

## **AMENDMENTS AND CLARIFICATION OF SOME SITE DETAILS IN DISTRIBUTION RECORDS OF IRISH CHIRONOMIDAE (DIPTERA), PARTS 1 - 3**

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### **Abstract**

Site reference details are amended for 20 locations cited in “Distribution Records of Irish Chironomidae (Diptera)” published in Volumes 37, 38 and 39 of the *Bulletin of the Irish Biogeographical Society*. A list of the species of Chironomidae on record from each location is provided. Amendments are given for sites in Counties Clare, Cork, Dublin, Galway, Kerry, Kildare, Limerick, Mayo (Clare Island), Offaly, Roscommon, Tipperary, Tyrone and Wicklow in Hydrometric Areas 1, 9, 10, 15, 20, 22, 24, 25, 26.

**Key words:** Distribution records, corrections, grid references, Chironomidae, Ireland.

### **Introduction**

Since publication of distribution records of species of Chironomidae in Ireland (Murray *et al.*, 2013, 2014, 2015), from a database of over 22,000 records from collections at almost 1,500 sites maintained by the senior author, corrections of grid references for three sites were given in Murray *et al.* (2017). It has recently been brought to our attention that location details for some other sites were also inaccurate. These inaccuracies are addressed here. Amended grid references and an inventory of the species known to occur at 20 locations are provided.

### **Amendments**

In the following account, references made to records in the subfamilies Podonominae, Tanypodinae, Diamesinae and Prodiamesinae are from Murray *et al.* (2013). References to

records in the Subfamily Orthocladiinae are from Murray *et al.* (2014) while those in the subfamily Chironominae - Tribes Chironomini, Pseudochironomini and Tanytarsini are from Murray *et al.* (2015). Clarification or correction of location details are given for 20 sites in Counties Clare, Cork, Dublin, Galway, Kerry, Kildare, Limerick, Mayo (Clare Island), Offaly, Roscommon, Tipperary, Tyrone and Wicklow in Hydrometric Areas 1, 9, 10, 15, 20, 22, 24, 25 and 26. Amendments made to grid reference numbers are highlighted in **bold** text.

**Abbreviations used:** IGR - Irish Grid Reference; HA - Hydrometric Area.

### **CLARE, HA25: River Shannon (Lough Derg), Killaloe, IGR R705715**

The sub-zone prefix letter “M” was applied in error to the IGR number in Murray *et al.* (2013, 2014, 2015). The correct character prefix is “R” and the reference “M705715” is amended to read **R705715**. The following species are on record:

**Tanypodinae:** *Ablabesmyia* (*Ablabesmyia*) *longistyla* Fittkau, 1962, *Arctopelopia barbitarsis* (Zetterstedt, 1850), *Conchapelopia* (*Conchapelopia*) *hittmairorum* Michiels & Spies, 2002, *Macropelopia* (*Macropelopia*) *nebulosa* (Meigen, 1804), *Procladius* (*Holotanytus*) *choreus* (Meigen, 1804), *Procladius* (*H.*) *Pe3* sensu Langton & Visser, 2003.

**Diamesinae:** *Potthastia gaedii* (Meigen, 1838).

**Prodiamesinae:** *Prodiamesa olivacea* (Meigen, 1818).

**Orthocladiinae:** *Orthocladius* (*Orthocladius*) *oblidens* (Walker, 1856), *Orthocladius* (*Symposiocladius*) *holsatus* Goetghebuer, 1937, *Paracladius conversus* (Walker, 1856), *Parakiefferiella coronata* (Edwards, 1929), *Paratrissocladius excerptus* (Walker, 1856), *Psectrocladius* (*Allopectrocladius*) *obvius* (Walker, 1856), *Psectrocladius* (*Psectrocladius*) *sordidellus* (Zetterstedt, 1838), *Rheocricotopus* (*Rheocricotopus*) *fuscipes* (Kieffer, 1909), *Synorthocladius semivirens* (Kieffer, 1909), *Tvetenia verralli* (Edwards, 1929).

**Chironominae - Chironomini:** *Dicrotendipes pulsus* (Walker, 1856), *Parachironomus cinctellus* (Goetghebuer, 1921), *Parachironomus vitiosus* (Goetghebuer, 1921).

**Chironominae - Pseudochironomini:** *Pseudochironomus prasinatus* (Staeger, 1839).

**Chironominae - Tanytarsini:** *Cladotanytarsus atridorsum* Kieffer, 1924, *Micropsectra atrofasciata* (Kieffer, 1911), *Paratanytarsus bituberculatus* (Edwards, 1929), *Paratanytarsus inopertus* (Walker, 1856), *Paratanytarsus tenuis* (Meigen, 1830).

