

NOTA / NOTE

Telmatophilus typhae (Fallén, 1802)
(Coleoptera: Cryptophagidae), new species for PortugalFrancisco Gil¹ & José Manuel Grosso-Silva²

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Abstract: *Telmatophilus typhae* (Fallén, 1802) (Coleoptera: Cryptophagidae) is reported for the first time from Portugal, extending its known distribution range in the Iberian Peninsula, that is also summarised and mapped.

Key words: Coleoptera, Cryptophagidae, *Telmatophilus typhae*, first record, Portugal.

Resumen: *Telmatophilus typhae* (Fallén, 1802) (Coleoptera: Cryptophagidae), nueva especie para Portugal. Se cita *Telmatophilus typhae* (Fallén, 1802) (Coleoptera: Cryptophagidae) por primera vez de Portugal, ampliando su distribución conocida en la Península Ibérica, que también se resume y mapea.

Palabras clave: Coleoptera, Cryptophagidae, *Telmatophilus typhae*, primer registro, Portugal.

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Introduction

Telmatophilus typhae (Fallén, 1802) is a small (1.5 to 2.3 mm in length) beetle of the family Cryptophagidae, commonly found in groups on *Typha* spp. (Typhaceae) as well as other aquatic plants like *Sparganium* spp. (Typhaceae) and *Carex* spp. (Cyperaceae), where it feeds on pollen (HOEBEKE & WHEELER, 2000; OTERO, 2011, 2012, 2013).

It is a Palearctic species with a large distribution range in Europe, having been recorded in 29 countries from Spain to Russia (HOEBEKE & WHEELER, 2000; JOHNSON & OTERO, 2007; OTERO, 2011, 2012). In the Iberian Peninsula, *T. typhae* has been reported from nine Spanish provinces (Map 1): A Coruña, Barcelona, Cádiz, Girona, Granada, Huelva, Madrid, Málaga and Valencia (OTERO, 2011, 2012). It was also recorded from the island of Mallorca, in the Balearic archipelago (OTERO, 2011, 2012).

In this paper, we present the first record of *T. typhae* from Portugal, more specifically from the district of Porto.

Results

Material examined: PORTUGAL: Porto district: Lousada municipality: Meinedo, on the left bank of the river Sousa (41.252271, -8.262773; 167 m above sea level; MGRS 29TNF6167): 06/06/2023 (11 specimens, F. Gil leg., MHNC-UP col.: MHNCUP-ART-41144 to MHNCUP-ART-41154).

All specimens were found on a stem of *Typha* sp., in a group of around 20 individuals. Fig. 1 shows one of the specimens collected and Fig. 2 the group on the plant.

The identification was based on the keys presented by OTERO (2011, 2012). Furthermore, one male specimen (MHNCUP-ART-41144) was dissected and its genitalia was compared to the structure illustrated by OTERO (2011, 2012).

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References

HOEBEKE, E.R. & WHEELER, Jr., A.G. 2000. *Telmatophilus typhae* (Fallén) (Coleoptera: Cryptophagidae), a Palearctic cattail specialist established in the Canadian Maritime Provinces. *Proceedings of the Entomological Society of Washington*, **102**: 398-402.

JOHNSON, C., OTERO, J.C. & LESCHEN, R.A.B. 2007. Family Cryptophagidae Kirby, 1837, pp. 513-531. In: LÖBL, I. & SMETANA, A. (eds.). *Catalogue of Palearctic Coleoptera. Volume 4. Elateroidea – Derodontoidea – Bostrichoidea – Lymexyloidea – Cleroidea – Cucujoidea*. Apollo Books. Stenstrup. 935 pp.

OTERO, J.C. 2011. *Coleoptera, Monotomidae, Cryptophagidae*. In: *Fauna Ibérica*, vol. 35. RAMOS, M.A. et al. (eds.). Museo Nacional de Ciencias Naturales. CSIC. Madrid. 365 pp.

OTERO, J.C. 2012. *Telmatophilus* Heer, 1841 (Coleoptera: Cryptophagidae) of western Palearctic region. *Entomologica Fennica*, **23**: 113-120.

OTERO, J.C. 2013. *Cryptophaginae (Coleoptera) de la región paleártica occidental*. *Coleopterological Monographs*, 4. Asociación Europea de Coleopterología. Barcelona. 295 pp.

Figs. 1-2. - *Telmatophilus typhae* (Fallén, 1802). 1.- One individual on a leaf of *Typha* sp. 2.- A group on a stem of *Typha* sp.

Map 1. - Iberian distribution of *Telmatophilus typhae* (Fallén, 1802) (grey: previously known Spanish provinces; green: new Portuguese district; orange: new Portuguese MGRS 100 km² square).

