

New Locality Records for Four Species of Lower Diptera in the Florida Keys, Florida, USA¹

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Abstract: New locality records for *Nemopalpus nearcticus* Young 1974 (Psychodidae), *Pseudolycoriella parilis* (Johannsen) 1912 (Sciaridae), *Calusamyia hribari* Coher 2011 (Keroplastidae), and *Didactylomyia longimana* (Felt) 1908 (Cecidomyiidae) are reported in the Florida Keys, USA.

Key Words: New records, Diptera, Florida Keys, USA

The Florida Keys Mosquito Control District maintains over 70 dry ice-baited light traps throughout the island chain. Although the traps are set specifically for mosquito surveillance, other insects are captured and occasionally provide new distribution records. New locality records for some lower Diptera are presented below. Previously reported records from Florida are summarized for each species. All new records are from Florida, Monroe County. Illustrations for all the species are provided in the primary literature herein listed.

Nemopalpus nearcticus Young 1974: 109. (Psychodidae)

New Records: Key Largo, 14 Feb 2018, L. Frischman, light trap, 2 ♀♀, 4 ♂♂; 7 Mar 2018, 2 ♂♂; 12 Apr 2018, 1 ♂.

Distribution: Known only from Florida. Previously known from Gainesville, Alachua County; Gulf Hammock, Levy County; and Vaca Key, Monroe County (Young 1974, Mahmood and Alexander 1992, Hribar and DeMay 2011, Pruszyński and Hribar 2012).

Pseudolycoriella parilis (Johannsen) 1912: 132. (Sciaridae)

New Record: Little Crawl Key, 15 Nov 2017, H. Murray, light trap, 11 ♀♀, 1 ♂.

Distribution: Known from Kansas, New Hampshire, New York (Stone et al. 1983). Previously known in Florida from Big Pine Key, No Name Key, and Vaca Key in Monroe County; and Everglades National Park (Mohrig et al. 2012).

Calusamyia hribari Coher 2011: 4. (Keroplastidae)

New Records: Flamingo Island, 9 Apr 2018, V. Seaverns, light trap, 1 ♂; Shelter Key, Key Colony Beach, 2 May 2018, V. Seaverns, light trap, 2 ♂♂; Lower Matecumbe Key, 24 Apr 2018, L. Frischman, light trap, 1 specimen, sex undetermined.

¹ Received on May 30, 2018. Accepted on June 2, 2018. Last revisions received on July 15, 2018.

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Distribution: Known only from Florida. Previously known from Big Pine Key, Grassy Key, Key West, Little Crawl Key, Long Point Key, Lower Sugarloaf Key, No Name Key, and Vaca Key in Monroe County (Coher 2011, Hribar and Coher 2012, Pruszyński and Hribar 2012).

Didactylomyia longimana (Felt) 1908: 416. (Cecidomyiidae)

New Record: Vaca Key, Crane Point, 9 May 2018, V. Seaverns, light trap, 1 ♀.

Distribution: Known from Massachusetts and New York (Stone et al. 1983). Previously known in Florida from Alachua County and from Big Pine Key, Cudjoe Key, Key Largo, Little Knockemdown Key, Long Key, No Name Key, Upper Matecumbe Key, and Tavernier in Monroe County (Sivinski and Stowe 1980, Hribar 2005, Hribar and Plakidas 2011).

Acknowledgments

Five colleagues reviewed this paper, and all are wholeheartedly thanked.

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