

MISCELLANEOUS IRISH CADDISFLY (TRICHOPTERA) RECORDS MAINLY FROM NATIONAL RIVER MONITORING WORK

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Abstract

Records are presented based mainly on caddisflies (Trichoptera) taken randomly by HBF on some Irish rivers during national Water Framework Directive monitoring surveys. These field collections have provided some very useful distributional data including new hectad and county records. The opportunity has also been taken to include some other records.

Key words: Trichoptera, caddisflies, Ireland, distribution, county records, Environmental Protection Agency.

Introduction

The Environmental Protection Agency conducts the national Water Framework Directive monitoring programme in Ireland (e.g. O'Boyle *et al.*, 2019) by which river water quality and trends are assessed with respect to ecological criteria and to physico-chemical water quality standards. All of the major rivers and their more important tributaries are included in the programme. The biological programme covers a channel length of approximately 13,200km and involves sampling at some 2,300 stations. The survey cycle is completed every three years.

During routine sampling as part of this programme, HBF took the opportunity to collect some caddisflies that he observed on several rivers. The visited rivers are mostly in areas seldom sampled for adult Trichoptera and although random captures, they have provided some very useful distributional data including new hectad and county records. The opportunity has also been taken to include some other records sent to JPOC.

Unless otherwise stated, specimens were identified by the senior author. The specimens were determined using Malicky (2004) and, Barnard and Ross (2012). Voucher material of the rarer species has been retained in the O'Connor collection.

All the records will be forwarded to the National Biodiversity Data Centre in Addendum 5 to the dataset "Caddisflies (Trichoptera) of Ireland" (O'Connor, 2020).

Family RHYACOPHILIDAE

***Rhyacophila dorsalis* (Curtis, 1834)**

LAOIS: Glenlahan River, Clarahill Bridge (N3410), 1♂ 8 June 2020, H. B. Feeley.

Family GLOSSOSOMATIDAE

***Agapetus delicatulus* McLachlan, 1884**

LAOIS: Douglas River, bridge downstream of Gale's Bridge (Coolanagh) (S6883), 2♂♂ 16 June 2020; Owenass River, bridge north of Irishtown House on the N88 (N4507), 1♂ 9 June 2020, all H. B. Feeley.

WICKLOW: River Slaney, Kelsha Bridge (S9394), 1♂ 14 July 2020, H. B. Feeley.

***Agapetus fuscipes* Curtis, 1834**

CARLOW: Aghalona River, bridge near Moatalusha House (S8072), 1♂ 18 June 2020; Aughnabrisky River, downstream of Scullogue Bridge (S8148), 1♂2♀♀ 25 June 2020; Ballyroughan Little River, bridge south-west of Ballyroughan Little (S7446), 1♂ 29 June 2020 all H. B. Feeley.

DUBLIN: Delvin River, bridge north-west of Forty Acres (O1463), 1♂ 8 July 2010, H. B. Feeley.

KILKENNY: River Gowran, bridge at the west side of Gowran (S6253), 9♂♂1♀ 24 June 2020, bridge east of Freneystown (S5959), 1♂ 23 June 2020, all H. B. Feeley.

LAOIS: Owenass River, bridge north of Irishtown House on the N88 (N4507), 1♂ 9 June 2020; Stradbally River, bridge north-west of Ballintlea (S5389), 3♂♂1♀ 15 June 2020, all H. B. Feeley.

MEATH: Mosney River, south of Mosney House (O1569), 4♂♂1♀ 8 July 2020; Nanny River, upstream of Beaumont Bridge (O0769), 1♂ 8 July 2020, all H. B. Feeley.

OFFALY: Enaghan Stream, bridge upstream of the Coolnagillagh stream confluence (N5316), 1♀ 4 June 2020, H. B. Feeley.

WEXFORD: Aughnacrew River, Ballinvegga Bridge (S7932), 1♂ 30 June 2020, bridge just upstream of the Pollmounty River confluence (S7634), 1♂1♀ 30 June 2020, all H. B. Feeley.