### **CORK, HA20: River Bandon, Ballineen Bridge IGR W344538**

The six-figure IGR number for Ballineen Bridge given as “W434538” in Murray *et al.* (2013, 2014, 2015) is amended to **W344538**. The following species are on record:

**Tanypodinae:** *Ablabesmyia* (*Ablabesmyia*) *longistyla* Fittkau, 1962, *Conchapelopia* (*Conchapelopia*) *pallidula* (Meigen, 1818), *Conchapelopia* (*C.*) *viator* (Kieffer, 1911),

*Macropelopia (Macropelopia) adauca* Kieffer, 1916, *Macropelopia (M.) nebulosa* (Meigen, 1804), *Rheopelopia maculipennis* (Zetterstedt, 1838), *Thienemannimyia (Thienemannimyia) pseudocarnea* Murray, 1976, *Trissopelopia longimana* (Staeger, 1839), *Zavrelimyia (Paramerina) divisa* (Walker, 1856).

**Prodiamesinae:** *Prodiamesa olivacea* (Meigen, 1818).

**Orthoclaadiinae:** *Brillia bifida* (Kieffer, 1909), *Brillia longifurca* Kieffer, 1921, *Cricotopus (Cricotopus) bicinctus* (Meigen, 1818), *Cricotopus (C.) curtus* Hirvenoja, 1973, *Cricotopus (C.) tremulus* (Linnaeus, 1758), *Cricotopus (C.) triannulatus* (Macquart, 1826), *Cricotopus (C.) trifascia* Edwards, 1929, *Cricotopus (C.) tristis* Hirvenoja, 1973, *Eukiefferiella claripennis* (Lundbeck, 1898), *Eukiefferiella clypeata* (Thienemann, 1919), *Eukiefferiella devonica* (Edwards, 1929), *Eukiefferiella dittmari* Lehmann, 1972, *Eukiefferiella ilkleyensis* (Edwards, 1929), *Heterotanytarsus apicalis* (Kieffer, 1921), *Heterotrissocladus marcidus* (Walker, 1856), *Nanocladius (Nanocladius) rectinervis* (Kieffer, 1911), *Orthocladus (Euorthocladus) ashei* Sponis, 1990, *Orthocladus (E.) rivulorum* Kieffer, 1909, *Orthocladus (Orthocladus) rubicundus* (Meigen, 1818), *Parametriocnemus stylatus* (Spärck, 1923), *Paratrissocladus excerptus* (Walker, 1856), *Rheocricotopus (Rheocricotopus) fuscipes* (Kieffer, 1909), *Synorthocladus semivirens* (Kieffer, 1909), *Tvetenia calvescens* (Edwards, 1929), *Tvetenia discoloripes* (Goetghebuer & Thienemann, 1936).

**Chironominae - Chironomini:** *Microtendipes rydalensis* (Edwards, 1929), *Xenochironomus xenolabis* (Kieffer, 1916).

**Chironominae - Tanytarsini:** *Rheotanytarsus pentapoda* (Kieffer, 1909).

## **CORK, HA20: River Bandon, Long Bridge, Dunmanway, IGR W241531**

The IGR number given for Long Bridge as “W242631” in Murray *et al.* (2013, 2014, 2015) is amended to W241531. The following species are on record:

**Tanypodinae:** *Ablabesmyia (Ablabesmyia) longistyla* Fittkau, 1962, *Ablabesmyia (A) monilis* (Linnaeus, 1758), *Conchapelopia (Conchapelopia) melanops* (Meigen, 1818), *Conchapelopia (C.) viator* (Kieffer, 1911), *Macropelopia (Macropelopia) nebulosa* (Meigen, 1804), *Nilotanypus dubius* (Meigen, 1804), *Rheopelopia maculipennis* (Zetterstedt, 1838), *Thienemannimyia (Thienemannimyia) pseudocarnea* Murray, 1976, *Trissopelopia longimana* (Staeger, 1839), *Zavrelimyia (Paramerina) divisa* (Walker, 1856).

