-G.

053 Carrigan, P.H., Jr., 1969, Inventory of radionuclides in bottom sediments of the Clinch River, Tennessee: U.S. Geological Survey Professional Paper 433-I.

054 Carrigan, P.H., Jr., and Pickering, R.J., 1967, Radioactive materials in bottom sediment of Clinch River--Part B, Inventory and vertical distribution of radionuclides in undisturbed cores: U.S. Atomic Energy Commission, Oak Ridge National Laboratory (Report) ORNL-3721, Supplement 2B.

055 Carrigan, P.H., Jr., Pickering, R.J., Tamura, T., and Forbes, R., 1967, Radioactive materials in bottom sediment of Clinch River--Part A, Investigations of radionuclides in upper portion of sediment: U.S. Atomic Energy Commission, Oak Ridge National Laboratory (Report) ORNL-3721, Supplement 2A.

056 Carroll, Dorothy, 1961, Soils and rocks of the Oak Ridge area, Tennessee: U.S. Geological Survey Trace Elements Investigations Report TEI 785.

057 Carter, Virginia, and Burbank, J.H., 1978, Wetland classification system for the Tennessee Valley region: Tennessee Valley Authority, Division of Forestry, Fisheries, and Wildlife Development Technical Note B24.

058 Carter, Virginia, Malone, D.L., and Burbank, J.H., 1979, Wetland classification and mapping in western Tennessee: Photogrammetric Engineering and Remote Sensing, v. 45, no. 3, p. 273-284.

059 Carter, Virginia, Voss, Alan, Malone, Donald, and Godsey, William, 1977, Wetland classification and mapping in western Tennessee: The Second Annual Pecora Memorial Symposium, October, Proceedings: Sioux Falls, South Dakota.

060 Chin, E.H., Skelton, John, and Guy, H.P., 1975, The 1973 Mississippi River basin flood--Compilation and analyses of meteorologic, streamflow, and sediment data: U.S. Geological Survey Professional Paper 937.

061 Churchill, M.A., Cragwall, J.S., Jr., Andrew, R.W., and Jones, S.L., 1965, Concentrations, total stream loads, and mass transport of radionuclides in the Clinch and Tennessee Rivers: U.S. Atomic Energy Commission Oak Ridge National Laboratory Status Report 5, Supplement 1.

062 Conant, L.C., and Swanson, V.E., 1961, Chattanooga shale and related rocks of central Tennessee and nearby areas: U.S. Geological Survey Professional Paper 357.

063 Conn, L.G., and Boyd, E.B., 1975, Flood information for selected streams in Nashville-Davidson County, Tennessee: U.S. Geological Survey open-file report.

064 Cowser, K.E., Lomenick, T.F., and McMaster, W.M., 1961, Status report on evaluation of solid waste disposal at ORNL: 1: U.S. Atomic Energy Commission, Oak Ridge National Laboratory (Report) ORNL-3035.

065 Cragwall, J.S., Jr., and Poole, J.L., 1961, The general water situation in Tennessee, *in* Tennessee Water Resource Conference, Knoxville, May 1961, Proceedings: University of Tennessee Bureau of Public Administration, p. 38-50.

066 Criner, J.H., 1970, Land subsidence measuring installation at Memphis, Tennessee: U.S. Geological Survey open-file report.

067 Criner, J.H., and Armstrong, C.A., 1958, Ground-water supply of the Memphis area: U.S. Geological Survey Circular 408.

068 Criner, J.H., and Parks, W.S., 1976, Historic water-level changes and pumpage from the principal aquifers of the Memphis area, Tennessee, 1886-1975: U.S. Geological Survey Water-Resources Investigations Report 76-67. (PB-264 778/AS) (NTIS)

069 Criner, J.H., Sun, P-C.P., and Nyman, D.J., 1964, Hydrology of the aquifer systems in the Memphis area, Tennessee: U.S. Geological Survey Water-Supply Paper 1779-O.

070 Curtis, W.F., Culbertson, J.K., and Chase, E.B., 1973, Fluvial-sediment discharge to the oceans from the conterminous United States: U.S. Geological Survey Circular 670.

071 Cushing, E.M., 1963, Water resources and the Mississippi embayment project: U.S. Geological Survey Circular 471.

072 Cushing, E.M., Boswell, E.H., and Hosman, R.L., 1964, General geology of the Mississippi embayment: U.S. Geological Survey Professional Paper 448-B.

073 Cushing, E.M., Boswell, E.H., Speer, P.R., and others, 1970, Availability of water in the Mississippi embayment: U.S. Geological Survey Professional Paper 448-A.

074 Cushing, E.M., and Richardson, R.M., 1957, Irrigation in Tennessee in 1955: Tennesee Division of Geology Information Circular 4.

075 Davis, G.H., and Wood, L.A., 1974, Water demands for expanding energy development: U.S. Geological Survey Circular 703.

076 DeBuchananne, G.D., 1951, Chapter 5. Hydrologic features, *in* Stockdale, P.B., 1951, Geological conditions at the Oak Ridge National Laboratory (X-10) area relevant to the disposal of radioactive waste: U.S. Atomic Energy Commission, Oak Ridge Operations (Report) ORO-58.

077 DeBuchananne, G.D., and Richardson, R.M., 1956, Ground-water resources of east Tennessee: Tennessee Division of Geology Bulletin 58, pt. 1.

078 Durfor, C.N., and Becker, Edith, 1964, Chemical quality of public water supplies of the United States and Puerto Rico, 1962: U.S. Geological Survey Hydrologic Investigations Atlas HA-200.

079 Durfor, C.N., and Becker, Edith, 1964, Public water supplies of the 100 largest cities in the United States, 1962: U.S. Geological Survey Water-Supply Paper 1812.

080 Durum, W.H., Hem, J.D., and Heidel, S.G., 1971, Reconnaissance of select minor elements in surface waters of the United States, October 1970: U.S. Geological Survey Circular 643.

081 Edelen, G.W., Jr., and Miller, J.F., 1976, Floods of March-April 1973 in Southeastern United States: U.S. Geological Survey Professional Paper 998.

082 Englund, K.J., 1966, Geologic map of the Ketchen quadrangle, Tennessee-Kentucky: U.S. Geological Survey Geologic Quadrangle Map GQ-500.

083 Englund, K.J., 1969, Geologic map of the Jellico west quadrangle, Kentucky-Tennessee: U.S. Geological Survey Geologic Quadrangle Map GQ-855.

084 Evaldi, R.D., 1984, Streamflow and specific-conductance data for selected sites, February 15 through April 9, 1984, near the Y-12 plant, the Oak Ridge Reservation, Tennessee: U.S. Geological Survey Open-File Report 84-625.

085 Evaldi, R.D., 1985, Streamflow and specific-conductance data for Bear Creek, August 13, 1985, the Oak Ridge Reservation, Tennessee: U.S. Geological Survey Open-File Report 85-682.

086 Evaldi, R.D., and Lewis, J.G., 1983, Base flow and ground water in upper Sweetwater Valley, Tennessee: U.S. Geological Survey Water-Resources Investigations Report 83-4068.

087 Evaldi, R.D., and Lewis, J.G., 1986, Water-quality appraisal of NASQAN stations below impoundments, eastern Tennessee: U.S. Geological Survey Water- Resources Investigations Report 85-4171.

088 Feder, G.L., and Lee, R.W., 1981, Water-quality reconnaissance of Cretaceous aquifers in the Southeastern Coastal Plain: U.S. Geological Survey Open-File Report 81-696.

089 Feth, J.H., 1973, Water facts and figures for planners and managers: U.S. Geological Survey Circular 601-I.

090 Feth, J.H., and others, 1965, Preliminary map of the conterminous United States showing depth to and quality of shallowest ground water containing more than 1,000 parts per million dissolved solids: U.S. Geological Survey Hydrologic Investigations Atlas HA-199.

091 Ficke, J.F., and Hawkinson, R.O., 1975, The National Stream Quality Accounting Network (NASQAN)--Some questions and answers: U.S. Geological Survey Circular 719.

092 Frederick, B.J., 1963, Labeling lake water with tritium: Journal of Applied Radiation and Isotopes, v. 14, p. 401-404.

093 Gamble, C.R., 1983, Cane Creek flood-flow characteristics at State Route 30 near Spencer, Tennessee: U.S. Geological Survey Open-File Report 83-267.

094 Gamble, C.R., 1983, Technique for estimating depth of floods in Tennessee: U.S. Geological Survey Water-Resources Investigations Report 83-4050.

095 Gammon, Patricia, Malone, Donald, Brooks, Paul, and Carter, Virginia, 1977, Three approaches to the classification and mapping of inland wetlands: International Remote Sensing of Environment Symposium, 11th, April 1977, Proceedings, Ann Arbor, Mich., p. 1545-1555.

096 Gaydos, M.W., 1983, Results of pesticide sampling in Tennessee: U.S. Geological Survey Open-File Report 83-148.

097 Gaydos, M.W., and others, 1982, Hydrology of Area 17, Eastern Coal Province, Tennessee: U.S. Geological Survey Water-Resources Investigations Report 81-1118.

098 Gaydos, M.W., and others, 1982, Hydrology of Area 19, Eastern Coal Province, Tennessee: U.S. Geological Survey Water-Resources Investigations Report 81-901.

