

## NOTA / NOTE

New record of *Aedes vittatus* (Bigot, 1861)  
(Diptera: Culicidae) in Galicia.Miguel Domínguez-Costas<sup>1</sup> & César Ayres<sup>2</sup><sup>1</sup> Bajada a la Salgueira, 21. E-36204 Vigo (Pontevedra, SPAIN).<sup>2</sup> AHE-Galicia. c/ Barcelona, 86, 6C. E-36211 Vigo (Pontevedra, SPAIN). e-mail: galicia@herpetologica.org

**Abstract:** A new report of *Aedes vittatus* (Bigot, 1861) (Diptera: Culicidae) in Galicia is reported. On 25 June 2020, a female was detected on a small trail near Vide (As Neves, Pontevedra).

**Key words:** Diptera, Culicidae, *Aedes vittatus*, Miño River, Galicia, Iberian Peninsula, mosquito, distribution.

**Resumen:** Nueva cita de *Aedes vittatus* (Bigot, 1861) (Diptera: Culicidae) en Galicia. Se presenta una nueva cita de *Aedes vittatus* (Bigot, 1861) (Diptera: Culicidae) en Galicia. El 25 de junio de 2020 fue detectada una hembra en un pequeño sendero cercano a Vide (As Neves, Pontevedra).

**Palabras clave:** Diptera, Culicidae, *Aedes vittatus*, Río Miño, Galicia, Península Ibérica, mosquito, distribución.

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The current distribution of *Aedes vittatus* (Bigot, 1861) (Diptera: Culicidae) in the Iberian Peninsula remains poorly known (Bueno Marí & Jiménez Peydró, 2010; Díez-Fernández *et al.*, 2018). A recent citizen science project reported the first observation of the species in Galicia (North-Western Spain), close to the border with Portugal (Eritja *et al.*, 2018).

This mosquito species has an important role in the maintenance and transmission of yellow fever, dengue, chikungunya, and Zika viruses (Bueno Marí & Jiménez Peydró, 2010; Sudeep & Shil, 2017).

Here, we present a new report of *A. vittatus* in Galicia. On 25 June 2020, a female of *A. vittatus* tried to feed on one of us (MDC), while walking on a small trail near Vide (As Neves, Pontevedra, 29TNG55). We captured the mosquito to confirm its identification as *A. vittatus*, as it presented a key diagnostic feature, the presence of 4 to 6 white dots on the shield (Fig. 1) (<https://www.medilabsecure.com/moskeytool.html>). We uploaded photos of the individual to the Mosquito Alert App (<http://www.mosquitoalert.com/>). Experts from the Mosquito Alert project confirmed the identification of the species.

Our finding represents a new observation of *A. vittatus* in the North-West of the Iberian Peninsula, 10 km to the west of the first report in Galicia. Further fieldwork should be carried out to determinate the extent of the current distribution of this mosquito species in this area.

## References

Bueno Marí, R. & Jiménez Peydró, R. 2010. Revisión y datos nuevos de *Aedes vittatus* (Bigot, 1861) para España (Diptera: Culicidae). *Dugesiana*, 17(2): 143-144.

Díez-Fernández, A., Martínez-de la Puente, J., Ruiz, S., Gutiérrez-López, R., Soriguer, R. & Figuerola, J. 2018. *Aedes vittatus* in Spain: current distribution, barcoding characterization and potential role as a vector of human diseases. *Parasites & vectors*, **11**(1): 1-6.

Eritja, R., Rubido-Bará, M., Delacour-Estrella, S., Bengoa, M., Ruiz-Arrondo, I. & Alert, C.M. 2018. Ciencia ciudadana y biodiversidad: primera cita de *Aedes (Fredwardsius) vittatus* (Bigot, 1861) (Diptera: Culicidae) en Galicia, mediante el proyecto Mosquito Alert. *Anales de Biología*, **40**: 41-45.

Sudeep, A.B. & Shil, P. 2017. *Aedes vittatus* (Bigot) mosquito: An emerging threat to public health. *Journal of Vector Borne Diseases*, **54**(4): 295.



Fig. 1. - Female of *Aedes vittatus*.