***Glossosoma boltoni* Curtis, 1834**

KILKENNY: Duisk River, bridge in Graiguenamanagh (S7043), 1♀ 29 June 2020, H. B. Feeley.

***Glossosoma conformis* Neboiss, 1963 New to County Offaly (Fig. 1)**

OFFALY: Rathgibbon South, Killyon (N1306), 1♀ 17 September 2020, light-trap, R. Mc Kenna.

Family PHILOPOTAMIDAE

***Philopotamus montanus* (Donovan, 1813)**

WEXFORD: Askinvillar Stream, Askinvillar Bridge (S8445), 1 ♀ 15 July 2020, H. B. Feeley.

***Wormaldia occipitalis* (Pictet, 1834)**

WEXFORD: Askinvillar Stream, Askinvillar Bridge (S8445), 1 ♂ 15 July 2020, H. B. Feeley.

Family POLYCENTROPODIDAE

***Polycentropus flavomaculatus* (Pictet, 1834)**

CARLOW: Aghalona River, bridge north-east of Grangeford (S8175), 2 ♂♂ 18 June 2020; Ballyroughan Little River, bridge south-west of Ballyroughan Little (S7446), 6 ♂♂ 1 ♀ 29 June 2020, all H. B. Feeley.

DUBLIN: Ballyboghil River, bridge in Ballyboghil (O1553), 1 ♀ 13 July 2020; Broadmeadow River, bridge near the waterworks (O1848), 1 ♂ 9 July 2020, all H. B. Feeley.

KILKENNY: River Barrow, Ballyteigelea Bridge (S7150), 1 ♂ 29 June 2020, H. B. Feeley.

LAOIS: Crooked Stradbally, second bridge upstream of the Stradbally River confluence (S5694), 1 ♂ 15 June 2020; Fushoge River, bridge south of Crockaun (S6975), 1 ♂ 1 June 2020; Glenlahan River, Clarahill Bridge (N3410), 2 ♀♀ 8 June 2020; Owenass River, bridge north of Irishtown House on the N88 (N4507), 1 ♂ 9 June 2020; Stradbally River, Bauteoge Bridge (S5593), 2 ♂♂ 15 June 2020, all H. B. Feeley.

MEATH: Hurley River, just upstream of the Nanny River confluence (O0365), 3 ♂♂ 7 July 2020; Nanny River, bridge north-east of Bellewstown House (O0769), 1 ♂ 8 July 2020, all H. B. Feeley.

***Polycentropus irroratus* (Curtis, 1835)**

LAOIS: Stradbally River, Bauteoge Bridge (S5593), 1 ♂ 15 June 2020, H. B. Feeley.

Family PSYCHOMYIIDAE

***Lype phaeopa* (Stephens, 1836)**

MEATH: Hurley River, just upstream of the Nanny River confluence (O0365), 1 ♂ 7 July 2020, H. B. Feeley.

***Psychomyia pusilla* (Pictet, 1834)**

CARLOW: Ballyroughan Little River, bridge south-west of Ballyroughan Little (S7446), 1 ♂ 29 June 2020, H. B. Feeley.

***Tinodes maculicornis* (Pictet, 1834) (Fig. 2)**

DUBLIN: Broadmeadow River, west-south-west of Fieldstown House (O1050), 1 ♂ 9 July 2020, H. B. Feeley.

Tinodes maculicornis was first found in County Dublin in July 2019 when a male was taken in a Rothamsted light-trap operated in Dublin Zoo (O1235) (O'Connor and O'Connor, 2019).

KILKENNY: River Barrow, Ballyteigelea Bridge (S7150), 1♂ 29 June 2020, H. B. Feeley.
***Tinodes waeneri* (Linnaeus, 1758)**

DUBLIN: Ballyboghill River, bridge in Ballyboghill (O1553), 1♀ 13 July 2020; Broadmeadow River, west-south-west of Fieldstown House (O1050), 1♂ 9 July 2020, all H. B. Feeley.