099 Glenn, L.C., 1906, Underground waters of Tennessee and Kentucky west of the Tennessee River and of an adjacent area in Illinois: U.S. Geological Survey Water-Supply Paper 164.

100 Godfrey, R.G., 1961, Observation of unsteady phenomena in an open channel, *in* Short papers in the geologic and hydrologic sciences: U.S. Geological Survey Professional Paper 424-C.

101 Godfrey, R.G., and Frederick, B.J., 1970, Stream dispersion at selected sites: U.S. Geological Survey Professional Paper 433-K.

102 Gold, R.L., 1980, Low flow measurements of Tennessee streams: Tennessee Division of Water Resources, Water Resources Series 14.

103 Gold, R.L., 1981, Low-flow frequency and flow duration of Tennessee streams: U.S. Geological Survey Open-File Report 78-807.

104 Gore, J.A., Hughes, J.D., Jr., and Swartley, W.A., 1982, A survey of benthic macroinvertebrates of streams of coal surface mining areas of the Cumberland Plateau in Tennessee: U.S. Geological Survey Open-File Report 82-773.

105 Graham, D.D., 1979, Potentiometric surface of the Memphis Sand in the Memphis area, Tennessee, August 1978: U.S. Geological Survey Water-Resources Investigations Report 79-80.

106 Graham, D.D., 1983, Effects of urban development on the aquifers in the Memphis area, Tennessee: U.S. Geological Survey Water-Resources Investigations Report 82-4024

107 Graham, D.D., 1985, Test well installation and water quality, Hollywood Dump area, Memphis, Tennessee: U.S. Geological Survey Water-Resources Investigations Report 84-4214.

108 Graham, D.D., and Parks, W.S., 1986, Potential for leakage among principal aquifers in the Memphis area, Tennessee: U.S. Geological Survey Water- Resources Investigations Report 85-4295.

109 Grover, N.C., 1938, Floods of the Ohio and Mississippi Rivers, January-February 1937, *with a section on* Flood deposits of the Ohio River, January-February 1937, by G.R. Mansfield: U.S. Geological Survey Water-Supply Paper 838.

110 Guy, H.P., 1970, Sediment problems in urban areas: U.S. Geological Survey Circular 601-E.

111 Hamilton, Warren, 1961, Geology of the Richardson Cove and Jones Cove quadrangles Tennessee: U.S. Geological Survey Professional Paper 349-A.

112 Hardison, C.H., and Martin, R.O.R., 1963, Low-flow frequency curves for selected long-term stream-gaging stations in eastern United States: U.S. Geological Survey Water-Supply Paper 1669-G.

113 Harris, L.D., 1973, Area of possible flooding in Knox County, Tennessee: U.S. Geological Survey Miscellaneous Investigations Series Map 767-M.

114 Harris, L.D., 1973, Basins drained by sinkholes in Knox County, Tennessee: U.S. Geological Survey Miscellaneous Investigations Series Map 767-G.

115 Hass, W.H., 1956, Age and correlation of the Chattanooga Shale and the Maury Formation: U.S. Geological Survey Professional Paper 286.

116 Hem, J.D., 1970, Study and interpretation of the chemical characteristics of natural water, 2d ed.: U.S. Geological Survey Water-Supply Paper 1473.

117 Herrick, S.M., and Rima, D.R., 1968, Foraminifera from the Clayton Formation (Paleocene) in southeastern Hardeman County, Tennessee, *in* Geological Survey Research 1968, Chapter C: U.S. Geological Survey Professional Paper 600-C., p. C69-C74.

118 Hollyday, E.F., and Goddard, P.L., 1979, Ground-water availability in carbonate rocks of the Dandridge area, Jefferson County, Tennessee: U.S. Geological Survey Open-File Report 79-1263.

119 Hollyday, E.F., and Hansen, G.R., 1983, Use of digital land-cover data from the Landsat satellite in estimating streamflow characteristics in the Cumberland Plateau of Tennessee: U.S. Geological Survey Water-Resources Investigations Report 82-4059.

120 Hollyday, E.F., Moore, G.K., and Burchett, C.R., 1973, Preliminary assessment of a Tennessee lineament, *in* Shahrokhi, F., ed., Remote sensing of earth resources, v. 2: Tullahoma, Tenn., University of Tennessee Space Institute, p. 119-128.

121 Hollyday, E.F., and others, 1983, Hydrology of Area 20, Eastern Coal Province, Tennessee, Georgia, and Alabama: U.S. Geological Survey Water-Resources Investigations Report 82-440.

122 Hollyday, E.F., and Sauer, S.P., 1976, Mapping and measuring land-cover characteristics of New River basin, Tennessee, using Landsat digital tapes: U.S. Geological Survey Water-Resources Investigations Report 76-106.

123 Hoos, A.B., and Bailey, Z.C., 1986, Reconnaissance of surficial geology, regolith thickness, and configuration of the bedrock surface in Bear Creek and Union Valley near Oak Ridge, Tennessee: U.S. Geological Survey Water-Resources Investigations Report 86-4165.

124 Hosman, R.L., Long, R.T., Lambert, T.W., and others, 1968, Tertiary aquifers in the Mississippi embayment: U.S. Geological Survey Professional Paper 448-D.

125 Hufschmidt, P. W., and others, 1981, Hydrology of Area 16, Eastern Coal Province, Virginia, and Tennessee: U.S. Geological Survey Water-Resources Investigations Report 81-204.

126 Jarvis, C.S., and others, 1936, Floods in the United States--Magnitude and frequency: U.S. Geological Survey Water-Supply Paper 771.

127 Jenkins, C.T., 1960, Floods in Tennessee, magnitude and frequency: Tennessee Department of Highways.

128 Jenne, E.A., and Wahlberg, J.S., 1968, Role of certain stream-sediment components in radioion sorption: U.S. Geological Survey Professional Paper 433-F.

129 Jennings, M.E., Carey, W.P., and Blevins, D.W., 1980, Field studies for verification of surface mining hydrologic models, *in* Sedimentology and Reclamation, Surface Mining Hydrology Symposium, Proceedings: University of Kentucky Bulletin 123, p. 47-53.

130 Johnson, A.M.F., and Randolph, W.J., 1962, Floods on Chattanooga Creek, Chattanooga, Tennessee: U.S. Geological Survey open-file report.

131 Johnson, A.M.F., and Wilson, J.M., 1970, Water use in Tennessee--Part C, Municipal water use: Tennessee Division of Water Resources Water-Use Series 4.

132 Johnson, A.M.F., Wilson, J.M., and Nichols, H.B., 1968, Water use in Tennessee--Part A, Agriculture water use: Tennessee Division of Water Resources Water-Use Series 2.

133 Keys, W.S., Sentfle, F.E., and Tanner, A.B., 1979, Use of NaI (Tl) and germanium detectors for in-site $\gamma$-ray spectral monitoring of borcholes at nuclear waste-disposal sites: U.S. Geological Survey Open-File Report 79-1220.

134 King, P.B., 1964, Geology of the Central Great Smoky Mountains Tennessee: U.S. Geological Survey Professional Paper 349-C.

135 King, W.R., 1925, Water resources of Tennessee: Tennessee Division of Geology Bulletin 34.

136 King, W.R., 1931, Surface waters of Tennessee: Tennessee Division of Geology Bulletin 40.

137 Kung, T., and Garrett, J.W., 1985, Erosion and sediment transport in the Reelfoot Creek watershed: Mississippi Water Resources Conference Proceedings.

138 Lanphere, C.R., 1955, Geologic source and chemical quality of public ground-water supplies in western Tennessee: Tennessee Division of Geology Report Investigation 1.

139 LeGrand, H.E., 1967, Ground water of the Piedmont and Blue Ridge provinces in the Southeastern States: U.S. Geological Survey Circular 538.

140 Leifeste, D.K., 1974, Dissolved-solids discharge to the oceans from the conterminous United States: U.S. Geological Survey Circular 685.

141 Leist, D.W., and others, 1982, Hydrology of Area 15, Eastern Coal Province, Kentucky and Tennessee: U.S. Geological Survey Water-Resources Investigations Report 81-809.

142 Leopold, L.B., 1968, Hydrology for urban land planning--A guidebook on the hydrologic effects of urban land use: U.S. Geological Survey Circular 554.

143 Leopold, L.B., Clarke, F.E., Hanshaw, B.B., and Balsley, J.R., 1971, A procedure for evaluating environmental impact: U.S. Geological Survey Circular 645.

144 Lohr, E.W., and Love, S.K., 1954, The industrial utility of public water supplies in the United States, 1952--Part 1, States east of the Mississippi River: U.S. Geological Survey Water-Supply Paper 1299.

145 Lowery, J.F., Counts, P.H., Edmiston, H.L., and Edwards, F.D., 1983, Water resources data for Tennessee--Water Year 1982: U.S. Geological Survey Water-Data Report TN-82-1.

146 Lowery, J.F., Counts, P.H., Edmiston, H.L., and Edwards, F.D., 1984, Water resources data for Tennessee--Water Year 1983: U.S. Geological Survey Water-Data Report TN-83-1.

147 Lowery, J.F., Counts, P.H., Edmiston, H.L., and Edwards, F.D., 1985, Water resources data for Tennessee--Water Year 1984: U.S. Geological Survey Water-Data Report TN-84-1.

