

Appendix A. List of Map References

1. Cossatot River near Vandervoort, Arkansas (Station 07340300)

a. U.S. Geological Survey topographic maps:

- Eagle Mountain, Arkansas (1:24,000), 1986, gaging station on this quadrangle
- Nichols Mountain, Arkansas (1:24,000), 1986
- Vandervoort, Arkansas (1:24,000), 1984
- De Queen, Arkansas-Oklahoma (1:100,000), 1986

b. Geologic maps:

- Erickson, G.E., Patterson, S.H., Dunn, M.L., Jr., and Harrison, D.K., 1983, Mineral resources of the Caney Creek Wilderness, Polk County, Arkansas: U.S. Geological Survey Bulletin 1551, 42 p.
- Miser, H.D., and Purdue, A.H., 1929, Geology of the De Queen and Caddo Gap quadrangles: U.S. Geological Survey Bulletin 808, 195 p., scale 1:125,000.

c. Miscellaneous maps:

- U.S. Department of Agriculture, 1984, Map of Ouachita National Forest (west half), Arkansas and Oklahoma: U.S. Department of Agriculture Forest Service, Southern Region, scale 1:126,720.
- U.S. Geological Survey, 1986, Land-use series, De Queen, Arkansas; Oklahoma: U.S. Geological Survey Open-File Report 85-0323, scale 1:100,000.

2. North Sylamore Creek near Fifty Six, Arkansas (Station 07060710)

a. U.S. Geological Survey topographic maps:

- Calico Rock, Arkansas (1:24,000), 1964
- Fifty Six, Arkansas (1:24,000), 1972, gaging station on this quadrangle
- Norfork SE, Arkansas (1:24,000), 1980
- Onia, Arkansas (1:24,000), 1980
- Bull Shoals Lake, Arkansas-Missouri (1:100,000), 1985
- Mountain View, Arkansas (1:100,000), 1983

b. Geologic maps:

- McFarland, J.D., Bush, W.V., Wise, O.A., and Holbrook, Drew, 1979, A guidebook to the Ordovician-Mississippian rocks of north-central Arkansas: Arkansas Geological Commission Report GB-79-1, 25 p.

c. Soil surveys:

- U.S. Department of Agriculture, 1983, Soils survey of Baxter and Marion Counties, Arkansas: U.S. Department of Agriculture Soil Conservation Service, 136 p.
- Ward, L.B., 1983, Soil survey of Stone County, Arkansas: U.S. Department of Agriculture Soil Conservation Service, 152 p

d. Miscellaneous maps:

- Imes, J.L., and Emmett, L.F., 1994, Geohydrology of the Ozark Plateaus aquifer system in parts of Missouri, Arkansas, Oklahoma, and Kansas: U.S. Geological Survey Professional Paper 1414-D, 127 p.
- U.S. Department of Agriculture, 1986, Map of Ozark National Forest, Sylamore Ranger District, Arkansas: U.S. Department of Agriculture Forest Service, Southern Region, scale 1:126,720.
- U.S. Geological Survey, 1987, Land use and land cover and associated maps for Mountain View, Arkansas: U.S. Geological Survey Open-File Report 87-311, scale 1:100,000.

3. South Hogan Creek near Dillsboro, Indiana (Station 03276700)

a. U.S. Geological Survey topographic maps:

- Dillsboro, Indiana (1:24,000), 1980, gaging station on this quadrangle
- Milan, Indiana (1:24,000), 1980
- Pierceville, Indiana (1:24,000), 1980
- Greensburg, Indiana (1:100,000), 1986

b. Geologic maps:

- Gray, H.H., Forsyth, J.L., Schneider, A.F., and Gooding, A.M., 1972, Regional geologic map no. 7, Cincinnati sheet, part B: Bloomington, Indiana Geological Survey, 1 sheet, scale 1:250,000.

c. Soil surveys:

- McWilliams, K.M., 1985, Soil survey of Ripley County and part of Jennings County, Indiana: U.S. Department of Agriculture Soil Conservation Service, 125 p.
- Nickell, A.K., 1981, Soil survey of Dearborn and Ohio Counties, Indiana: U.S. Department of Agriculture Soil Conservation Service.

d. Miscellaneous maps:

- U.S. Department of Agriculture, 1986, Important farmland, Ripley County, Indiana: U.S. Department of Agriculture Soil Conservation Service, scale 1:50,000.

