

PUBLICATIONS DEALING WITH RESPONSES TO POLLUTANTS

Ferrington, L. C., Jr. and N. H. Crisp. 1989. Water Chemistry Characteristics of Receiving Streams and the Occurrence of *Chironomus riparius* and Other Chironomidae in Kansas. *Acta Biologica Debrecina, Oecologica Hungarica* 3:115-126.

Ferrington, L.C., Jr. M. A. Blackwood, C.A. Wright, N. H. Crisp, J. L. Kavanaugh and F. J. Schmidt. 1991. A Protocol for Using Surface-Floating Pupal Exuviae of Chironomidae for Rapid Bioassessment of Changing Water Quality. pp.181-190. In: *Sediment and Stream Water Quality in a Changing Environment: Trends and Explanations*. IAHS Publication Number 203. 374 pp.

Howick, G. L., J. M. Giddings, F. deNoyelles, L. C. Ferrington, Jr., W. D. Kettle and D. Baker. 1992. Rapid Establishment of Test Conditions and Tropic Level Interactions in 0.04 ha. Earthen Pond Mesocosms. *Environmental Toxicology and Chemistry*. 11(1): 107-114.

Ferrington, L. C., Jr. 1993. Endangered rivers: A case history of the Arkansas River in the Central Plains. *Aquatic Conservation: Marine & Freshwater Ecosystems*. 3: 305-316.

Ferrington, L.C., Jr., M. A. Blackwood, C.A. Wright, T. M. Anderson and D.S. Goldhammer. 1994. Sediment Transfers and Representativeness of Mesocosm Benthic Test Faunas. Chapter 14, pp. 179-200. In: *Aquatic Mesocosm Studies in Ecological Risk Assessment*. R. L. Graney, J. H. Kennedy & J. H. Rogers, Jr. (Eds.). Environmental Toxicology and Chemistry Publication Series. Lewis Publishers, Boca Raton, FL. 723 pp.

Wright, C. A. and L. C. Ferrington, Jr. 1996. Analysis of Chlordane-impacted Streams Using Chironomid Pupal Exuviae (Diptera: Chironomidae). *Hydrobiologia* 318: 69-77.

Berg, M. B., L. C. Ferrington Jr., and B. L. Hayford, (eds.). 1998. *A Festschrift Honoring Mary and Jim Sublette, Part 2: Biology, Ecology and Natural History of Chironomidae*. Special Publication Number 3, *Journal of the Kansas Entomological Society* 71:383-504.

Pitt, J. L., R. Y. Surampalli, N. H. Crisp and L. C. Ferrington, Jr. 1998. Predicting Aqueous Metal Species in a Stream Impacted by Mining Activity. *Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management* 2(4): 166-171.

Pinkney, A. E., P. C. McGowan, D. R. Murphy, T. P. Lowe, D. W. Sparling and L. C. Ferrington Jr. 2000. Effects of the mosquito larvicides temephos and methoprene on insect populations in experimental ponds. *Environmental Toxicology and Chemistry* 19: 678-684.

Reynolds, S. K. and L. C. Ferrington Jr. 2001. Temporal and taxonomic patterns of mouthpart deformities in larval midges (Diptera: Chironomidae) in relation to sediment chemistry. *Journal of Freshwater Ecology* 16(1):15-27.

Reynolds, S. K. and L. C. Ferrington Jr. 2002. Differential morphological responses of Chironomid larvae to severe heavy metal exposure (Diptera: Chironomidae). *Journal of the Kansas Entomological Society* 75(3): 172-184.

TECHNICAL PUBLICATIONS AND OTHER SCHOLARLY WRITINGS RELATED TO RESPONSES TO POLLUTANTS

Ferrington, L. C., Jr. 1981. Detection and Documentation of Impacts. Chapter 24, pp. 202-213. In *Guide to the Freshwater Invertebrates of the Midwest*. Huggins, D. G., Liechti, P. M., and Ferrington, L. C. (eds.). Biological Survey of Kansas, Technical Publication Number 11. 221 pp.

Ferrington, L. C., Jr. 1987. Collection and Identification of Floating Pupal Exuviae of Chironomidae for Use in Studies of Surface Water Quality. Standard Operating Procedure prepared for U. S. EPA, Region VII, Kansas City, KS and published as SOP No. FW130A. 39 pp. + appendix.