148 Lowery, J.F., Counts, P.H., Edmiston, H.L., and Edwards, F.D., 1986, Water resources data for Tennessee--Water Year 1985: U.S. Geological Survey Water-Data Report TN-85-1.

149 MacKichan, K.A., 1951, Estimated use of water in the United States, 1950: U.S. Geological Survey Circular 115.

150 MacKichan, K.A., 1957, Estimated use of water in the United States, 1955: U.S. Geological Survey Circular 398.

151 MacKichan, K.A., and Kammerer, J.C., 1961, Estimated use of water in the United States, 1960: U.S. Geological Survey Circular 456.

152 Maclay, R.W., 1962, Geology and ground-water resources of the Elizabethton-Johnson City area, Tennessee: U.S. Geological Survey Water-Supply Paper 1460-J.

153 Marcher, M.V., Bingham, R.H., and Lounsbury, R.E.,1964, Ground-water geology of the Dickson, Lawrenceburg, and Waverly areas of the western Highland Rim, Tennessee: U.S. Geological Survey Water-Supply Paper 1764.

154 Martin, R.O.R., and Hanson, R.L., 1966, Reservoirs in the United States: U.S. Geological Survey Water-Supply Paper 1838.

155 Mathai, H.F., 1979, Hydrologic and human aspects of the 1976-77 drought: U.S. Geological Survey Professional Paper 1130.

156 May, V.J., 1985, Base-flow characteristics of segments of the Piney River, and East and West Piney Rivers, Dickson and Hickman Counties, Tennesee: U.S. Geological Survey Open-File Report 85-155.

157 May, V.J., and others, 1981, Hydrology of Area 18, Eastern Coal Province, Tennessee: U.S. Geological Survey Water-Resources Investigations Report 81-492.

158 May, V.J., and others, 1983, Hydrology of Area 21, Eastern Coal Province, Tennessee, Alabama, and Georgia: U.S. Geological Survey Water-Resources Investigations Report 82-679.

159 May, V.J., Wood, G.H., and Rima, D.R., 1970, A proposed streamflow-data program for Tennessee: U.S. Geological Survey open-file report.

160 McGuinness, C.L., 1963, The role of ground water in the national water situation: U.S. Geological Survey Water-Supply Paper 1800.

161 McGuinness, C.L., 1964, Generalized map showing annual runoff and productive aquifers in the conterminous United States: U.S. Geological Survey Hydrologic Investigations Atlas HA-194.

162 McLemore, C.K., 1958, Irrigation in Tennessee: Tennessee Division of Water Resources Water-Use Series 1.

163 McMaster, W.M., 1962, Geologic map of the Oak Ridge area Tennessee: Tennessee Valley Authority, 1 sheet, scale 1:31,680.

164 McMaster, W.M., 1963, Geologic map of the Oak Ridge Reservation, Tennessee: U.S. Atomic Energy Commission Oak Ridge National Laboratory Technical Manuscript 713.

165 McMaster, W.M., 1967, Hydrologic data for the Oak Ridge area, Tennessee: U.S. Geological Survey Water-Supply Paper 1839-N.

166 McMaster, W.M., 1973, Ground-water yield potential in Knox County, Tennessee: U.S. Geological Survey Miscellaneous Investigations Series Map 767-E.

167 McMaster, W.M., and Hubbard, E.F., 1970, Water resources of the Great Smoky Mountains National Park, Tennessee and North Carolina: U.S. Geological Survey Hydrologic Investigations Atlas HA-420.

168 McMaster, W.M., and Waller, H.D., 1965, Geology and soils of White Oak Creek basin, Tennessee: U.S. Atomic Energy Commission, Oak Ridge National Laboratory (Report) ORNL-1108.

169 Mesnier, G.N., and Iseri, K.T. (compilers), 1963, Selected techniques in water resources investigation: U.S. Geological Survey Water-Supply Paper 1669-Z.

170 Milici, R.C., Briggs, Garrett, Knox, L.M., Sitterly, P.D., and Statler, A.T., 1979, The Mississippian and Pennsylvanian (Carboniferous) systems in the United States-Tennessee: U.S. Geological Survey Professional Paper 1110-G.

171 Milici, R.C., and Wedow, Helmuth, Jr., 1977, Upper Ordovician and Silurian stratigraphy in Sequatchie Valley and parts of the adjacent Valley and Ridge, Tennessee: U.S. Geological Survey Professional Paper 996.

172 Moore, G.K., 1962, Downdip changes in chemical quality of water in the "500-foot" sand of western Tennessee, *in* Short papers in geology and hydrology, Articles 60-119, Art. 115: U.S. Geological Survey Professional Paper 450-C, p. C133-C134.

173 Moore, G.K., 1965, Geology and hydrology of the Claiborne group, western Tennessee: U.S. Geological Survey Water-Supply Paper 1809-F.

174 Moore, G.K., 1973, Hydraulics of sheet-like solution cavities: Ground Water, v. 11, no. 4.

175 Moore, G.K., and Bingham, R.H., 1965, Availability of ground water in western Highland Rim, Tennessee: Journal of the Tennessee Academy of Science, v. 40, no. 1, p. 22-26.

176 Moore, G.K., and Brown, D.L., 1969, Stratigraphy of the Fort Pillow test well, Lauderdale County, Tennessee: Tennessee Division of Geology Report Investigation 26.

177 Moore, G.K., Burchett, C.R., and Bingham, R.H., 1969, Limestone hydrology in the upper Stones River basin, Tennessee: Tennessee Division of Water Resources, Water Resources Research 1.

178 Moore, G.K., and Hollyday, E.F., 1975, Prospecting for ground water with SKYLAB photographs, Central Tennessee, *in* Shahrokhi, F., ed., Remote sensing of earth resources, v. 4: Tullahoma, Tenn., University of Tennessee Space Institute, p. 499-519.

179 Moore, G.K., and Wilson, J.M., 1972, Water resources of the Center Hill Lake region, Tennessee: Tennesse Division of Water Resources, Water Resources Series 9.

180 Moore, J.L., Parks, W.S., and Berwind, M.B., 1987, Mineral resources summary of the Paris quadrangle, Tennessee: Tennessee Division of Geology MRS 8-SE, 9 p.

181 Mulderink, Dolores, and Bradley, M.W., 1986, Preliminary evaluation of the basal sandstone in Tennessee for receiving injected wastes: U.S. Geological Survey Water-Resources Investigations Report 85-4303.

182 Murray, C.R., 1968, Estimated use of water in the United States, 1965: U.S. Geological Survey Circular 556.

183 Murray, C.R., and Reeves, E.B., 1972, Estimated use of water in the United States in 1970: U.S. Geological Survey Circular 676.

184 Nave, E., ed., 1961, Tennessee's water resources: Tennessee Division of Water Resources, Water Resources Series 2.

185 Neely, B.L., Jr., 1984, Flood frequency and storm runoff of urban areas of Memphis and Shelby County, Tennessee: U.S. Geological Survey Water-Resources Investigations Report 84-4110.

186 Neely, B.L., and Bingham, R.H., 1986, Investigation of the need for discharge adjustments for unsteady flow at selected gaging stations on streams in Tennessee: U.S. Geological Survey Water-Resources Investigations Report 84-4144.

187 Neuman, R.B., 1955, Middle Ordovician rocks of the Tellico-Sevier belt, eastern Tennessee: U.S. Geological Survey Professional Paper 274-F.

188 Neuman, R.B., and Nelson, W.H., 1965, Geology of the Western Great Smoky Mountains, Tennessee: U.S. Geological Survey Professional Paper 349-D.

189 Newcome, Roy, Jr., 1958, Ground water in the central basin of Tennessee--A progress report: Tennessee Division of Geology Report of Investigation no. 4.

190 Newcome, Roy, Jr., and Smith, Ollie, Jr., 1958, Ground-water resources of the Cumberland Plateau in Tennessee--A reconnaissance report: Tennessee Division of Water Resources Series 1.

191 Newcome, Roy, Jr., and Smith, Ollie, Jr., 1962, Geology and ground-water resources of the Knox dolomite in middle Tennessee: Tennessee Division of Water Resources, Water Resources Series 4.

192 Nyman, D.J., 1965, Origin of clastic dikes in the Porters Creek clay at Pinson, Tennessee: Journal of the Tennessee Academy of Science, v. 40, no. 4.

193 Nyman, D.J., 1965, Predicted hydrologic effects of pumping from the New Lichterman well field in the Memphis area, Tennessee: U.S. Geological Survey Water-Supply Paper 1819-B.

194 Nyman, D.J., and Moore, G.K., 1963, Summary of the ground-water resources of Madison County: Tennessee Division of Water Resources Hydrologic Atlas 1.

195 O'Connell, D.R., Bufe, C.G., and Zoback, M.D., 1982, Microearthquakes and faulting in the area of New Madrid, Missouri--Reelfoot Lake, Tennessee, *in* Investigations of the New Madrid, Missouri, earthquake region: U.S. Geological Survey Professional Paper 1236-D.