4. Elk Creek near Decatur City, Iowa (Station 06897950)

a. U.S. Geological Survey topographic maps:

- Ellston, Iowa (1:24,000), 1981
- Grand River, Iowa (1:24,000), 1981
- Kellerton, Iowa (1:24,000), 1981
- Lamoni North, Iowa (1:24,000), 1981, gaging station on this quadrangle
- Leon, Iowa-Missouri (1:100,000), 1981
- Mount Ayr, Iowa-Missouri (1:100,000), 1985

b. Geologic maps:

- Arey, M.F., 1920, Geology of Ringgold County: Iowa Geological Survey Report, v. 27, p. 33–64, scale 1:125,000.
- Bain, H.F., 1898, Geology of Decatur County: Iowa Geological Survey Report, v. 8, p. 255–314, scale 1:125,000.
- Cagle, J.W., 1975, Bedrock topography of south-central Iowa: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-763, scale 1:250,000.
- Hansen, R.E., 1992, Bedrock topography of southwest Iowa: U.S. Geological Survey Miscellaneous Investigations Series I-2230, scale 1:250,000.
- Hershey, H.G., 1969, Geologic map of Iowa: Iowa Geological Survey, scale 1:500,000.

c. Soil surveys:

- Boeckman, L.E., 1992, Soil survey of Ringgold County, Iowa: U.S. Department of Agriculture Soil Conservation Service, 230 p.
- DeWitt, T.A., 1990, Soil survey of Decatur County, Iowa: U.S. Department of Agriculture Soil Conservation Service, 224 p.

d. Miscellaneous maps:

- Cagle, J.W, and Heinitz, A.J., 1978, Water resources of south-central Iowa: Iowa Geological Survey Water Atlas 5, 97 p.
- Cagle, J.W., and Steinhilber, W.L., 1967, Availability of ground water in Decatur County, Iowa: Iowa Geological Survey Water Atlas 2, 28 p.

5. Big Creek at Pollock, Louisiana (Station 07373000)

a. U.S. Geological Survey topographic maps:

- Dry Prong, Louisiana (1:24,000), 1985
- Pollock, Louisiana (1:24,000), 1985, gaging station on this quadrangle
- Williana, Louisiana (1:24,000), 1985
- Winnfield, Louisiana (1:100,000), 1986

b. Geologic maps:

- Fisk, H.N., 1938, Geology of Grant and La Salle Parishes: Louisiana Geological Survey Bulletin 10, scale 1:62,500.

c. Soil surveys:

- Kilpatrick, W.W., Henry, C.H., Jr., Ragus, J., Ardoin, A., Mason, P., and Williams, E., 1986, Soil survey of Grant Parish, Louisiana: U.S. Department of Agriculture Soil Conservation Service, 141 p.

d. Miscellaneous maps:

- U.S. Department of Agriculture, 1983, Map of Kisatchie National Forest, Catahoula and Winn Ranger Districts, Louisiana: U.S. Department of Agriculture Forest Service, Southern Region, scale 1:126,720.

6. Washington Creek at Windigo, Michigan (Station 04001000)

a. U.S. Geological Survey topographic maps:

- Sugar Mountain, Michigan (1:24,000), 1985
- Windigo, Michigan (1:24,000), 1985, gaging station on this quadrangle
- Isle Royale National Park, Michigan (1:62,500), 1987
- Grand Portage, Minnesota-Michigan (1:100,000), 1985

b. Geologic maps:

- Huber, N.K., 1973, Geologic map of Isle Royale National Park, Michigan: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-796, scale 1:62,500.

c. Soil surveys:

- U.S. Department of Agriculture, 1990, General soil map, Isle Royale National Park, Michigan: U.S. Department of Agriculture Natural Resources Conservation Service [formerly Soil Conservation Series], scale 1:190,080.

d. Miscellaneous maps:

- DuFresne, Jim, 1984, Isle Royale National Park—Foot trails and water routes: Seattle, Washington, Mountaineers, 136 p.
- National Park Service, 1979, Map of Isle Royale National Park, Michigan: Washington, D.C., U.S. Department of the Interior National Park Service, scale 1:176,000.

