

**A revision of *Caenodelphax* Fennah (Hemiptera: Fulgoroidea: Delphacidae) to include species misallocated to *Delphacodes* Fieber**

**Kennedy A.**

**University of Delaware – Department of Entomology and Wildlife Ecology  
akenne12@jhu.edu**

The delphacid planthopper genus *Caenodelphax* Fennah, 1965, although small, has had a complicated taxonomic history. At this time, it consists of 4 species: *C. taepae*, *C. nigriscutellata*, *C. atridorsum*, and *C. philyra*; all previously assigned to *Delphacodes* Fieber, 1866. *Delphacodes* is a western Palearctic genus with 10 species, although there are over 124 New World species currently assigned to the genus. Hamilton (2002) redescribed *Caenodelphax* in a broader sense than prior authors, and noted that about 10 species belonged in this genus, but did not specify the taxa except for *C. nigriscutellata*. This study will revise 14 *Caenodelphax* allied *Delphacodes* species with reference to a morphological and molecular phylogenetic analysis and develop online resources for included taxa.

**Table 1.** Species potentially included in *Caenodelphax* including location of types, and reported range.

<b>Species</b>	<b>Author, Year</b>	<b>Type Location</b>	<b>Known Range</b>
<i>C. atridorsum</i>	(Beamer, 1947)	SEMC	USA: OR
<i>C. nigriscutellata</i>	(Beamer, 1947)	SEMC	USA: IA, KS, MO; CAN: AB, MB, ON
<i>C. philyra</i>	(Fennah, 1959)	BMNH	St. Lucia
<i>C. taepae</i>	(Fowler, 1905)		USA: FL; Cuba, Dominica, Dominican Republic, Grenada, Guadeloupe, Haiti, Jamaica, Martinique, Panama, Puerto Rico, Peru, St. Vincent, Tobago, Trinidad, Venezuela
<i>D. adunca</i>	Beamer, 1948	SEMC	USA: FL, NC
<i>D. andromeda</i>	(Van Duzee, 1907)	CASC	USA: FL, IL, MA, MO, MS, NC, TN; Caribbean
<i>D. aterrima</i>	Muir, 1926	BPBM?	Brazil, Guyana
<i>D. balli</i>	Muir and Giffard, 1924	CASC	USA: CT; CAN: ON
<i>D. incurva</i>	Beamer, 1948	SEMC	USA: CT, KS; CAN: BC
<i>D. latidens</i>	Beamer, 1948	SEMC	USA: TX
<i>D. nitens</i>	Muir and Giffard, 1924	BPBM	USA: IL, MD, OH, PA, TN
<i>D. recurvata</i>	Beamer, 1948	SEMC	USA: DC, FL, NC
<i>D. shermani</i>	(Metcalf, 1923)	NCSU	USA: KS, NC
<i>D. xerosa</i>	Caldwell and Martorell, 1951	USNM	Puerto Rico

**References**

- Fennah, R. G. 1965. New Species of Fulgoroidea (Homoptera) from the West Indies. Transactions of the Royal Entomological Society, London 117(4): 95-126.
- Hamilton, K.G.A. 2002. Homoptera (Insecta) in Pacific Northwest grasslands. Part 1 - New and revised taxa of leafhoppers and planthoppers (Cicadellidae and Delphacidae). Journal of the Entomological Society of British Columbia 99: 3-31.