196 Parker, F.L., Churchill, M.A., Andrew, R.W., Frederick, B.J., Carrigan, P.H., Cragwall, J.S., Jones, S.L., Struxness, E.G., and Morton, R.J., 1966 Dilution, dispersion, and mass transport of radionuclides in the Clinch-Tennessee Rivers: Symposium on the Disposal of Radioactive Wastes into Seas, Oceans, and Surface Waters, Vienna, 1966, International Atomic Energy Agency, SM-72/4.

197 Parker, R.S., and Carey, W.P., 1980, The quality of water discharging from the New River and Clear Fork basins, Tennessee: U.S. Geological Survey Water-Resources Investigations Report 80-37. (NTIS)

198 Parks, W.S., 1968, Geologic map of the Beech Bluff quadrangle, Tennessee: Tennessee Division of Geology GM 446-SW, scale 1:24,000.

199 Parks, W.S., 1968, Geologic map of the Claybrook quadrangle, Tennessee: Tennessee Division of Geology GM 446-NW, scale 1:24,000.

200 Parks, W.S., 1968, Geologic map of the Hebron quadrangle, Tennessee: Tennessee Division of Geology GM 440-NW, scale 1:24,000.

201 Parks, W.S., 1968, Geologic map of the Jackson South quadrangle, Tennessee: Tennessee Division of Geology GM 438-SE, scale 1:24,000.

202 Parks, W.S., 1968, Geologic map of the Juno quadrangle, Tennessee: Tennessee Division of Geology GM 446-NE, scale 1:24,000.

203 Parks, W.S., 1968, Geologic map of the Medon quadrangle, Tennessee: Tennessee Division of Geology GM 439-NE, scale 1:24,000.

204 Parks, W.S., 1968, Geologic map of the Rose Creek quadrangle, Tennessee: Tennessee Division of Geology GM 4-NW, scale 1:24,000.

205 Parks, W.S., 1968, Geologic map of the Silerton quadrangle, Tennessee: Tennessee Division of Geology GM 439-SE, scale 1:24,000.

206 Parks, W.S., 1971, Tertiary and Quaternary stratigraphy in Henry and northern Carroll Counties, Tennessee: Journal of the Tennessee Academy of Science, v. 146, p. 57-62.

207 Parks, W.S., 1973, Geologic map of the Southwest Memphis quadrangle, Tennessee: U.S. Geological Survey open-file report.

208 Parks, W.S., 1974, Geologic map of the Bolivar East quadrangle, Tennessee: Tennessee Division of Geology GM 439-SW, scale 1:24,000.

209 Parks, W.S., 1974, Geologic map of the Mansfield quadrangle, Tennessee: Tennessee Division of Geology GM 9-NE, scale 1:24,000.

210 Parks, W.S., 1974, Geologic map of the Palmer Shelter quadrangle, Tennessee: Tennessee Division of Geology GM 10-NW, scale 1:24,000.

211 Parks, W.S., 1974, Geologic map of the Southeast Memphis quadrangle, Tennessee: U.S. Geological Survey open-file report.

212 Parks, W.S., 1975, Geologic map of the Germantown quadrangle, Tennessee: U.S. Geological Survey open-file report.

213 Parks, W.S., 1976, Geologic map of the Clarksburg quadrangle, Tennessee: Tennessee Division of Geology GM 10-SW, scale 1:24,000.

214 Parks, W.S., 1976, Geologic map of the Puryear quadrangle, Tennessee: Tennessee Division of Geology GM 8-NE, scale 1:24,000.

215 Parks, W.S., 1977, Geologic map of the Teague quadrangle, Tennessee: U.S. Geological Survey open-file report.

216 Parks, W.S., 1977, Geologic map of the Ellendale quadrangle, Tennessee: U.S. Geological Survey Open-File Report 77-752.

217 Parks, W.S., 1978, Geologic map of the Tennessee portion of the Fletcher Lake quadrangle, Tennessee (including portions of adjacent quadrangle to the north, west, and south): Tennessee Division of Geology GM 404-SW.

218 Parks, W.S., 1979, Geologic map of the Northeast Memphis quadrangle, Tennessee: U.S. Geological Survey Open-File Report 79-1268.

219 Parks, W.S., 1979, Geologic map of the Tennessee portion of the Northwest Memphis quadrangle, Tennessee: U.S. Geological Survey Open-File Report 79-1269.

220 Parks, W.S., 1981, Appraisal of hydrologic information needed in anticipation of lignite mining in Lauderdale County, Tennessee: U.S. Geological Survey Water-Resources Investigations Report 80-54. (PB-81 239 428) (NTIS)

221 Parks, W.S., 1986, Geologic map of the Cedar Grove quadrangle, Tennessee: Tennessee Division of Geology GM 445-SE, scale 1:24,000.

222 Parks, W.S., 1987, Geologic map of the Paris quadrangle, Tennessee: Tennessee Division of Geology GM 8-SE, scale 1:24,000.

223 Parks, W.S., 1987, Indications of downward leakage from the water-table aquifers to the principal artesian aquifer at Memphis, Tennessee: Proceedings of Mississippi Water Resources Conference, Jackson, Mississippi, March 25-26, 1987.

224 Parks, W.S., Carmichael, J.K., and Graham, D.D., 1985, Preliminary assessment of ground-water resources of Lauderdale County, Tennessee: U.S. Geological Survey Water-Resources Investigations Report 84-4104.

225 Parks, W.S., Graham, D.D., and Lowery, J.F., 1981, Chemical character of ground water in the shallow water-table aquifer at selected localities in the Memphis area, Tennessee: U.S. Geological Survey Open-File Report 81-223.

226 Parks, W.S., Graham, D.D., and Lowery, J.F., 1982, Installation and sampling of observation wells and analyses of water from the shallow aquifer at selected waste-disposal sites in the Memphis area, Tennessee: U.S. Geological Survey Open-File Report 82-266.

227 Parks, W.S., and Lounsbury, R.W., 1975, Environmental geology of Memphis, *in* Field trips in west Tennessee: Tennessee Division of Geology Report Investigations 36, p. 35-63.

228 Parks, W.S., and Lounsbury, R.W., 1976, Summary of some current and possible future environmental problems related to geology and hydrology at Memphis, Tennessee: U.S. Geological Survey Water-Resources Investigations Report 4-76. (PB-264 513/AS) (NTIS)

229 Parks, W.S., and Moore, J.L., 1986, Mineral resources summary of the Cedar Grove quadrangle, Tennessee: Tennessee Division of Geology MRS 445-SE.

230 Parks, W.S., and Russell, E.E., 1975, Geologic map showing Upper Cretaceous, Paleocene, and lower and middle Eocene units and distribution of younger fluvial deposits in western Tennessee: U.S. Geological Survey Miscellaneous Investigations Series Map I-916.

231 Parks, W.S., and Wilson, C.W., Jr., 1974, Mineral resources summary of the Bolivar East quadrangle, Tennessee: Tennessee Division of Geology MRS 439-SW.

232 Pennington, Wendell, 1981, Benthic populations of thirty three stream locations draining coal reserves of Tennessee: Tennessee Cooperative Fishery Research Unit, Tennessee Technological University, report to U.S. Geological Survey under contract number 14-16-0009-80-941.

233 Perry, W.J., 1961, Surface water in impoundment of the Harpeth River--A resource study of the upper Harpeth River watershed: Tennessee Division of Water Resources, Water Resources Series 3, p. 9-21.

234 Perry, W.J., and Moore, G.K., 1965, Availability of water for industry in Montgomery County, Tennessee: Tennessee Division of Water Resources Hydrologic Atlas 4.

235 Pickering, R.J., 1965, Use of Swedish Foil Sampler for taking undisturbed cores of river bottom sediments, *in* Proceedings of Federal Interagency Sedimentation Conference, 1963: U.S. Department of Agriculture Miscellaneous Publication 970, p. 586-589.

236 Pickering, R.J., 1966, River-bottom sediment sampling with a Swedish Foil Sampler, *in* Selected techniques in water resources investigations: U.S. Geological Survey Water-Supply Paper 1822, p. 94-99.

237 Pickering, R.J., 1969, Distribution of radionuclides in the Clinch River bottom sediment: U.S. Geological Survey Professional Paper 433-H.

238 Pickering, R.J., 1970, The composition of water in the Clinch River, the Tennessee River, and Whiteoak Creek as related to the disposal of low-level radioactive wastes: U.S. Geological Survey Professional Paper 433-J.

239 Pickering, R.J., Carrigan, P.H., Jr., and Parker, F.L., 1965, The Clinch River study--An investigation of the fate of radionuclides released to a surface stream: U.S. Geological Survey Circular 497.

240 Pickering, R.J., Carrigan, P.H., Jr., Tamura, Tsuneo, Abee, H.H., Beverage, J.W., and Andrew, R.W., Jr., 1966, Radioactivity in bottom sediment of the Clinch and Tennessee Rivers: Symposium on the Disposal of Radioactive Wastes into Seas, Oceans, and Surface Waters, Vienna, 1966, International Atomic Energy Agency, SM-72/4.

241 Piper, A.M., 1932, Ground water in north-central Tennessee: U.S. Geological Survey Water-Supply Paper 640.

242 Piper, A.M., 1969, Disposal of liquid wastes by injection underground--Neither myth nor millenium: U.S. Geological Survey Circular 631.

243 Pulliam, P.J., 1985, Water-quality data for 34 sites, April and June 1984, near Y-12 plant, the Oak Ridge Reservation, Tennessee: U.S. Geological Survey Open-File Report 85-165.