7. Kawishiwi River near Ely, Minnesota (Station 05124480)

a. U.S. Geological Survey topographic maps:

- Alice Lake, Minnesota (1:24,000), 1986
- Beth Lake, Minnesota (1:24,000), 1986
- Gabbro Lake, Minnesota (1:24,000), 1986
- Kawishiwi Lake, Minnesota (1:24,000), 1986
- Isabella Lake, Minnesota (1:24,000), 1986
- Kekekabic Lake, Minnesota (1:24,000), 1986
- Kelso Mountain, Minnesota (1:24,000), 1986
- Lake Insula, Minnesota (1:24,000), 1986
- Lake Polly, Minnesota (1:24,000), 1986
- Ogishkemuncie Lake, Minnesota (1:24,000), 1986
- Ojibway Lake, Minnesota (1:24,000), 1986, gaging station on this quadrangle
- Perent Lake, Minnesota (1:24,000), 1986
- Quadga Lake, Minnesota (1:24000), 1986
- Snowbank Lake, Minnesota (1:24,000), 1986
- Basswood Lake, Minnesota (1:100,000), 1978
- Ely, Minnesota (1:100,000), 1978

b. Geologic maps:

- Davidson, D.M., Jr., 1969, Geologic map of Kawishiwi Lake quadrangle, Lake and Cook Counties, Minnesota: Minnesota Geological Survey Miscellaneous Map M-7, scale 1:24,000.
- ————1969, Geologic map of Perent Lake quadrangle, Lake County, Minnesota: Minnesota Geological Survey Miscellaneous Map M-8, scale 1:24,000.
- ————1977, Reconnaissance geologic map of Alice Lake quadrangle, Cook County, Minnesota: Minnesota Geological Survey Miscellaneous Map M-33, scale 1:24,000.
- ————1977, Reconnaissance geologic map of Beth Lake quadrangle, Cook County, Minnesota: Minnesota Geological Survey Miscellaneous Map M-26, scale 1:24,000.
- ————1977, Reconnaissance geologic map of Kelso Mountain quadrangle, Cook County, Minnesota: Minnesota Geological Survey Miscellaneous Map M-27, scale 1:24,000.
- ————1977, Reconnaissance geologic map of Lake Polly quadrangle, Cook County, Minnesota: Minnesota Geological Survey Miscellaneous Map M-34, scale 1:24,000.
- Green, J.C., 1982, Bedrock geology, Two Harbors sheet, Minnesota: Minnesota Geological Survey, scale 1:250,000.

c. Soil surveys:

- Pettyman, D.H., 1978, Soil survey of Kawishiwi area, Minnesota—Parts of Lake and Cook Counties in Superior National Forest: U.S. Department of Agriculture Soil Conservation Service, 35 p.

d. Miscellaneous maps:

- U.S. Department of Agriculture, 1987, Map of BWCA wilderness entry points: Washington, D.C., U.S. Department of Agriculture Forest Service, 22 × 35 cm.
 - ————1976, Map of the boundary waters canoe area—Superior National Forest, Minnesota: Washington, D.C., U.S. Department of Agriculture Forest Service, 28 × 39 cm.
- ————1994, Superior National Forest, Minnesota: Milwaukee, Wisconsin, U.S. Department of Agriculture Forest Service, Eastern Region, scale 1:253,000.

8. North Fork Whitewater River near Minnesota (Station 05376000)

a. U.S. Geological Survey topographic maps:

- Beaver, Minnesota (1:24,000), 1977
- Chester, Minnesota (1:24,000), 1972
- Elba, Minnesota (1:24,000), 1977, gaging station on this quadrangle
- Millville, Minnesota (1:24,000), 1972
- Plainview, Minnesota (1:24,000), 1972
- Plainview SW, Minnesota (1:24,000), 1972
- Rochester, Minnesota (1:100,000), 1989

b. Geologic maps:

- Balaban, N.H., ed., 1988, Geologic atlas of Olmstead County, Minnesota: St. Paul, Minnesota Geological Survey, 9 plates containing 1. base map, 2. bedrock geology, 3. surficial geology, 4. depth to bedrock and bedrock topography, 5. sensitivity of the ground-water system to pollution, 6. sinkholes and sinkhole probability, 7. geology and well construction, 8. geology and well construction, and 9. geologic resources, scale 1:100,000.

c. Soil surveys:

- Lueth, R.A., 1994, Soil survey of Winona County, Minnesota: U.S. Department of Agriculture Soil Conservation Service, 278 p.