Ferrington, L. C. Jr., O. K. Galle, M. A. Blackwood, C. A. Wright, W. A. Bird, J. M. Jobe, and P. B. Grant. 1988. *Preliminary Assessment of the Occurrence and Biological Effects of Cadmium, Lead, Manganese and Zinc in the Short Creek/ Empire Lake Aquatic System, Cherokee County, Kansas, Phase I*. Published by KWRRI as contribution # 271, USGS G1423-06. 81 pp. + appendix.

Ferrington, L. C., Jr. 1989. Assessment of the Effects of B.t.i. Applications for the Control of Midgefly Larvae, *Chironomus riparius*, in Little Mill Creek, Johnson Co., Ks. Kansas Biological Survey Report # 41. 16 pp. + appendix.

Ferrington, L. C., Jr., O. K. Galle, M. A. Blackwood, C. A. Wright, F. J. Schmidt and J. M. Jobe. 1989. *Occurrence and Biological Effects of Cadmium, Lead, Manganese and Zinc in the Short Creek/Empire Lake Aquatic System in Cherokee County, Kansas*. Published by KWRRI as Contribution #277, USGS G1563-06. 106 pp. + appendix.

Ferrington, L. C., Jr. 1990. Abundance and Longitudinal Distribution of *Chironomus riparius* near the Middle Basin WWTP in Johnson County, Kansas. Grant completion report for Johnson County Wastewater District. Technical report of the Kansas Biological Survey.

Ferrington, L. C., Jr. 1993. Water Chemistry, Sediment Chemistry, Fish and Macroinvertebrate Communities of the Galena Superfund Subsite of the Tri-State Mining District. Technical Report of the Kansas Biological Survey Number 56. 85 pp. + appendices.

Ferrington, L. C., Jr. 1996. Evaluation of the Effectiveness of Artificial Plastic Media for Reducing the Densities of Nuisance Levels of Filter Flies in Trickling Water Filters. Grant completion report to Johnson County Unified Waste Water District. Technical Publication of the Kansas Biological Survey.

Ferrington, L. C., Jr., B. Hayford, R. Chou, S. Reynolds, C. Wright and D. Goldhammer. 1997. Final Report: Summary of water chemistry, sediment chemistry, fish populations and macroinvertebrate communities for selected sites at the Galena sub-site of the Cherokee County Superfund Site, Cherokee County, Kansas, within the Tri-State Mining District, Phase II. Technical Report Number 83 of the Kansas Biological Survey. 88 pp. + appendices.

Ferrington, L. C., Jr., 1998. Monitoring and Assessment of Invertebrates in Selected Streams with Elevated Concentrations of Heavy Metals in U. S. EPA Region VII. Report I: Cannon Creek, Holt County, Missouri. Report to U. S. EPA, Region VII. Technical Publication Number 89 of the Kansas Biological Survey. 37 pp. + appendices

Donley, S. R., L. C. Ferrington Jr. and D. G. Huggins. 1999. Development of biological criteria for macroinvertebrates for streams of the Western Cornbelt Plains Ecoregion. Technical Report Number 90 of the Kansas Biological Survey. 50 pp. + appendix.

Ferrington, L. C., Jr., S. T. Stringer and S. M. Stringer. 1999. Summary of water chemistry and macroinvertebrate communities for selected sites at the Galena sub-site of the Cherokee County Superfund Site, Cherokee County, Kansas, within the Tri-State Mining District, Year one of Phase III. Technical Report Number 94 of the Kansas Biological Survey. 18 pp. + appendices.

Ferrington, L. C., Jr., S. M. Stringer and S. T. Stringer. 2000. Summary of water chemistry and macroinvertebrate communities for selected sites at the Galena sub-site of the Cherokee County Superfund Site, Cherokee County, Kansas, within the Tri-State Mining District, Year two of Phase III. Technical Report Number 97 of the Kansas Biological Survey. 25 pp. + appendices.

Ferrington, L. C., Jr. 2001. Summary of water chemistry and macroinvertebrate communities for selected sites at the Galena sub-site of the Cherokee County Superfund Site, Cherokee County, Kansas, within the Tri-State Mining District, Year Three of Phase III. Technical Report Number 102 of the Kansas Biological Survey. 32 pp. + appendices.

Ferrington, L. C., Jr. 2002. Monitoring and Assessment of Invertebrates in Selected Streams with Elevated Concentrations of Heavy Metals in U. S. EPA Region VII. Report II: Big Creek, Iron County, Missouri. Report to U. S. EPA, Region VII. Technical Publication of the Kansas Biological Survey.

Ferrington, L. C., Jr. and M. L. Karius. (Editors). *Guide to the Aquatic Invertebrates of the Upper Midwest*. University Of Minnesota, Water Resources Center, Saint Paul, MN. 55108.