**Prodiamesinae:** *Prodiamesa olivacea* (Meigen, 1818).

**Orthoclaadiinae:** *Brillia bifida* (Kieffer, 1909), *Brillia longifurca* Kieffer, 1921, *Cricotopus (Cricotopus) albiforceps* (Kieffer, 1916), *Cricotopus (C.) bicinctus* (Meigen, 1818), *Cricotopus (C.) similis* Goetghebuer, 1921, *Cricotopus (C.) trifascia* Edwards, 1929, *Cricotopus (Nostococladus) lygropis* Edwards, 1929, *Eukiefferiella claripennis* (Lundbeck, 1898),

*Eukiefferiella clypeata* (Thienemann, 1919), *Eukiefferiella devonica* (Edwards, 1929), *Eukiefferiella dittmari* Lehmann, 1972, *Eukiefferiella ilkleyensis* (Edwards, 1929), *Eurycnemus crassipes* (Meigen, 1810), *Heterotanytarsus apicalis* (Kieffer, 1921), *Heterotrissocladius marcidus* (Walker, 1856), *Nanocladius* (*Nanocladius*) *rectinervis* (Kieffer, 1911), *Orthocladius* (*Euorthocladius*) *ashei* Sopenis, 1990, *Orthocladius* (*E.*) *rivulorum* Kieffer, 1909, *Orthocladius* (*Orthocladius*) *rubicundus* (Meigen, 1818), *Parametriocnemus stylatus* (Spärck, 1923), *Psectrocladius* (*Psectrocladius*) *psilopterus* (Kieffer, 1906), *Rheocricotopus* (*Psilocricotopus*) *chalybeatus* (Edwards, 1929), *Rheocricotopus* (*Rheocricotopus*) *fuscipes* (Kieffer, 1909), *Synorthocladius semivirens* (Kieffer, 1909), *Tvetenia calvescens* (Edwards, 1929), *Tvetenia discoloripes* (Goetghebuer & Thienemann, 1936).

**Chironominae - Chironomini:** *Microtendipes rydalensis* (Edwards, 1929).

**Chironominae - Tanytarsini:** *Rheotanytarsus pellucidus* (Walker, 1848), *Rheotanytarsus pentapoda* (Kieffer, 1909).

#### **CORK, HA20: River Ovane, Pierson's Bridge, IGR W023544**

The six-figure grid reference number for Pierson's Bridge was erroneously cited as "W023454" in Murray *et al.* (2013, 2014, 2015) whereas the correct reference is W023544. The following species are on record:

**Tanypodinae:** *Ablabesmyia* (*Ablabesmyia*) *monilis* (Linnaeus, 1758), *Conchapelopia* (*Conchapelopia*) *viator* (Kieffer, 1911), *Rheopelopia eximia* (Edwards, 1929).

**Orthoclaudiinae:** *Cricotopus* (*Cricotopus*) *albiforceps* (Kieffer, 1916), *Cricotopus* (*C.*) *annulator* Goetghebuer, 1927, *Cricotopus* (*C.*) *bicinctus* (Meigen, 1818), *Cricotopus* (*C.*) *cylindraceus* (Kieffer, 1908), *Krenosmittia camptophleps* (Edwards, 1929), *Orthocladius* (*Orthocladius*) *rubicundus* (Meigen, 1818), *Parakiefferiella bathophila* (Kieffer, 1912), *Parametriocnemus stylatus* (Spärck, 1923), *Psectrocladius* (*Psectrocladius*) *psilopterus* (Kieffer, 1906), *Rheocricotopus* (*Psilocricotopus*) *chalybeatus* (Edwards, 1929), *Synorthocladius semivirens* (Kieffer, 1909), *Thienemanniella vittata* (Edwards, 1924).

**Chironominae - Chironomini:** *Demicryptochironomus* (*Demicryptochironomus*) *vulneratus* (Zetterstedt, 1838), *Microtendipes rydalensis* (Edwards, 1929), *Paracladopelma camptolabis* (Kieffer, 1913), *Phaenopsectra flavipes* (Meigen, 1818), *Phaenopsectra* sp. pe "Bala" ?*punctipes*? sensu Langton & Visser, 2003, *Polypedilum* (*Polypedilum*) *albicorne* (Meigen, 1838), *Polypedilum* (*P.*) *nubeculosum* (Meigen, 1804).

**Chironominae - Tanytarsini:** *Cladotanytarsus vanderwulpi* (Edwards, 1929), *Paratanytarsus inopertus* (Walker, 1856), *Rheotanytarsus pentapoda* (Kieffer, 1909), *Tanytarsus brundini* Lindeberg, 1963, *Tanytarsus eminulus* (Walker, 1856), *Tanytarsus heusdensis* Goetghebuer, 1923.

