

**Assessment of Ecoregional Dissolved Oxygen Regimes  
Data Report for 2007 Study Season**

**SECTION 8  
REFERENCES**

THIS PAGE INTENTIONALLY LEFT BLANK

## **SECTION 8**

### **REFERENCES**

- Arnwine, D.H. and G.M. Denton. 2003. Evaluation of Regional Dissolved Oxygen Patterns of Wadeable Streams in Tennessee Based on Diurnal and Daylight Monitoring. Tennessee Department of Environment and Conservation. Nashville, TN.
- Arnwine, D.H., James, R.R., and K.J. Sparks. 2005. Regional Characterization of Streams in Tennessee with Emphasis on Diurnal Dissolved Oxygen, Nutrients, Habitat, Geomorphology, and Macroinvertebrates. Tennessee Department of Environment and Conservation. Nashville, TN.
- Bayer, C.W., J.R. Davis, S.R. Twidwell, R. Kleinsasser, G. Linam, K. Mayes and E. Hornig. 1992. Texas Aquatic Ecoregion Project: An Assessment of Least Disturbed Reference Streams. Draft Report. Texas Natural Resources Conservation Commission, Austin, Texas.
- Bennett, C., Giese, J., Keith, B., Maner, M., McDaniel, R., O'Shaughnessy, N., and B. Singleton. 1987. Physical, Chemical, and Biological Characteristics of Least-Disturbed Reference Streams in Arkansas' Ecoregions – Volume I Data Compilation. Arkansas Department of Pollution Control and Ecology.
- Brown, D., W. Turner, T. Priesendorf, and R. Dent. 2007. Lamine River Watershed Inventory and Assessment. Missouri Department of Conservation, West Central Regional Office, Sedalia, Missouri. Actual publication date not listed. Downloaded current document version March 2007.
- Carnahan, R. 2006. Code of State Regulations; Missouri Water Quality Standards, Title 10, Division 20, Chapter 7-Table A. Office of the Secretary of State.
- Caruso, B.S. 2002. Temporal and spatial patterns of extreme low flows and effects on stream ecosystems in Otago, New Zealand. *Journal of Hydrology*. 257. 115- 133.
- Chapman, G. 1986. Ambient Water Quality Criteria for Dissolved Oxygen. EPA440/5/-86-003. Office of Water, Criteria and Standards Division. Washington, D.C.
- Chapra, S.C., Pelletier, G.J. and Tao, H. 2005. QUAL2K: A Modeling Framework for Simulating River and Stream Water Quality, Version 2.04: Documentation and Users Manual. Civil and Environmental Engineering Dept., Tufts University, Medford, MA.
- Chapra, S.C. 1997. Surface Water Quality Modeling. Edited by B. Clark, D. Damstra, and J. Bradley. McGraw-Hill. Boston, MA.
- Colangelo, David, J. 2007. Response of river metabolism to restoration of flow in the Kissimmee River, Florida, USA. *Freshwater Biology*. 52. 459-470.
- Davie, S., J. Greenfield, and M. Lahlou. 2001. Dissolved Oxygen TMDL Developments in Southern Georgia. Proceedings of the 2001 Georgia Water Resources Conference. 557-560.
- Fantz, D., W. Heatherly, P. Yasger, and R. Dent. 2007. West Osage River Watershed Inventory and Assessment. Missouri Department of Conservation, Kansas City Regional Office, Blue Springs, Missouri. Actual publication date not listed. Downloaded current document version March 2007.

- Federal Water Pollution Control Administration. 1968. Report of the National Technical Advisory Committee on Water Quality Criteria. U.S Department of the Interior.
- Garvey, J.E., M.R. Whiles, and D. Streicher. 2007. A hierarchical model for oxygen dynamics in streams. *Can. J. Fish. Aquat. Sci.* 64. 1816-1827.
- Giese, J., Keith, B., Maner, M., McDaniel, R., and B. Singleton. 1987. Physical, Chemical, and Biological Characteristics of Least-Disturbed Reference Streams in Arkansas' Ecoregions – Volume II Data Analysis. Arkansas Department of Pollution Control and Ecology.
- Herreid CF II. 1980. Hypoxia in invertebrates. *Comp. Biochem. Physiol.* 67(A). 311-320.
- Hill, W. 1996. Effects of light. In *Algal Ecology Freshwater Benthic Ecosystems*, Stevenson, R., Bothwell, M., and Lowe, R. (eds). pp. 121-144. Academic Press.
- Hornig, C.E., Bayer, C.W., Twidwell, S.R., Davis, J.R., Kleinsasser, R.J., Linam, G.W., and K.B. Mayes. 2000. Development of regionally based biological criteria in Texas. In *Biological Assessment and Criteria: Tools for Water Resource Planning and Decision Making*, Davis, W.S. and Simon, T.P. (eds.), pp. 145-152. Lewis Publishers, Boca Raton, FL.
- Horton, R. and H. Kearns 2007. Crooked River Watershed Inventory and Assessment. Missouri Department of Conservation, Kansas City Regional Office, Blue Springs, Missouri. Actual publication date not listed. Downloaded current document version May 2008.
- Hughes GM. 1981. Effects of low oxygen and pollution on the respiratory systems of fish. In *Stress and Fish*, Pickering AD (ed). New York: Academic Press. pp. 121-146.
- Ice, G. 2003. Summer dissolved oxygen concentrations in forested streams of northern Louisiana. *Southern Journal of Applied Forestry.* 27(2). Pp. 92-99.
- Karr, J.R., K.D. Fausch, P.L. Angermeier, P.R. Yant, I.J. Schlosser. 1986. Assessing biological integrity in running waters: a method and its rationale. Illinois Natural History Survey, Special Publication 5.
- Kramer DL. 1987. Dissolved oxygen and fish behavior. *Environ. Biol. Fishes* 18. 81-92.
- Lohman, K., J. Jones, and B. Perkins. 1992. Effects of nutrient enrichment and flood frequency on periphyton biomass in northern Ozark streams. *Can. J. Fish. Aquat. Sci.* 49. 1198-1205.
- MEC Water Resources, Inc. (2007). Assessment of Ecoregional Dissolved Oxygen Regimes Data Report for 2006 Study Season. April 2008. 122 pp.
- Missouri Department of Natural Resources (MDNR) 2006. Missouri's Proposed 2004/2006 303(d) List. Public Notice Period 11 October 2006 to 17 January 2007. Water Protection Program, Jefferson City, Missouri.
- Midwestern Regional Climate Center. 2008a. Daily precipitation data from 01/01/1895 to 12/31/2007 at the Nevada, Missouri Water Plant (Station #235987).