244 Pulliam, P.J., 1985 Water-quality data for 35 sites, September 1984, near the Y-12 plant, the Oak Ridge Reservation, Tennessee: U.S. Geological Survey Open-File Report 85-553.

245 Quinones, Ferdinand, Balthrop, B.H., and Baker, E.G., 1987, Water resources investigations in Tennessee: Programs and activities of the U.S. Geological Survey, 1986-1987: U.S. Geological Survey Open-File Report 87-231.

246 Rainwater, F.H., 1962, Stream composition of the conterminous United States: U.S. Geological Survey Hydrologic Investigations Atlas HA-61.

247 Randolph, W.J., and Frye, P.M., 1964, Floods on Mill Creek near Antioch, Tennessee: U.S. Geological Survey open-file report.

248 Randolph, W.J., and Gamble, C.R., 1973, Wolf River at Memphis--Floodflow characteristics along proposed Interstate Highway 240: U.S. Geological Survey open-file report.

249 Randolph, W.J., and Gamble, C.R., 1976, Technique for estimating magnitude and frequency of floods in Tennessee: Tennessee Department of Transportation.

250 Randolph, W.J., and Gamble, C.R., 1979, Sugartree Creek floodflow characteristics 0.5 mile upstream from Estes Road, Davidson County, Tennessee: U.S. Geological Survey Open-File Report 79-342.

251 Reesman, A.L., and Godfrey, A.E., 1970, Chemical quality of streams draining the central basin of Tennessee: Tennessee Division of Water Resources, Water Resources Research 2.

252 Richardson, R.M., 1955, Mine pumping reduced by control of surface water at Jefferson City, Tennessee: U.S. Geological Survey open-file report.

253 Richardson, R.M., 1956, Tidal fluctuations of water level observed in wells in east Tennessee: American Geophysical Union Transaction, v. 37, no. 4, p. 461-462.

254 Rickert, D.A., and Spieker, A.M., 1972, Real-estate lakes: U.S. Geological Survey Circular 601-G.

255 Rima, D.R., 1966, Natural buried reservoirs in western Kentucky and Tennessee: American Water Works Association Journal, v. 58, no. 5, p. 573-579.

256 Rima, D.R., 1979, Susceptibility of the Memphis water supply to contamination from the pesticide waste disposal site in northeastern Hardeman County, Tennessee: U.S. Geological Survey Open-File Report 79-750.

257 Rima, D.R., Brown, E., Goerlitz, D.F., and Law, L.M., 1967, Potential contamination of the hydrologic environment from the pesticide waste dump in Hardeman County, Tennessee: U.S. Geological Survey open-file report.

258 Rima, D.R., Chase, E.B., and Myers, B.M., 1971, Subsurface waste disposal by means of wells--A selective annotated bibliography: U.S. Geological Survey Water-Supply Paper 2020.

259 Rima, D.R., and Goddard, P.L., 1979, Ground-water resources in the metropolitan region of Nashville, Tennessee: U.S. Army Corps of Engineers, Nashville District.

260 Rima, D.R., Moran, M.S., and Woods, E.J., 1977, Ground-water supplies in the Murfreesboro area, Tennesssee: U.S. Geological Survey Water-Resources Investigations Report 77-86. (NTIS)

261 Rima, D.R., and Mull, D.S., 1980, Ground-water resources in the Cumberland River basin, Kentucky-Tennessee: U.S. Geological Survey Open-File Report 80-202.

262 Robbins, C.H., 1979, Low-flow hydrology of Sulfur Fork Red River basin, Robertson County, north-central Tennessee: U.S. Geological Survey Water-Resources Investigations Report 79-77.

263 Robbins, C.H., 1982, Effects of urbanization of the magnitude and frequency of floods on small streams in Tennessee--Basic data report No. 2: U.S. Geological Survey Open-File Report 82-911.

264 Robbins, C.H., 1984, Effects of urbanization on the magnitude and frequency of floods on small streams in Tennessee--Basic data report No. 3: U.S. Geological Survey Open-File Report 84-242.

265 Robbins, C.H., 1984, Synthesized flood frequency for small urban streams in Tennessee: U.S. Geological Survey Water-Resources Investigations Report 84-4182.

266 Robbins, C.H., 1985, Hydrology of the Reelfoot Lake basin, Obion and Lake Counties, northwestern Tennessee: U.S. Geological Survey Water-Resources Investigations Report 85-4097.

267 Robbins, C.H., 1985, Water budget and estimated suspended-sediment inflow for Reelfoot Lake, Obion and Lake Counties, northwestern Tennessee, May 1984-April 1985: U.S. Geological Survey Water-Resources Investigations Report 85-4284.

268 Robbins, C.H., 1986, Techniques for simulating flood hydrographs and estimating flood volumes for ungaged basins in central Tennessee: U.S. Geological Survey Water-Resources Investigations Report 86-4192.

269 Robbins, C.H., Gamble, C.R., and Bingham, R.H., 1986, Flood of September 12-13, 1982 in Gibson, Carroll, and Madison Counties, western Tennessee: U.S. Geological Survey Water-Resources Investigations Report 85-4037, 1 sheet.

270 Robbins, C.H., Garrett, J.W., and Mulderink, D.M., 1985, May 1984-April 1985 water budget of Reelfoot Lake with estimates of sediment inflow and concentrations of pesticides in bottom material in tributary streams--Basic data report: U.S. Geological Survey Open-File Report 85-498.

271 Robbins, C.H., and Simon, Andrew, 1983, Man-induced channel adjustment in Tennessee streams: U.S. Geological Survey Water-Resources Investigations Report 82-4098.

272 Rodgers, John, 1952, Geological map of the Niota quadrangle, Tennessee: U.S. Coast and Geodetic Survey, U.S. Geological Survey, and Tennessee Valley Authority.

273 Runner, G.S., and Chin, E.H., 1980, Flood of April 1977 in the Appalachian Region of Kentucky, Tennessee, Virginia, and West Virginia: U.S. Geological Survey Professional Paper 1098.

274 Russell, E.E., and Parks, W.S., 1975, Stratigraphy of the outcropping upper Cretaceous, Paleocene, and lower Eocene in western Tennessee (including descriptions of younger fluvial deposits): Tennessee Division of Geology Bulletin 75.

275 Sauer, S.P., 1978, Summary of data from Hatchie River sediment project, January 1977 to May 1978: U.S. Geological Survey open-file report.

276 Schneider, Robert, 1947, Ground-water conditions and problems in the upper Mississippi River embayment: Economic Geology, v. 42, no. 7, p. 626-633.

277 Schneider, Robert, and Cushing, E.M., 1948, Geology and water-bearing properties of the "1,400-foot" sand in the Memphis area: U.S. Geological Survey Circular 33.

278 Schneider, W.J., 1970, Hydrologic implications of solid-waste disposal: U.S. Geological Survey Circular 601-F.

279 Schneider, W.J., and Goddard, J.E., 1974, Extent and development of urban flood plains: U.S. Geological Survey Circular 601-J.

280 Schneider, W.J., Rickert, D.A., and Spieker, A.M., 1973, Role of water in urban planning and management: U.S. Geological Survey Circular 601-H.

281 Schneider, W.J., and Spieker, A.M., 1969, Water for the cities--The outlook: U.S. Geological Survey Circular 601-A.

282 Schreurs, R.L., and Marcher, M.V., 1959, Geology and ground-water resources of the Dyersburg quadrangle, Tennessee: Tennessee Division of Geology Report Investigation 7.

283 Signor, D.C., Growitz, D.J., and Kam, William, 1970, Annotated bibliography on artificial recharge of ground water, 1955-67: U.S. Geological Survey Water-Supply Paper 1990.

284 Simon, Andrew, and Hupp, C.R., 1986, Channel widening characteristics and bank slope development along a reach of Cane Creek, West Tennessee, *in* Subitzky, Seymour, ed., Selected papers in the hydrologic sciences: U.S. Geological Survey Water-Supply Paper 2290.

285 Simon, Andrew, and Robbins, C.H., 1986, Man-induced gradient adjustment of the South Fork Forked Deer River, West Tennessee: Journal of Environmental Geology and Water Science, v. 9, no. 2.

286 Smith, Ollie, Jr., 1961, Impoundment of the Harpeth River: Tennessee Division of Water Resources, Water Resources Series 3.

287 Smith, Ollie, Jr., 1962, Ground-water resources and municipal water supplies of the Highland Rim in Tennessee: Tennessee Division of Water Resources, Water Resources Series 4.

288 Snowden, J.O., Jr., Priddy, R.R., 1968, Geology and water-bearing properties of the "1,400-foot" sand in the Memphis area: U.S. Geological Survey Circular 33.

289 Speer, P.R., and Gamble, C.R., 1964, Magnitude and frequency of floods in the United States--Part 3-B, Cumberland and Tennessee River basins: U.S. Geological Survey Water-Supply Paper 1676.

290 Speer, P.R., Perry, W.J., McCabe, J.A., Lara, O.G., and others, 1965, Low-flow characteristics of streams in the Mississippi embayment in Tennessee, Kentucky, and Illinois, *with a section on* Quality of water, by H.G. Jeffery: U.S. Geological Survey Professional Paper 448-H.

