

Pearson, D.L., T.G. Barraclough, and A.P. Vogler. 1997. Distributional maps for North American species of tiger beetles (Coleoptera: Cicindelidae). *CICINDELA* 29(3-4): 33-84.

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OCURRENCE OF *CICINDELA (CICINDELIDIA) TRIFASCIATA*
ASCENDENS LE CONTE (COLEOPTERA: CICINDELIDAE) IN
MISSOURI

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Cicindela (Cicindelidia) trifasciata ascendens LeConte has a core distribution in North America along the Gulf Coast and Atlantic Coast north to Virginia (Pearson *et al.* 1997). However, this tiger beetle is well known for its vagility and has been recorded as far north as Massachusetts on the Atlantic Coast and from inland states, including, Arkansas, Oklahoma, Tennessee, and Kansas as well as an offshore record from the Gulf of Mexico where it was found 160 km from shore on oil drilling platforms (Charlton and Kopper 2000, Freitag 1999, Pearson *et al.* 1997, Comblon and Schultz 1993, Graves 1981). Though the majority of long-range dispersal records for the species are for *C. t. ascendens* in North America, the same behavior has also been documented for other subspecies of *C. trifasciata* Fabricius, including a more than 1,000 km dispersal by *C. t. latiorisignata* Mandl from its known range along coastal South America to the island of Santa Cruz in the Galapagos Archipelago (where it has since become established) (Descender *et al.* 1992). Additionally, Pearson and Wiesner (2004) reported the first specimen of *C. trifasciata* collected from Brazil, well south of the closest known populations of *C. t. trifasciata* along the coast of Venezuela. The latter case of dispersal may have been mediated by anthropogenic means (Pearson and Wiesner 2004). Other explanations for the long-range dispersal habits of *C. trifasciata* include the use of major rivers as arteries for dispersal or aided by weather events such as strong winds, tornadoes, and hurricanes (Pearson and Wiesner 2004, Charlton and Kopper 2000).

This note further documents the vagility of *C. t. ascendens* by reporting a new state record from Missouri. The authors recorded a single *C. t. ascendens* from southeastern Missouri on September 14, 2000

in Carter county. The individual was observed among numerous individuals of *C. (s. str.) repanda* Dejean on a damp sand shore along the Current River at Big Spring Campground (T26N R1E S6). The species was only encountered on one occasion despite multiple trips to the location throughout the season. This suggests the record represents a vagrant individual, in contrast to the observations of Charlton and Kopper (2000) who reported a disjunct, possibly established population of this subspecies in Kansas. The identity of the specimen was verified by Ron Huber and resides in the collection of the second author.

Literature Cited

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