

## SHORT NOTE

The Mayfly *Baetis atlanticus* (Soldán & Godunko, 2006) (Ephemeroptera: Baetidae) recorded in the Upper Bann catchment, Northern Ireland

In 2006, a new species of Baetidae, *Baetis atlanticus* (Soldán & Godunko, 2006), was discovered in the island of Madeira, Portugal, and initially thought to be a Macaronesian endemite. However, the presence of *B. atlanticus* has since been confirmed in mainland Europe (Rutschmann et al. 2014), in Britain (Macadam et al. 2018) and most recently in Ireland (Feeley & Macadam 2020).

Through long-term freshwater ecological monitoring, conducted by the Agri-Food and Biosciences Institute in Belfast, the presence of *B. atlanticus* was confirmed within the stream network of the Upper Bann catchment, at sites across a range of altitudes (Table 1). Nymphs of *B. atlanticus* were first recorded on 5 September 2018 and confirmed through seasonal samples collected on 14 November 2018, 15 May 2019, 7 August 2019, 4 November 2019 and 20 May 2020. The nymphs were identified using the key in Macadam et al. (2018).

This note represents the first verified record of *B. atlanticus* for Northern Ireland and the presence of nymphs throughout the seasons in two successive years suggests that the populations are well established. This also suggests that the species may be widespread in stream networks across the island of Ireland but is probably underrecorded at present because of its recent separation from the morphologically similar *Baetis rhodani* (Pictet) (Macadam et al. 2018).

TABLE 1. — COORDINATES AND ELEVATION OF 13 SAMPLING SITES WITHIN THE STREAM NETWORK OF THE UPPER BANN CATCHMENT, WHERE *BAETIS ATLANTICUS* (SOLDAN & GODUNKO, 2006) HAS BEEN OBSERVED.

Site Latitude (N) Longitude (W) Elevation (m a.s.l.)

1 54°20.092' 006°15.130' 53

2 54°19.065' 006°14.107' 79

3 54°19.134' 006°13.672' 74

4 54°15.583' 006°07.544' 81

5 54°13.980' 006°06.405' 86

6 54°11.009' 006°06.740' 121

7 54°11.440' 006°08.125' 79

8 54°11.910' 006°08.739' 84

9 54°16.962' 006°07.055' 72

10 54°18.137' 006°08.441' 72

11 54°19.284' 006°06.027' 126

12 54°19.227' 006°10.124' 112

13 54°17.440' 006°03.590' 77

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Article history: Received: 2 August 2021; Accepted: 4 August 2021; Published: xxxx