Family HYDROPSYCHIDAE

***Hydropsyche angustipennis* (Curtis, 1834)**

MEATH: Nanny River, upstream of Beaumont Bridge (O0769), 1♂ 8 July 2020, H. B. Feeley.

***Hydropsyche instabilis* (Curtis, 1834) New to Counties Kilkenny and Laois (Fig. 3)**

KILKENNY: River Duiske, Aghclare Bridge (S6844), 1♀ 20 June 2020, H. B. Feeley.

LAOIS: Stradbally River, Bauteoge Bridge (S5593), 1♀ 15 June 2020, H. B. Feeley.

***Hydropsyche siltalai* Döhler, 1963**

DUBLIN: Delvin River, bridge north-west of Forty Acres (O1463), 1♂ 8 July 2010, H. B. Feeley.

LAOIS: Stradbally River, bridge west-north-west of Ballykilevan House (S5997), 1♂ 15 June 2020, H. B. Feeley.

MEATH: Hurley River, Rathfeigh, Oldbridge (N9962), 1♀ 7 July 2020, H. B. Feeley.

Family GOERIDAE

***Goera pilosa* (Fabricius, 1775)**

LAOIS: Douglas River, bridge downstream of Gale's Bridge (Coolanagh) (S6883), 2♂♂ 16 June 2020, H. B. Feeley.

MEATH: Hurley River, just upstream of the Nanny River confluence (O0365), 2♂♂ 7 July 2020, H. B. Feeley.

***Silo pallipes* (Fabricius, 1781)**

CARLOW: Aughnabrisky River, downstream of Scullogue Bridge (S8148), 1♂1♀ 25 June 2020, H. B. Feeley.

WICKLOW: River Slaney, Kelsha Bridge (S9394), 2♀♀ 14 July 2020, H. B. Feeley.

Family LEPIDOSTOMATIDAE

***Lepidostoma basale* (Kolenati, 1848) New to County Carlow (Fig. 4)**

CARLOW: Ballyroughan Little River, bridge south-west of Ballyroughan Little (S7446), 1♂ 29 June 2020, H. B. Feeley.

Family LIMNEPHILIDAE

***Limnephilus auricula* Curtis, 1834**

OFFALY: Rathgibbon South, Killyon (N1306), 1♂ 17 September 2020 & 1♀ 19 September 2020, light-trap, R. Mc Kenna.

***Limnephilus lunatus* Curtis, 1834**

OFFALY: Killaun Bog (N1005), 1♀ 16 September 2020, seen flying along a wet, unvegetated ditch separating high, vegetated raised bog and cutover bare peat, collected and determined M. Nolan; Rathgibbon South, Killyon (N1306), 1♂ 19 September 2020, light-trap, R. Mc Kenna.

***Limnephilus sparsus* Curtis, 1834**

CORK: Fota Wildlife Park (W7871), 1♂1♀ 14-20 September 2020, Rothamsted Insect Survey light-trap, per A. Riley.

***Stenophylax permistus* McLachlan, 1895 New to County Laois (Fig. 5)**

LAOIS: Glenlahan River, Clarahill Bridge (N3410), 1♀ 8 June 2020, H. B. Feeley.

Family SERICOSTOMATIDAE

***Sericostoma personatum* (Spence, 1826)**

CARLOW: Burren River, bridge north-west of Ballycrogue (S7374), 1♀ 18 June 2020, H. B. Feeley.

DUBLIN: Delvin River, bridge north-west of Forty Acres (O1463), 1♂ 8 July 2010, H. B. Feeley.

MEATH: Hurley River, just upstream of the Nanny River confluence (O0365), 2♂♂ 7 July 2020; Nanny River, bridge north-east of Bellewstown House (O0769), 1♂ 8 July 2020, upstream of Beaumont Bridge (O0769), 2♀♀ 8 July 2020, all H. B. Feeley.