9. Upper Twin Creek at McGaw, Ohio (Station 03237280)

a. U.S. Geological Survey topographic maps:

- Buena Vista, Ohio-Kentucky (1:24,000), 1967
- Pond Run, Ohio-Kentucky (1:24,000), 1967, gaging station on this quadrangle

b. Geologic maps:

- Sheppard, R.A., 1964, Geology of the Portsmouth quadrangle, Kentucky-Ohio and parts of the Wheelersburg and New Boston quadrangles: U.S. Geological Survey Geologic Quadrangle Map GQ-312, scale 1:24,000.

c. Soil surveys:

- McCleary, F.E., Feusner, M.M., and Hamilton, S.J., 1989, Soil survey of Scioto County, Ohio: U.S. Department of Agriculture Soil Conservation Service, 207 p.

d. Miscellaneous maps:

- Ohio Department of Natural Resources, 1995, Map of Shawnee State Forest and Backpack Trail: Columbus, Ohio, Department of Natural Resources Division of Forestry, scale 1.5 inches = 2 miles.

10. Blue Beaver Creek near Cache, Oklahoma (Station 07311200)

a. U.S. Geological Survey topographic maps:

- Meers, Oklahoma (1:24,000), 1975
- Mount Scott, Oklahoma (1:24,000), 1975
- Quanah, Oklahoma (1:24,000), 1975
- Saddle Mountain, Oklahoma (1:24,000), 1956
- Taupa, Oklahoma (1:24,000), 1970, gaging station on this quadrangle
- Lawton, Oklahoma (1:100,000), 1981

b. Geologic maps:

- Hoffman, M.G., 1930, Geology and petrology of the Wichita Mountains: Oklahoma Geological Survey Bulletin 52, 83 p., scale 1:63,360.

c. Soil surveys:

- Mobley, H.L., 1967, Soil survey, Comanche County, Oklahoma: U.S. Department of Agriculture Soil Conservation Service, 58 p.

d. Miscellaneous maps:

- Havens, J.S., 1977, Reconnaissance of the water resources of the Lawton quadrangle, southwestern Oklahoma: Oklahoma Geological Survey Hydrologic Atlas HA-6, 4 sheets, scale 1:250,000.
- Havens, J.S., 1983, Reconnaissance of groundwater in vicinity of Wichita Mountains, southwestern Oklahoma: Oklahoma Geological Survey Circular 85, 13 p., sheet 1 of 2, geologic map, scale 1:250,000.

11. Kiamichi River near Big Cedar, Oklahoma (Station 07335700)

a. U.S. Geological Survey topographic maps:

- Lynn Mountain, Oklahoma (1:24,000), 1981
- Mountain Fork, Arkansas-Oklahoma (1:24,000), 1979
- Page, Oklahoma (1:24,000), 1981, gaging station on this quadrangle,
- Zafra, Oklahoma-Arkansas (1:24,000), 1979
- Mena, Oklahoma (1:100,000), 1975

b. Geologic maps:

- Briggs, Garrett, 1973, Geology of the eastern part of the Lynn Mountain Syncline, Le Flore County, Oklahoma: Oklahoma Geological Survey Circular 75, scale 1:42,240.
- Seely, D.R., 1963, Structure and stratigraphy Rich Mountain area: Oklahoma Geological Survey Bulletin 101, scale 1:50,000.

c. Soil surveys:

- Abernathy, E.J., and Olszewski, K.M., 1983, Soil survey of Le Flore County, Oklahoma: U.S. Department of Agriculture Soil Conservation Service, 211 p.

d. Miscellaneous maps:

- U.S. Department of Agriculture, 1978, Ouachita National Forest, Kiamichi Division, Oklahoma: Atlanta, Georgia, U.S. Department of Agriculture Forest Service, Southern Region, scale 1:126,720.
- ————1994, Map of Ouachita National Forest, Arkansas- Oklahoma: Atlanta, Georgia, U.S. Department of Agriculture Forest Service, Southern Region, scale 1:500,000.