291 Sprinkle, C.L., 1977, The Tennessee ground-water quality sampling program for FY 1977: U.S. Geological Survey open-file report.

292 Sprinkle, C.L., 1978, Leachate migration from a pesticide waste disposal site in Hardeman County, Tennessee: U.S. Geological Survey Water-Resources Investigations Report 78-128.

293 Stearns, R.G., and Wilson, J.M., 1971, Hydrology, geology, and erosion by leaching in Skillman basin of the Western Highland Rim, Lawrence County, Tennessee: Tennessee Division of Water Resources, Water Resources Research 3.

294 Steuber, A.M., Webster, D.A., Munro, I.M., Farrow, N.D., and Scott, T.G., 1981, An investigation of radionuclide release from Solid-Waste Disposal Area 3, Oak Ridge National Laboratory: U.S. Department of Energy, Oak Ridge National Laboratory Report ORNL/TM-7323.

295 Strausberg, S.I., and Schreurs, R.L., 1957, Ground-water resources of the Mississippi Alluvial Valley of Tennessee: U.S. Geological Survey open-file report.

296 Struxness, E.G., Carrigan, P.H., Jr., Churchill, M.A., Cowser, K.E., Morton, R.J., Nelson, D.J., and Parker, F.L., 1967, Comprehensive report of the Clinch River study: U.S. Atomic Energy Commission, Oak Ridge National Laboratory (Report) ORNL-4035.

297 Sun, R.J., 1975 Geohydrologic evaluation of a site for disposal of radioactive wastes by grout injection and hydraulic fracturing at Holifield National Laboratory (formerly Oak Ridge National Laboratory), Oak Ridge, Tennessee: U.S Geological Survey Open-File Report 75-671.

298 Sun, R.J., 1977, Possibility of triggering earthquakes by injection of radioactive wastes in shale at Oak Ridge National Laboratory, Tennessee: U.S. Geological Survey Journal of Research, v. 5, no. 2, p. 253-262.

299 Sun, P-C.P., Criner, J.H., and Poole, J.L., 1963, Large springs of east Tennessee: U.S. Geological Survey Water-Supply Paper 1755.

300 Swingle, G.D., 1959, Geology, mineral resources, and ground water of the Cleveland area, Tennessee: Tennessee Division of Geology Bulletin 61.

301 Theis, C.V., 1936, Ground water in south-central Tennessee: U.S. Geological Survey Water-Supply Paper 677.

302 Thomas, H.E., and Schneider, W.J., 1970, Water as an urban resource and nuisance: U.S. Geological Survey Circular 601-D.

303 Thomas, L.B., 1987, A field man's "best friend": WRD Bulletin January- June 1986.

304 Trimble, S.W., and Carey, W.P., 1984, Sediment characteristics of Tennessee streams and reservoirs: U.S. Geological Survey Open-File Report 84-749.

305 Tucci, Patrick, 1986, Ground-water flow in Melton Valley, Oak Ridge Reservation, Roane County, Tennessee--Preliminary model analysis: U.S. Geological Survey Open-File Report 85-4221.

306 Tucci, Patrick, 1986, Surface-geophysical investigations in Melton Valley, Oak Ridge Reservation, Tennessee, *in* Focus Conference of Southeastern Ground Water Issues, Tampa, Florida, 1986, Proceedings: Dublin, Ohio, National Water Well Association.

307 U.S. Geological Survey, 1949, Floods of August 1940 in the Southeastern States: U.S. Geological Survey Water-Supply Paper 1066.

308 U.S. Geological Survey, 1953, Floods of March-April 1951 in Alabama and adjacent States: U.S. Geological Survey Water-Supply Paper 1227-A.

309 U.S. Geological Survey, 1961-1964, Surface-water records of Tennessee. [published annually].

310 U.S. Geological Survey, 1964, Compilation of records of surface waters of the United States, October 1950 to September 1960, Part 3-B. Cumberland and Tennessee River Basins: U.S. Geological Survey Water-Supply Paper 1726.

311 U.S. Geological Survey, 1964, Water-quality records in Kentucky and Tennessee.

312 U.S. Geological Survey, 1964, Floods of January-February 1957 in southeastern Kentucky and adjacent areas: U.S. Geological Survey Water-Supply Paper 1652-A.

313 U.S. Geological Survey, 1965-74, Water resources data for Tennessee--Part 1, Surface-water records; Part 2, Water-quality records. [published annually].

314 U.S. Geological Survey, 1971, Surface-water supply of the United States 1961-1965, Part 3, v. 4. Ohio River Basin: U.S. Geological Survey Water-Supply Paper 1910.

315 U.S. Geological Survey, 1976, Water resources data for Tennessee--Water Year 1975: U.S. Geological Survey Water-Data Report TN-75-1. (PB-254 462/AS)

316 U.S. Geological Survey, 1977, Water resources data for Tennessee--Water Year 1976: U.S. Geological Survey Water-Data Report TN-76-1. (PB-274 620/AS)

317 U.S. Geological Survey, 1977, Hydrologic unit map of Tennessee--1974: U.S. Geological Survey.

318 U.S. Geological Survey, 1978, Water resources data for Tennessee--Water Year 1977: U.S. Geological Survey Water-Data Report TN-77-1. (PB-287 915/AS)

319 U.S. Geological Survey, 1979, Water resources data for Tennessee--Water Year 1978: U.S. Geological Survey Water-Data Report TN-78-1. (PB-80212 681/AS)

320 U.S. Geological Survey, 1981, Geological Survey Research 1980: U.S. Geological Survey Professional Paper 1175.

321 U.S. Geological Survey, 1981, Water resources data for Tennessee--Water Year 1979: U.S. Geological Survey Water-Data Report TN-79-1. (PB-81228 249)

322 U.S. Geological Survey, 1982, Geological Survey Research 1981: U.S. Geological Survey Professional Paper 1275.

323 U.S. Geological Survey, 1982, Water resources data for Tennessee--Water Year 1980: U.S. Geological Survey Water-Data Report TN-80-1.

324 U.S. Geological Survey, 1982, Water resources data for Tennessee--Water Year 1981: U.S. Geological Survey Water-Data Report TN-81-1.

325 U.S. Geological Survey, 1984, National water summary 1983--Hydrologic events and issues: U.S. Geological Survey Water-Supply Paper 2250.

326 U.S. Geological Survey, 1985, National water summary 1984--Hydrologic events, selected water-quality trends, and ground-water resources: U.S. Geological Survey Water-Supply Paper 2275.

327 Waring, G.A., 1965, Thermal springs of the United States and other countries of the world--A summary: U.S. Geological Survey Professional Paper 492.

328 Webster, D.A., 1976, A review of hydrologic and geologic conditions related to the radioactive solid-waste burial grounds at Oak Ridge National Laboratory, Tennessee: U.S. Geological Survey Open-File Report 76-727.

329 Webster, D.A., 1979, Land burial of solid radioactive waste at Oak Ridge National Laboratory, Tennessee: a case history, *in* Carter, M.W., Moghissi, A.A., and Kahn, Bernd, eds., Management of low-level radioactive waste, Symposium, Atlanta, Ga., 1977, Proceedings: New York, Pergamon Press, v. 2, p. 731-746.

330 Webster, D.A., 1981, U.S. Geological Survey study at ORNL, NLL/USGS, in Second Annual Information Meeting, National low-level waste management program, San Diego, Calif., 1981, Proceedings: U.S. Department of Energy, Oak Ridge National Laboratory, ORNL/NFW/81/08, p. 313-314.

331 Webster, D.A., 1982, Oak Ridge National Laboratory, Tennessee, *in* Schneider, Robert, Roseboom, E.H., Jr., Robertson, J.B., and Stevens, P.R., U.S. Geological Survey Research in radioactive waste disposal--Fiscal year 1979: U.S. Geological Survey Circular 847, p. 59-60.

332 Webster, D.A., 1982, Oak Ridge National Laboratory, Tennessee, *in* Schneider, Robert, and Trask, N.J., U.S. Geological Survey research in radioactive waste disposal--Fiscal year 1980: U.S. Geological Survey Open-File Report 82-509, p. 89-90.

333 Webster, D.A., 1983, Oak Ridge National Laboratory, Tennessee, *in* Schneider, Robert, and Trask, N.J., U.S. Geological Survey research in radioactive waste disposal--Fiscal year 1981: U.S. Geological Survey Water-Resources Investigations Report 83-4105, p. 99-101.

334 Webster, D.A., 1984, Oak Ridge National Laboratory, Tennessee, *in* Schneider, Robert, and Trask, N.J., U.S. Geological Survey research in radioactive waste disposal; Fiscal year 1982: U.S. Geological Survey Water-Resources Investigations Report 84-4205, p. 103-08.

335 Webster, D.A., Beatty, J.S., Benjamin, P.M., and Tranum, W.M., 1980, Water-level data for wells in Burial Ground 6 at Oak Ridge National Laboratory, Tennessee, 1975-1979: U.S. Geological Survey Open-File Report 81-57.

336 Webster, D.A., Beatty, J.S., Benjamin, P.M., and Tranum, W.M., 1981, Water-level data for wells in and near Burial Ground 4, Oak Ridge National Laboratory, Tennessee, 1975-1979: U.S. Geological Survey Open-File Report 81-339.