**DUBLIN, HA9: Woodview pond and temporary pool, UCD, IGR O185303**

The six-figure IGR number for this location, on the campus of University College Dublin, was given in error as “O185203” in Murray *et al.* (2014) and as “O186203” in Murray *et al.*, (2013, 2015). The amended grid reference is O185303. The following species are on record: **Tanypodinae:** *Apsectrotanypus trifascipennis* (Zetterstedt, 1838), *Psectrotanypus varius* (Fabricius, 1787).

**Orthoclaadiinae:** *Psectrocladius (Allopsectrocladius) obvius* (Walker, 1856), *Psectrocladius (Psectrocladius) limbatellus* (Holmgren, 1869).

**Chironominae - Chironomini:** *Chironomus (Chironomus) luridus* Strenzke, 1959, *Phaenopsectra flavipes* (Meigen, 1818).

**GALWAY, HA25: Lough Derg, Woodford, IGR R794964**

The sub-zone letter “M” was applied in error to the IGR number (instead of R) in Murray *et al.* (2013, 2014, 2015). The reference “M794964” should read R794964. The following species are listed:

**Tanypodinae:** *Ablabesmyia (Ablabesmyia) longistyla* Fittkau, 1962, *Apsectrotanypus trifascipennis* (Zetterstedt, 1838), *Conchapelopia (Conchapelopia) melanops* (Meigen, 1818), *Procladius (Holotanypus) sagittalis* (Kieffer, 1909), *Procladius (Psilotanypus) rufovittatus* (van der Wulp, 1874), *Tanypus (Tanypus) vilipennis* (Kieffer, 1918).

**Diamesinae:** *Potthastia gaedii* (Meigen, 1838).

**Orthoclaadiinae:** *Cricotopus (Cricotopus) annulator* Goetghebuer, 1927, *Cricotopus (C.) bicinctus* (Meigen, 1818), *Cricotopus (C.) festivellus* (Kieffer, 1906), *Cricotopus (Isocladus) intersectus* (Staeger, 1839), *Cricotopus (I.) obnixus* (Walker, 1856), *Cricotopus (I.) reversus* Hirvenoja, 1973, *Cricotopus (I.) sylvestris* (Fabricius, 1794), *Cricotopus (Paratrachocladus) rufiventris* (Meigen, 1830), *Orthocladus (Eudactylocladius) fuscimanus* (Kieffer, 1908), *Orthocladus (Orthocladus) glabripennis* (Goetghebuer, 1921), *Orthocladus (O.) oblidens* (Walker, 1856), *Orthocladus (O.) pedestris* Kieffer, 1909, *Orthocladus (O.) rubicundus* (Meigen, 1818), *Orthocladus (Pogonocladus) consobrinus* (Holmgren, 1869), *Psectrocladius (Allopsectrocladius) obvius* (Walker, 1856), *Psectrocladius (Psectrocladius) oxyura* Langton, 1985, *Psectrocladius (Psectrocladius) sordidellus* (Zetterstedt, 1838).

**Chironominae - Chironomini:** *Demicryptochironomus (Demicryptochironomus) vulneratus* (Zetterstedt, 1838), *Dicrotendipes nervosus* (Staeger, 1839), *Endochironomus tendens* (Fabricius, 1775), *Glyptotendipes (Glyptotendipes) cauliginellus* (Kieffer, 1913), *Glyptotendipes (G.) glaucus* (Meigen, 1818), *Kiefferulus (Kiefferulus) tendipediformis* (Goetghebuer, 1921), *Paratendipes albimanus* (Meigen, 1818), *Polypedilum (Polypedilum)*

*nubeculosum* (Meigen, 1804), *Polypedilum (Uresipedilum) convictum* (Walker, 1856), *Tribelos intextum* (Walker, 1856).

**Chironominae - Tanytarsini:** *Cladotanytarsus atridorsum* Kieffer, 1924, *Cladotanytarsus mancus* (Walker, 1856), *Micropsectra apposita* (Walker, 1856), *Paratanytarsus inopertus* (Walker, 1856), *Stempellina bausei* (Kieffer, 1911), *Tanytarsus bathophilus* Kieffer, 1911, *Tanytarsus brundini* Lindeberg, 1963, *Tanytarsus gregarius* Kieffer, 1909, *Tanytarsus mendax* Kieffer, 1925.