12. Devils River at Pafford Crossing near Comstock, Texas (Station 08449400)

a. U.S. Geological Survey topographic maps:

- Big Lake, Texas (1:100,000), 1985
- Camp Wood, Texas (1:100,000), 1985
- Comstock, Texas (1:100,000), 1985, gaging station on this quadrangle
- Devils Draw, Texas (1:100,000), 1985
- Ozona, Texas (1:100,000), 1985
- Rocksprings, Texas (1:100,000), 1985
- San Angelo, Texas (1:100,000), 1985

- Sonora, Texas (1:100,000), 1985
- Del Rio, Texas (1:250,000), 1969
- Sonora, Texas (1:250,000), 1978

b. Geologic maps:

- Barnes, V.E., 1977, Geologic atlas of Texas, Del Rio sheet: The University of Texas at Austin, Bureau of Economic Geology, scale 1:250,000.
- ————1981, Geologic atlas of Texas, Sonora sheet: The University of Texas at Austin, Bureau of Economic Geology, scale 1:250,000.
- Freeman, V.L., 1965, Geologic map of the Barkers Crossing quadrangle, Val Verde County, Texas: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-440, scale 1:62,500.
- Sharps, J.A., and Freeman, V.L., 1965, Geologic map of the Mouth of Pecos and Feely quadrangles, Val Verde County, Texas: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-434, scale 1:62,500.

c. Soil surveys:

- Golden, M.L., Gabriel, W.J., and Stevens, J.W., 1982, Soil survey of Val Verde County, Texas: U.S. Department of Agriculture Soil Conservation Service, 138 p.
- Wiedenfeld, C.C., and McAndrew, J.D., 1968, Soil survey of Sutton County, Texas: U.S. Department of Agriculture Soil Conservation Service, 33 p.

d. Miscellaneous maps:

- U.S. Geological Survey, 1985, Land-use series, Sonora, Texas: U.S. Geological Survey Open-File Report 85- 65, scale 1:250,000.

13. South Fork Rocky Creek near Briggs, Texas (Station 08103900)

a. U.S. Geological Survey topographic maps:

- Bachelor Peak, Texas (1:24,000), 1967, gaging station on this quadrangle
- Joppa, Texas (1:24,000), 1967
- Lake Victor, Texas (1:24,000), 1967
- Llano, Texas (1:100,000), 1985

b. Geologic maps:

- Texas Geological Survey, 1981, Geologic atlas of Texas, Llano sheet: The University of Texas at Austin, Bureau of Economic Geology, scale 1:250,000.

c. Soil surveys:

- Dittmore, W.H., Jr., and Allison, J.E., 1979, Soil survey of Blanco and Burnet Counties, Texas: U.S. Department of Agriculture Soil Conservation Service, 116 p.

14. Popple River near Fence, Wisconsin (Station 04063700)

a. U.S. Geological Survey topographic maps:

- Alvin SE, Wisconsin (1:24,000), 1970
- Armstrong Creek, Wisconsin (1:24,000), 1980
- Crandon NE, Wisconsin (1:24,000), 1965
- Florence SW, Wisconsin (1:24,000), 1962, gaging station on this quadrangle
- Lake Gordon, Wisconsin (1:24,000), 1980
- Long Lake, Wisconsin (1:24,000), 1970
- Long Lake SE, Wisconsin (1:24,000), 1970
- Newald, Wisconsin (1:24,000), 1981
- Iron Mountain, Michigan-Wisconsin (1:100,000), 1991

b. Geologic maps:

- Clayton, Lee, 1986, Pleistocene geology of Florence County, Wisconsin: Wisconsin Geological and Natural History Survey, Information Circular 51, scale 1:200,000.
- Simpkins, W.W., McCartney, M.C., and Mickelson, D.M., 1987, Pleistocene geology of Forest County, Wisconsin: Wisconsin Geological and Natural History Survey, Information Circular 61, scale 1:100,000.
- Sims, P.K., 1990, Geologic map of Precambrian rocks of Iron Mountain and Escanaba 1° ¥ 2° quadrangles, northeastern Wisconsin and northwestern Michigan: U.S. Geological Survey Miscellaneous Investigations Series Map I-2056, scale 1:250,000.

c. Soil surveys:

- Hole, F.D., Olson, G.W., Schmude, K.O., and Milfred, C.J., 1962, Soil survey of Florence County, Wisconsin: Wisconsin Geological and Natural History Survey, Bulletin 4, Soil Series 59, scale 1:63,360.

d. Miscellaneous maps:

- U.S. Department of Agriculture, 1995, The Nicolet National Forest: Rhinelander, Wisconsin, U.S. Department of Agriculture Forest Service, Eastern Region, scale 1:126,720.
- Oakes, Edward, Field, S.J., and Seeger, L.P., 1973, The Pine-Popple River Basin—Hydrology of a wild river area, northeastern Wisconsin: U.S. Geological Survey Water-Supply Paper 2006, scale 1:250,000, 8 maps including bedrock geology, surficial deposits, soils, hydrogeochemistry, and forest cover.