337 Webster, D.A., Beatty, J.S., Benjamin, P.M., and Tranum, W.M., 1981, Water-level data for wells in and near Burial Ground 3, Oak Ridge National Laboratory, Tennessee, 1975-1979: U.S. Geological Survey Open-File Report 81-489.

338 Webster, D.A., Beatty, J.S., Benjamin, P.M., and Tranum, W.M., 1982, Precipitation data for Burial Grounds 5 and 6, Oak Ridge National Laboratory, 1976-80: U.S. Geological Survey Open-File Report 82-254.

339 Webster,D.A., Beatty, J.S., Benjamin, P.M., and Tranum, W.M., 1982, Water-level data for wells in Burial Ground 5, Oak Ridge National Laboratory, Tennessee, 1975-1979: U.S. Geological Survey Open-File Report 82-372.

340 Wells, F.G., 1931, A preliminary report on the artesian water supply of Memphis, Tennessee: U.S. Geological Survey Water-Supply Paper 638-A.

341 Wells, F.G., 1933, Ground-water resources of western Tennessee, *with a discussion of* Chemical character of the water, by F.G. Wells and M.D. Foster: U.S. Geological Survey Water-Supply Paper 656.

342 Wibben, H.C., 1976, Application of the U.S. Geological Survey rainfall-runoff simulation model to improve flood-frequency estimates on small Tennessee streams: U.S. Geological Survey Water-Resources Investigations Report 76-120. (PB-266 566/AS) (NTIS)

343 Wibben, H.C., 1976, Effects of urbanization on flood characteristics in Nashville-Davidson County, Tennessee: U.S. Geological Survey Water-Resources Investigations Report 76-121. (PB-266 654/AS) (NTIS)

344 Wibben, H.C., and Boyd, E.B.Boyd, E.B., 1975, Peak stages and discharges on small streams in Tennessee, 1965-75: U.S. Geological Survey open-file report.

345 Wilson, C.W., Jr., and Parks, W.S., 1974, Mineral resources summary of the Mansfield quadrangle, Tennessee: Tennessee Division of Geology MRS 9-NE.

346 Wilson, C.W., Jr., and Parks, W.S., 1974, Mineral resources summary of the Palmer Shelter quadrangle, Tennessee: Tennessee Division of Geology MRS 10-NW.

347 Wilson, C.W., Jr., Parks, W.S., and Sykes, C.R., 1976, Mineral resources summary of the Clarksburg quadrangle, Tennessee: Tennessee Division of Geology MRS 10-SW.

348 Wilson, C.W., Jr., and Parks, W.S., 1976, Mineral resources summary of the Puryear quadrangle, Tennessee: Tennessee Division of Geology MRS 8-NE.

349 Wilson, J.M., 1965, Ground-water resources and geology of Cumberland County, Tennessee: Tennessee Division of Water Resources, Water Resources Series 6.

350 Wilson, J.M., 1967, Bibliography of ground-water investigations: Tennessee Division of Water Resources Miscellaneous Publication 4.

351 Wilson, J.M., and Criner, J.H., 1969, Geohydrology of Henry and Weakley Counties: Tennessee Division of Water Resources, Water Resources Series 7.

352 Wilson, J.M., and Johnson, A.M.F., 1970, Water use in Tennessee--Part D, Summary: Tennessee Division of Water Resources Water-Use Series 5.

353 Wilson, J.M., Mallory, M.J., and Kernodle, J.M., 1972, Summary of ground-water data in Tennessee through May 1972: Tennessee Division of Water Resources Miscellaneous Publication 9.

354 Wilson, J.M., Nichols, H.B., and Johnson, A.M.F., 1969, Water use in Tennessee--Part B, Industrial water use: Tennessee Division of Water Resources Water-Use Series 3.

355 Wood, G.H., and Johnson, A.M.F., 1965, Flow characteristics of Tennessee streams, part A, Summaries of flow duration and of low and high flows at gaging stations in Tennessee: Tennessee Division of Water Resources.

356 Woodard, T.H., and Heidel, S.G., 1964, Inventory of published and unpublished chemical analyses of surface waters in the continental United States and Puerto Rico, 1961: U.S. Geological Survey Water-Supply Paper 1786.

357 Wyrick, G.G., 1968, Ground-water resources of the Appalachian Region: U.S. Geological Survey Hydrologic Investigations Atlas HA-295.

358 Zehner, H.H., and Tucci, Patrick, 1986, Oak Ridge National Laboratory, Tennessee, *in* Dinwiddie, G.A., and Trask, N.J., U.S. Geological Survey research in radioactive waste disposal--Fiscal years 1983, 1984, and 1985: U.S. Geological Survey Water-Resources Investigations Report 87-4009.

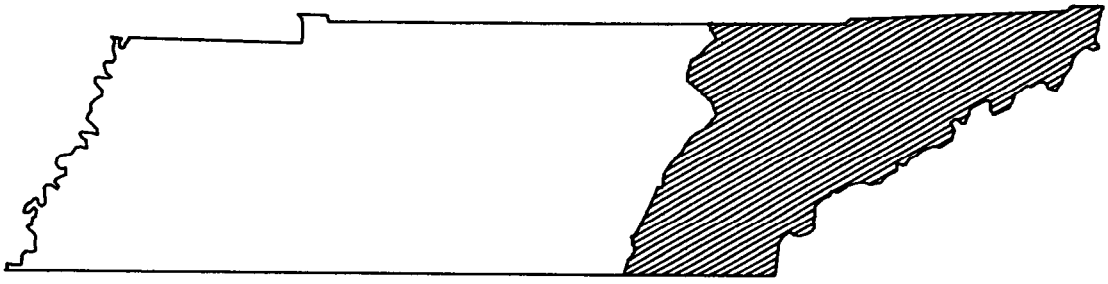
359 Zurawski, Ann, 1978, Summary appraisals of the Nation's ground-water resources--Tennessee region: U.S. Geological Survey Professional Paper 813-L.

360 Zurawski, Ann, 1979, Hydrogeology of Gatlinburg area, Tennessee: U.S. Geological Survey Open-File Report 79-1167.

361 Zurawski, Ann, and Burchett, C.R., 1980, Ground water in the carbonate rocks of the Franklin area, Tennessee: U.S. Geological Survey Water-Resources Investigations Report 80-410.

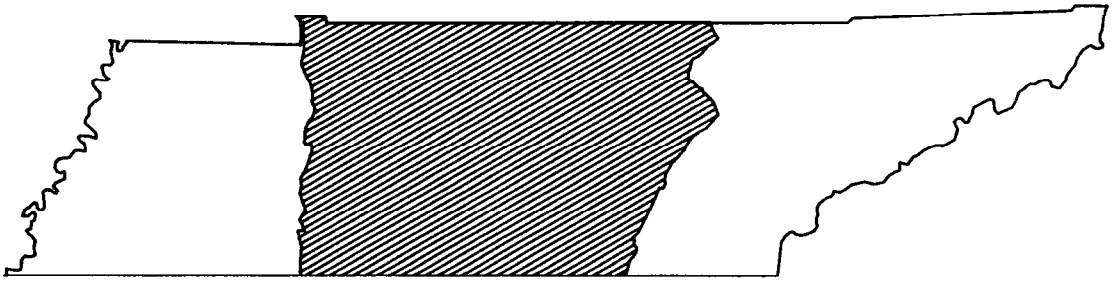
# BIBLIOGRAPHY BY SPECIFIC AREAS OF INTEREST

# BIBLIOGRAPHY BY GENERAL AREAS



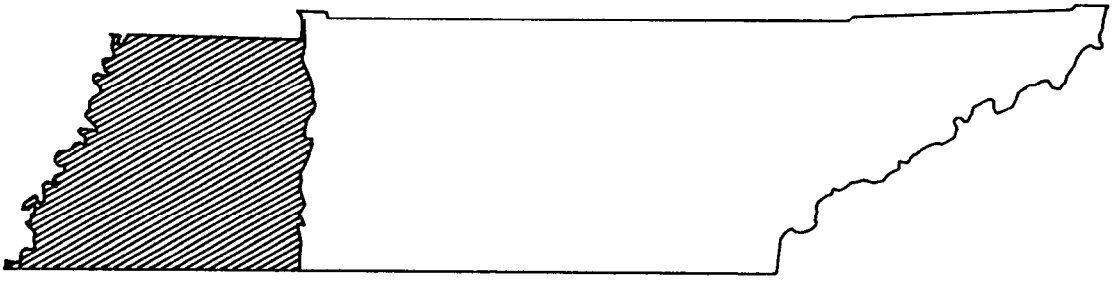
**EAST TENNESSEE**

5 11 20 21 39 52 53 54 55 56 61 64 76 77 83 84 85 86 87 98 111 113 114 118 121 123 125 130 134 139 141 152 157 158 163 164 165 166 167 168 171 187 188 196 197 232 237 238 239 240 243 244 252 253 273 294 296 297 298 299 300 305 306 312 328 329 330 331 332 333 332 334 336 337 338 339 349 357 358 360



