

## PUBLICATIONS DEALING WITH STREAM ECOLOGY

- Ferrington, L. C., Jr. 1984. Drift Dynamics of Chironomidae Larvae: I. Preliminary Results and Discussion of Importance of Mesh Size and Level of Taxonomic Identification in Resolving Chironomidae Diel Drift Patterns. *Hydrobiologia* 114: 215-227.
- Ferrington, L. C., Jr. 1984. Evidence for the Hyporheic Zone as a Microhabitat of *Krenosmittia* spp. Larvae (Diptera: Chironomidae). *Journal of Freshwater Ecology* 2(4): 353-358.
- Ferrington, L. C., Jr. and C. Christianssen. 1985. Biological and Statistical Significance of *Stenochironomus* Larvae on Artificial Substrate Samplers with Masonite Discs. *Journal of the Kansas Entomological Society* 58(4): 724-726.
- Ferrington, L. C., Jr. 1987. Chironomidae in the Capillary Fringe of the Cimarron River. *Journal of the Kansas Entomological Society* 60(1): 153-156.
- Ferrington, L. C., Jr. 1987. Microhabitat Preferences of Larvae of Three Orthoclaadiinae Species (Diptera: Chironomidae) in Big Springs, a Sand-Bottom Spring in the High Plains of Western Kansas. *Entomologica Scandinavica supplement* 29: 361-368.
- 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.
- Ferrington, L. C., Jr. and D. S. Goldhammer. (1992). The Biological Significance of Capillary Fringe Habitat in Large Sandy-Bottomed Rivers of the Central Plains. pp. 203-225. In: *Proceedings of Symposium on Aquatic Resources in Semi-Arid Environments*. Bohart and Bothwell (Eds.) N.H.R.I. Symposium Series 7. 375 pp.
- Ferrington, L. C. Jr. (1992). Habitat and Sediment Preferences of *Axarus festivus* larvae. *Netherlands Journal of Aquatic Ecology* 26(2-4): 347-354
- Goldhammer, D.S. and L.C. Ferrington, Jr. (1992) Emergence of Aquatic Insects from Epirheic Zones of Capillary Fringe Habitats in the Cimarron River, Kansas. pp. 155-164. In: *Proceedings of the First International Conference on Ground Water Ecology*. Stanford, J. A. and J. J. Simons (Eds.) American Water Resources Association, Bethesda, MD. 420 pp.
- Ferrington, L. C., Jr., K. M. Buzby & E. C. Masteller. 1993. Composition and Temporal Abundance of Chironomidae Emergence from a Tropical Rainforest Stream at El Verde, Puerto Rico. *Journal of the Kansas Entomological Society*. 66(2): 167-180.

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.

Blackwood, M. A., S. M. Hall and L. C. Ferrington, Jr. 1995. Emergence of Chironomidae from Springs in the Central High Plains Region of the United States. Pp 132-151, In: *Biodiversity of Aquatic Insects and Other Invertebrates in Springs*. L. C. Ferrington, Jr. (Ed.). Special Publication No. 1, Journal of the Kansas Entomological Society, 165 pp.

Ferrington, L. C. Jr., R. G. Kavanaugh, F. J. Schmidt and J. L. Kavanaugh. 1995. Habitat Separation Among Chironomidae (Diptera) in Big Springs. Pp 152-165, In: *Biodiversity of Aquatic Insects and Other Invertebrates in Springs*. L. C. Ferrington, Jr. (Ed.). Special Publication No. 1, Journal of the Kansas Entomological Society, 165 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.

Ferrington, L. C. Jr. 1998. Generic Composition of Chironomidae in Springs of North America. Invited chapter- pp.141-155, In: *Studies in Crenobiology: The Biology of Springs and Springbrooks*, L. Botosononeau (ed.) Backhuys Publishers, Leiden, The Netherlands.

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.

Donley, S., L. C. Ferrington Jr. and D. Strayer. 1998. The habitat of *Paraboreochlus* larvae (Diptera: Chironomidae). *Journal of the Kansas Entomological Society* 71:501-504.

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.

Chou, R. Y. M., L. C. Ferrington, Jr., B. L. Hayford, and H. M. Smith. 1999. Composition and Phenology of Chironomidae (Diptera) from an Intermittent Stream in Kansas. *Archives für Hydrobiologie*. 147: 35-64.

Ferrington, L. C. Jr. 2000. Hibernial emergence patterns of Chironomidae in lotic habitats of Kansas versus ambient air and water temperatures. pp. 375-382, In: *Late 20th Century Research on Chironomidae*. O. Hoffrichter (ed.) Shaker Verlag, Aachen, Germany. 661 pp.

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

Ferrington, L. C., Jr. 1985. Population Study of *Optioservus phaeus* White, a Riffle Beetle of Threatened Status Endemic to Kansas. Grant completion report to Kansas Fish and Game Department (Contract # 5054-705). 46 pp. + appendix.

Ferrington, L. C. Jr. 1987. Freshwater Sponges of Kansas and Their Associated Entomofauna. Technical Report of the Kansas Biological Survey, 36 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. 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. 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., W. H. Buzby & M. A. Blackwood. 1991. Status Report on *Optioservus phaeus* White (Scott Riffle Beetle). Technical Report of the Kansas Biological Survey Number 49. 21 pp.

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., 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.