OFFALY: Daingean River, bridge east of Mount Lucas House (N5227), 1♀ 3 June 2020, H. B. Feeley.

Family ODONTOCERIDAE

***Odontocerum albicorne* (Scopoli, 1763)**

CARLOW: Ballyroughan Little River, bridge south-west of Ballyroughan Little (S7446), 1♀ 29 June 2020, H. B. Feeley.

Family LEPTOCERIDAE

***Athripsodes aterrimus* (Stephens, 1836)**

MEATH: Hurley River, just upstream of the Nanny River confluence (O0365), 1♂ 7 July 2020; Nanny River, bridge north-east of Bellewstown House (O0769), 1♀ 8 July 2020, all H. B. Feeley.

OFFALY: Daingean River, bridge east of Mount Lucas House (N5227), 1 ♀ 3 June 2020, H. B. Feeley.

***Athripsodes cinereus* (Curtis, 1834) (Fig. 6)**

CARLOW: Burren River, Ballintrane Bridge (S7967), 1 ♀ 22 June 2020, bridge north-west of Ballycrogue (S7374), 1 ♀ 18 June 2020; River Barrow, Royal Oak Bridge (S6861), 4 ♂♂ 23 June 2020, all H. B. Feeley.

DUBLIN: Broadmeadow River, bridge near the waterworks (O1848), 2 ♂♂ 9 July 2020; Ward River, bridge north of Killeek (O1446), 5 ♂♂ 13 July 2020, all H. B. Feeley.

KILKENNY: River Barrow, Ballyteigelea Bridge (S7150), 1 ♂ 29 June 2020, H. B. Feeley.

LAOIS: Douglas River, bridge downstream of Gale's Bridge (Coolanagh) (S6883), 2 ♂♂ 16 June 2020, H. B. Feeley.

MEATH: Nanny River, bridge north-east of Bellewstown House (O0769), 1 ♂5 ♀♀ 8 July 2020, H. B. Feeley.

OFFALY: River Barrow, Kilnahown Bridge (S5110), 3 ♂♂1 ♀ 10 June 2020, H. B. Feeley.

***Mystacides azurea* (Linnaeus, 1761) (Fig. 7)**

CARLOW: Ballyroughan Little River, bridge south-west of Ballyroughan Little (S7446), 1 ♀ 29 June 2020, H. B. Feeley.

DUBLIN: Ballyboghil River, bridge in Ballyboghil (O1553), 1 ♂ 13 July 2020, H. B. Feeley.

MEATH: Dunshaughlin Stream, Cookstown Bridge (O0452), 3 ♂♂ 9 July 2020; Hurley River, just upstream of the Nanny River confluence (O0365), 3 ♂♂1 ♀ 7 July 2020, Rathfeigh, Oldbridge (N9962), 2 ♂♂ 7 July 2020, all H. B. Feeley.

OFFALY: River Barrow, Kilnahown Bridge (S5110), 1 ♂ 10 June 2020, H. B. Feeley.

WEXFORD: Boro River, Ballymackesy Bridge (S8935), 2 ♂♂ 30 June 2020, H. B. Feeley.

WICKLOW: River Slaney, Waterloo Bridge (S9093), 1 ♂ 14 July 2020, H. B. Feeley.

***Oecetis testacea* (Curtis, 1834) New to County Carlow (Fig. 8)**

CARLOW: Ballyroughan Little River, bridge south-west of Ballyroughan Little (S7446), 1 ♂ 29 June 2020, H. B. Feeley.