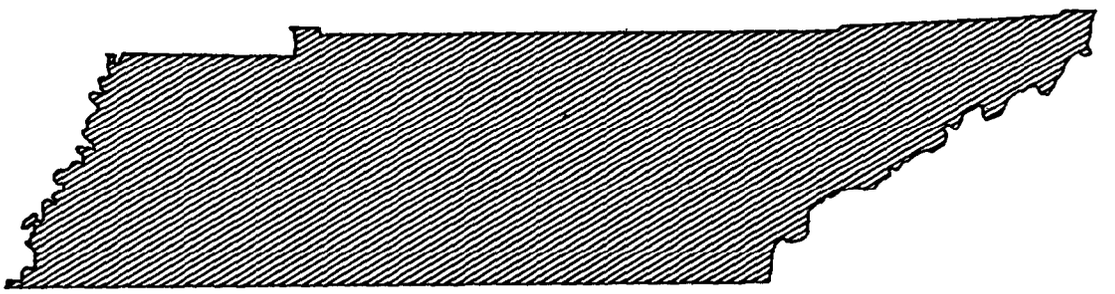
**MIDDLE TENNESSEE**

7 11 12 13 14 22 23 24 25 27 31 32 33 34 36 44 45 46 49 61 62 63 82 93 97 98 104 119 120 121 122 125 153 156 174 175 177 178 179 189 190 191 223 234 241 247 250 251 259 260 261 262 268 286 287 293 301 343 361



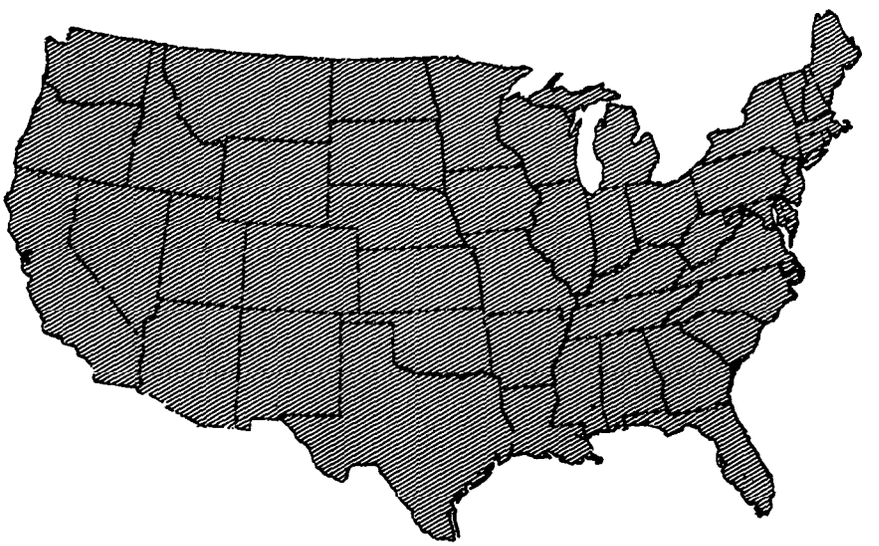
**WEST TENNESSEE**

3 4 17 18 19 26 28 29 30 31 34 35 37 38 40 58 59 60 66 67 68 69 71 72 73 99 105 106 107 109 117 124 137 138 172 173 176 180 185 192 193 194 195 198 199 200 201 202 203 204 205 206 207 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 247 255 256 257 266 267 269 270 274 275 276 277 282 284 285 288 290 292 295 340 341 345 346 347 348 351



**STATEWIDE**

1 2 6 8 9 10 15 16 42 43 47 48 57 65 70 74 78 79 80 81 90 94 95 96 102 103 109 112 115 127 131 132 135 136 144 145 146 147 148 149 150 151 155 159 161 162 170 181 182 183 184 186 245 249 263 264 265 271 289 291 304 307 308 309 310 311 313 317 318 319 342 344 350 352 253 254 255 259



**NATIONWIDE**

41 50 51 70 75 79 80 88 89 90 91 92 95 100 101 110 116 126 128 129 133 140 142 143 149 150 151 154 160 161 169 170 182 183 235 236 242 246 254 258 278 279 280 281 283 302 303 310 314 315 316 320 321 322 324 325 326 327 356 359

# PUBLICATIONS BY DISCIPLINE

**GROUND WATER**

3 4 6 7 12 13 14 16 18 19 22 23 24 25 26 27 28 30 31 32 33 34 35 36 37 38 39 40 42 44 45 46 56 65 66 67 68 69 71 73 76 77 86 90 97 98 99 105 106 107 108 114 118 120 121 124 125 133 134 135 138 139 141 145 146 147 148 152 153 157 158 160 161 165 166 167 172 173 174 175 177 178 179 181 184 189 190 191 193 194 220 223 224 225 226 228 241 242 245 255 256 257 258 259 260 261 276 277 282 283 287 288 291 292 293 294 295 297 298 299 300 301 302 305 315 316 318 319 321 323 324 326 327 328 329 330 332 332 333 334 335 336 337 338 339 340 341 349 350 351 353 357 358 360 361

**GROUND-WATER MODELING**

30 305

**EQUIPMENT**

169 303

**GEOPHYSICAL**

26 306

**SURFACE WATER**

5 8 9 10 15 29 41 44 45 47 48 49 50 51 52 53 54 55 60 61 65 70 71 73 76 80 84 85 86 96 97 98 100 101 102 103 112 114 119 120 121 125 136 141 145 146 147 148 154 155 156 157 158 159 165 179 184 186 196 197 233 239 245 246 252 262 266 271 284 285 286 290 296 302 309 310 313 314 315 316 318 319 321 323 324 325 326 355

**STREAMFLOW**

8 9 10 43 102 103 112 155 159 262 290

**FLOODS**

2 11 17 60 63 81 93 94 109 113 126 127 130 185 247 248 249 250 263 264 265 268 269 273 289 307 308 312 342 343 344

**WATER QUALITY**

3 5 20 21 37 40 41 42 52 53 54 55 56 61 65 70 76 78 79 80 84 85 87 88 90 91 92 96 97 98 104 116 121 125 135 138 140 141 145 146 147 158 172 196 197 225 226 232 238 243 244 245 251 278 291 292 294 311 313 315 316 318 319 321 323 324 326 341 356

**SEDIMENT STUDIES**

4 9 50 51 53 54 55 60 70 110 128 129 137 235 236 237 240 267 270 275 304

**WATER USE**

1 74 75 89 131 132 138 144 149 150 151 162 183 234 281 352 354

**ECOLOGY**

20 21 56 57 58 59 62 64 66 72 76 95 119 120 122 134 143 279 280

**GEOLOGY**

56 62 72 82 83 111 115 117 123 163 164 168 170 171 176 180 187 188 192 195 198 199 200 201 202 203 204 205 206

# TYPES OF PUBLICATION

**CIRCULARS**

5 41 42 67 70 71 75 80 89 91 110 139 140 142 143 149 150 151 182 183 239 242 254 277 278 279 280 281 288 302 331

**HYDROLOGIC INVESTIGATIONS ATLASES**

15 48 79 90 161 167 246 357

**MISCELLANEOUS INVESTIGATIONS MAPS**

113 114 166 230

**OPEN-FILE REPORTS** *(Numbered)*

27 30 37 38 84 85 88 93 96 103 104 118 133 156 216 218 219 225 226 243 244 245 250 256 261 263 264 270 297 304 305 328 332 335 336 337 338 339 360

**OPEN-FILE REPORTS** *(Unnumbered)*

2 3 12 13 63 66 130 159 207 211 212 215 247 248 252 257 275 291 295 344

**PROFESSIONAL PAPERS**

16 18 19 52 53 60 62 72 73 81 100 101 111 115 117 124 128 134 155 170 171 172 187 188 195 237 238 273 290 320 322 327 359

**JOURNAL AND SYMPOSIUM ARTICLES**

6 26 28 59 65 92 95 129 137 174 175 192 196 206 223 235 240 253 255 276 285 306 329 330

**WATER RESOURCES BULLETINS**

50 303

**WATER RESOURCES DATA REPORTS**

145 146 147 148 609 313 315 316 318 319 321 323 324

**HYDROLOGIC UNIT MAP**

317

**WATER-RESOURCES INVESTIGATIONS REPORTS**

1 8 9 10 11 17 20 21 22 23 24 25 31 32 33 34 35 36 39 40 46 51 58 59 86 87 94 97 98 105 106 107 108 119 121 122 123 125 141 157 158 181 185 186 197 220 224 228 260 262 265 266 267 268 269 271 292 331 334 342 343 358 361

**WATER-SUPPLY PAPERS**

4 43 47 79 99 109 112 116 126 144 152 163 154 160 165 169 173 193 236 241 158 283 284 289 299 301 307 308 310 312 314 325 326 340 341 356

**OTHER**

7 14 29 44 45 49 54 55 56 57 58 61 64 74 77 82 83 102 120 126 131 132 135 136 138 162 163 164 168 176 177 178 179 180 184 189 190 191 194 198 199 200 201 202 203 204 205 208 209 210 213 214 217 721 222 227 229 231 232 233 234 249 251 259 272 274 282 286 287 293 294 296 298 300 345 346 167 168 169 350 351 352 353 354 355

# INDEX

## H



## I



## J



## K



## L



## M

## N



## O



## P



## Q



## R



## S



## T



## U

☆U.S. GOVERNMENT PRINTING OFFICE 1988—548-200/80002

DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY
A-413 Federal Building
Nashville, Tennessee 37203

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF THE INTERIOR
INT 413