

# The Great Lakes Entomologist

---

Volume 38  
Numbers 3 & 4 - Fall/Winter 2005 *Numbers 3 &  
4 - Fall/Winter 2005*

Article 2

---

October 2005

## First Ontario, Canada Record of the Water Boatman *Hesperocorixa Lobata* (Hemiptera: Corixidae)

Stephen W. Chordas III  
*Ohio State University*

Eric G. Chapman  
*Kent State University*

Follow this and additional works at: <https://scholar.valpo.edu/tgle>



Part of the [Entomology Commons](#)

---

### Recommended Citation

Chordas, Stephen W. III and Chapman, Eric G. 2005. "First Ontario, Canada Record of the Water Boatman *Hesperocorixa Lobata* (Hemiptera: Corixidae)," *The Great Lakes Entomologist*, vol 38 (2)  
Available at: <https://scholar.valpo.edu/tgle/vol38/iss2/2>

This Peer-Review Article is brought to you for free and open access by the Department of Biology at ValpoScholar. It has been accepted for inclusion in *The Great Lakes Entomologist* by an authorized administrator of ValpoScholar. For more information, please contact a ValpoScholar staff member at [scholar@valpo.edu](mailto:scholar@valpo.edu).

## FIRST ONTARIO, CANADA RECORD OF THE WATER BOATMAN *HESPEROCORIXA LOBATA* (HEMIPTERA: CORIXIDAE)

Stephen W. Chordas III<sup>1</sup> and Eric G. Chapman<sup>2</sup>

Documentation of the true bugs (Hemiptera) of Canada and the United States is an ongoing effort (Henry and Froeschner, 1988; Maw et al., 2000). Maw et al. (2000) listed 12 species of water boatmen belonging to the genus *Hesperocorixa* for Canada. Ontario has the greatest diversity of this genus with all 12 species listed for the Province. In 2004, we collected *Hesperocorixa lobata* (Hungerford) (Hemiptera: Corixidae), a new record for Ontario.

The authors visited a fen and wetland complex 20km NNW of Durham, near the hamlet of Mooresburg, Ontario during September of 2004 where we collected a single male specimen of *H. lobata*. This site is not near the U.S. border and this record represents a northern range extension of about 200km. We identified our specimen using the key plus illustrations of the distinctive male capsule and clasper in Hungerford (1948). It was preserved in 70% ethanol and deposited in the senior author's collection.

**Collection data:** Canada. Ontario, Grey County. Krug Forest: Kinghurst tract. Wetland off walking trail off west side of Concession Road 4 (across from Harrison Lake). Coordinates: N44.328 , W80.906. Steve W. Chordas III & Eric G. Chapman. Dipnet. 25 September 2004.

*Hesperocorixa lobata* was previously known from Nova Scotia, Canada and from 13 states (Connecticut, Georgia, Maine, Maryland, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New York, Rhode Island, Vermont, Wisconsin) in the United States (Fig. 1). Hilsenhoff (1984) reported this species for northern Wisconsin, but absent from southern Wisconsin. Given its predominant occurrence in the Great Lakes region, its presence in southern Ontario is within its known range and not surprising (Fig. 1).

Figure 1. Distribution of *Hesperocorixa lobata* in America north of Mexico.



<sup>1</sup>Ohio State University, 1063 West 2nd Avenue, Columbus, OH 43212-3612.

<sup>2</sup>Department of Biological Sciences, Kent State University, Kent, OH 44242-0001.

The addition of *Hesperocorixa lobata* brings to 13 the total species of *Hesperocorixa* known for Ontario. Based on distribution data from Polhemus et al. (1988), *Hesperocorixa nitida* (Fieber) may be expected for Canada as it is well known in the Great Lakes region. It has been collected from Indiana, Ohio, Michigan, Minnesota, New Hampshire, New York and Pennsylvania but is unrecorded for Canada (Jansson, 2002; Polhemus et al., 1988).

#### LITERATURE CITED

- Henry, T. J., and R. C. Froeschner. 1988. Catalog of the Heteroptera, or true bugs, of Canada and the continental United States. E.J. Brill, New York.
- Hilsenhoff, W. L. 1984. Aquatic Hemiptera of Wisconsin. Gt. Lakes Entomol. 17: 29-50.
- Hungerford, H. B. 1948. The Corixidae of the Western Hemisphere (Hemiptera). Univ. Kans. Sci. Bull. 32: 1-827.
- Jansson, A. 2002. New Records of Corixidae (Heteroptera) from northeastern USA and eastern Canada, with one new synonymy. Entomol. Fenn. 13: 85-88.
- Maw, H. E. L., R. G. Foottit, K.G. A. Hamilton, and G. G. E. Scudder 2000. Checklist of the Hemiptera of Canada and Alaska. NRC Research Press, Ottawa, Ontario, Canada.
- Polhemus, J. T., R. C. Froeschner, and D. A. Polhemus. 1988. Family Corixidae Leach, 1815, the water boatman, pp. 93-118. *In* T. J. Henry, and R. C. Froeschner (eds.), Catalog of the Heteroptera, or true bugs, of Canada and the continental United States. E. J. Brill. New York.