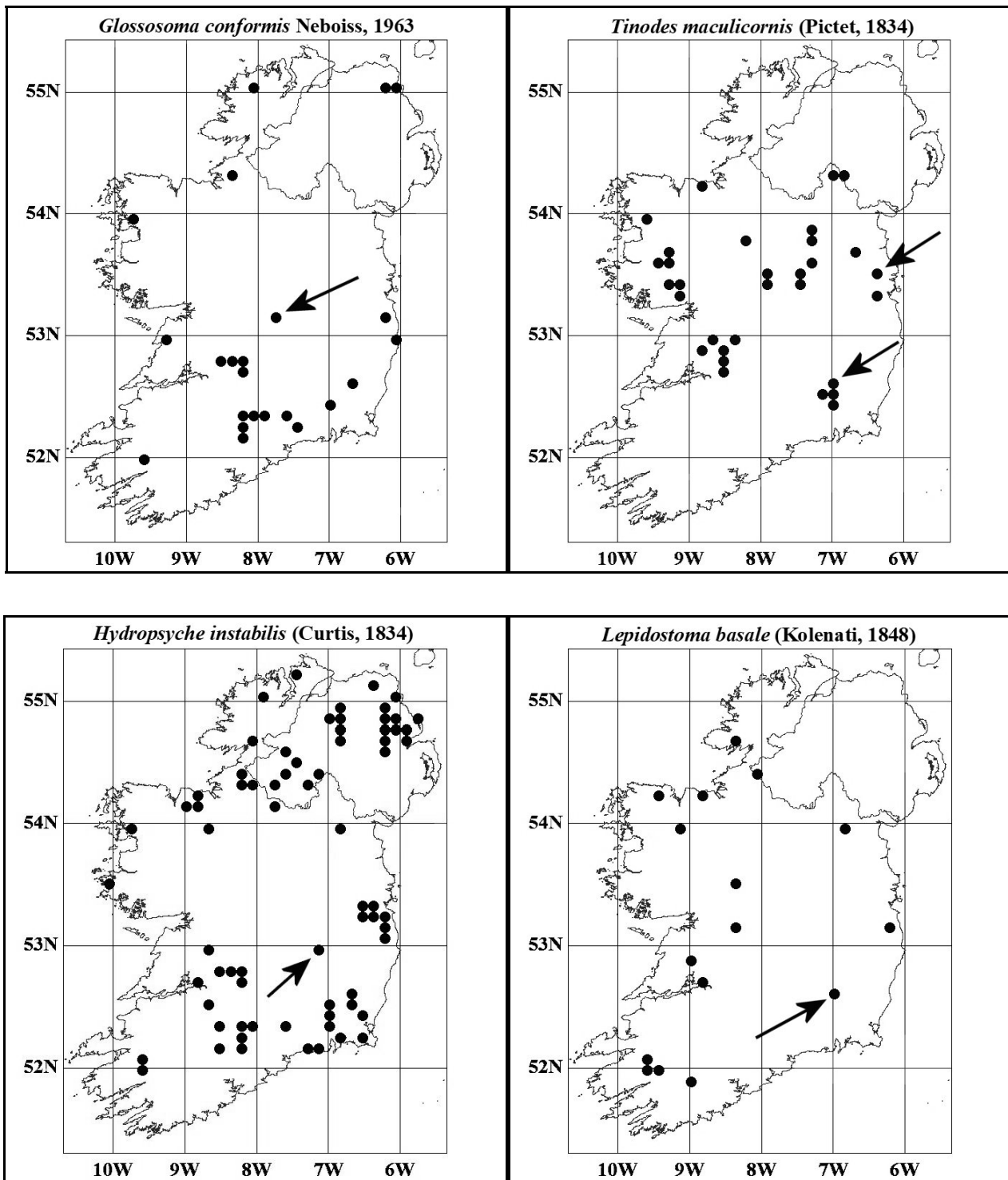
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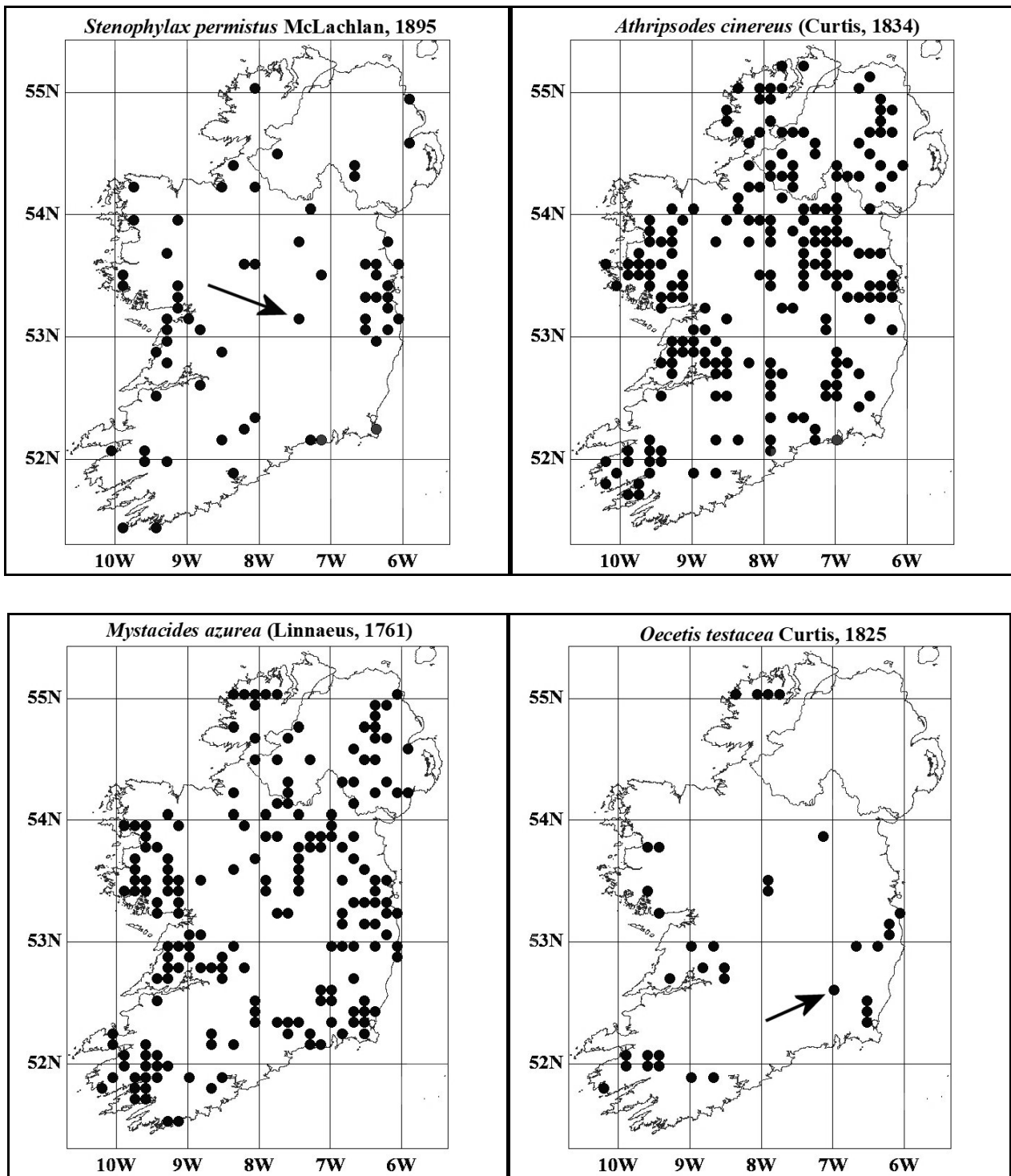
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FIGURES 1-4. The known Irish distributions of *Glossosoma conformis* Neboiss, 1963, *Tinodes maculicornis* (Pictet, 1834), *Hydropsyche instabilis* (Curtis, 1834) and *Lepidostoma basale* (Kolenati, 1848). Significant records are indicated by arrows.



FIGURES 5-8. The known Irish distributions of *Stenophylax permistus* McLachlan, 1895, *Athripsodes cinereus* (Curtis, 1834), *Mystacides azurea* (Linnaeus, 1761) and *Oecetis testacea* (Curtis, 1834). Significant records are indicated by arrows.