- Midwestern Regional Climate Center. 2008b. Daily precipitation data from 01/01/1895 to 12/31/2007 near Lexington, Missouri (Station #234904).
- Midwestern Regional Climate Center. 2008c. Daily precipitation data from 01/01/1898 to 12/31/2007 near Sedalia, Missouri (Station #237632).
- Mullholand, P.J., G.R. Best, C.C. Coutant, G.M. Hornberger, J.L. Meyer, P.J. Robinson, J.R. Stenberg, R. E. Turner, F. Vera-Herrera, and R.G. Wetzel. 1997. Effects of climate change on freshwater ecosystems of the southeastern United States and the Gulf Coast of Mexico. *Hydrological Processes*. 11. 949-970.
- Murdoch, P.S., J.S. Baron, and T.L. Miller. 2000. Potential effects of climate change on surface-water quality in North America. *Journal of the American Water Resources Association*. 36(2). 347-366.
- Pflieger, W. L. 1971. A Distributional Study of Missouri Fishes. University of Kansas Publications, Museum of Natural History Volume 20: 225-570. Lawrence, Kansas
- Smale, M. A. and C. F. Rabeni. 1995a. Hypoxia and hypothermia tolerances of headwater stream fishes. *Transactions of the American Fisheries Society*. 124. 698-710.
- Smale, M.A., and C.F. Rabeni. 1995b. Influences of hypoxia and hyperthermia on fish species composition in headwater streams. *Transactions of the American Fisheries Society*. 124. 711-720.
- Smale, M.A., and C.F. Rabeni. 1991. The Effects of Special Area Land Treatment (SALT) Agricultural Management Practices on the Biological Health of Headwater Streams. A Final Report Submitted to the Missouri Department of Natural Resources Water Quality Division. Missouri Cooperative Fish and Wildlife Research Unit. University of Missouri-Columbia. Columbia, Missouri.
- Sowa, S., D. Diamond, R. Abbitt, G. Annis, T. Gordon, M. Morey, G. Sorensen, D. True 2004. The Aquatic Component of Gap Analysis: A Missouri Prototype. Project Final Report. Missouri Resource Assessment Partnership (MORAP), University of Missouri-Columbia. Columbia, Missouri.
- Twidwell, S. and J.R. Davis. 1989. An Assessment of Six Least Disturbed Unclassified Texas Streams. Report Number LP 89-04. Texas Natural Resources Conservation Commission, Austin, Texas.
- U.S. Environmental Protection Agency (EPA). 2000a. Ambient Water Quality Criteria Recommendations for Rivers and Streams in Nutrient Ecoregion IX. EPA 822-B-00-019. Office of Water. Washington, DC. (Heaths Creek in Subregion 72, Little Drywood Creek and East Fork Crooked River in Subregion 40)
- U.S. Environmental Protection Agency (EPA). 2000b. Nutrient Criteria Technical Guidance Manual: *Rivers and Streams*. EPA-822-B-00-002. Office of Water. Washington, DC.
- Van Vliet, M.T.H. and J.J.G. Zwolsman. 2008. Impact of summer droughts on the water quality of the Meuse River. *Journal of Hydrology*. 353. 1-17.

- Wallace, J.B. and N.H. Anderson. 1996. Habitat, life history, and behavioral adaptations of aquatic insects. In *An Introduction to the Aquatic Insects of North America*, Merritt, R.W. and Cummins, K.W. (eds.), pp. 41-73. Kendall/Hunt Publishing Company. Dubuque, IA.
- Wahl, K. L., and Wahl, T. L., 1995, Determining the flow of Comal Springs at New Braunfels, Texas. American Society of Civil Engineers, August 16-17, 1995, San Antonio, Texas, pp. 77-86.
- Weaver, K. 2004. "Everglades Marsh Dissolved Oxygen Site Specific Alternative Criterion Support Document." Florida Department of Environmental Protection. Tallahassee, FL.