**KERRY, HA22: River Laune, Killorglin, IGR V787952**

The six-figure IGR number was erroneously cited as “V952787” in Murray *et al.* (2014) whereas the correct reference is **V787952** (the easting and northern coordinates were mistakenly transposed). One species is on record for this site:

**Orthoclaadiinae:** *Orthocladus (Euorthocladus) rivicola* Kieffer, 1911.

**KERRY, HA22: Lough Annascaul, Dingle Peninsula, IGR Q589052**

The six-figure IGR number as “Q589152” in Murray *et al.* (2015) is amended to **Q589052**. One species is on record for this site:

**Chironominae - Chironomini:** *Chironomus (Chironomus) anthracinus* Zetterstedt, 1860.

**KILDARE, HA9: River Rye, Leixlip, IGR N993370**

The six-figure IGR number given as “N933370” in Murray *et al.* (2014) is amended to **N993370**. Four species are on record:

**Orthoclaadiinae:** *Orthocladus (Euorthocladus) rivicola* Kieffer, 1911, *Orthocladus (Orthocladus) oblidens* (Walker, 1856), *Orthocladus (Pogonocladus) consobrinus* (Holmgren, 1869), *Thienemanniella vittata* (Edwards, 1924).

**LIMERICK, HA24: Lough Gur, Holycross, IGR R646403**

The six-figure IGR number was erroneously cited for six of the 17 species records for Lough Gur as “R646269” in Murray *et al.* (2014, 2015). The correct reference is **R646403** for these six species, collected as pupal exuviae along the south shore of Lough Gur:

**Orthoclaadiinae:** *Parakiefferiella bathophila* (Kieffer, 1912).

**Chironominae - Chironomini:** *Chironomus (Chironomus) tentans* Fabricius, 1805, *Glyptotendipes (Caulochironomus) scirpi* (Kieffer, 1915), *Glyptotendipes (Glyptotendipes) cauliginellus* (Kieffer, 1913), *Glyptotendipes (G.) pallens* (Meigen, 1804), *Parachironomus parilis* (Walker, 1856).

**MAYO, Clare Island: Lough Poirtin Fuinch, IGR L706857**

Records of 28 species are cited for Lough Poirtin Fuinch, Clare Island, in Murray *et al.* (2013, 2014, 2015). Unfortunately, the incorrect IGR L706285 instead of L706857 was mistakenly cited for one species of Chironominae in Murray *et al.* (2015):

**Chironominae - Chironomini:** *Dicrotendipes nervosus* (Staeger, 1839).

**OFFALY, HA25: Derryadd Lough, Ferbane, IGR N110240**

The six-figure IGR number cited as “N100240” in Murray *et al.* (2015) is amended to N110240. One species is on record:

**Chironominae - Chironomini:** *Chironomus (Chironomus) tentans* Fabricius, 1805.

**OFFALY, HA25: River Brosna, Cloghan, IGR N046209**

The sub-zone prefix letter “M” was applied instead of “N” for the IGR given as M046209 in Murray *et al.* (2013, 2014, 2015). The correct IGR for this site at Cloghan is N046209. The following species are listed:

**Diamesinae:** *Potthastia gaedii* (Meigen, 1838).

**Orthoclaadiinae:** *Brillia longifurca* Kieffer, 1921, *Cricotopus (Cricotopus) annulator* Goetghebuer, 1927, *Cricotopus (C.) bicinctus* (Meigen, 1818), *Cricotopus (C.) trifascia* Edwards, 1929, *Eukiefferiella dittmari* Lehmann, 1972, *Eukiefferiella ilkleyensis* (Edwards, 1929), *Orthocladus (Orthocladus) oblidens* (Walker, 1856), *Orthocladus (O.) rubicundus* (Meigen, 1818), *Parametriocnemus stylatus* (Spärck, 1923), *Rheocricotopus (Psilocricotopus) chalybeatus* (Edwards, 1929), *Tvetenia calvescens* (Edwards, 1929).

**Chironominae - Chironomini:** *Polypedilum (Uresipedilum) convictum* (Walker, 1856), *Polypedilum (U.) cultellatum* Goetghebuer, 1931.

**Chironominae - Tanytarsini:** *Tanytarsus brundini* Lindeberg, 1963, *Tanytarsus eminulus* (Walker, 1856).

**ROSCOMMON, HA26: River Suck, Athleague, IGR M825578**

The six-figure grid reference number was erroneously cited as “M825758” in Murray *et al.* (2013, 2014, 2015) whereas the correct reference is M825578. The following species are on record:

**Tanypodinae:** *Conchapelopia (Conchapelopia) viator* (Kieffer, 1911), *Nilotanytus dubius* (Meigen, 1804), *Thienemannimyia (Thienemannimyia) pseudocarnea* Murray, 1976.

**Orthoclaadiinae:** *Cricotopus (Cricotopus) annulator* Goetghebuer, 1927, *Cricotopus (C.) bicinctus* (Meigen, 1818), *Cricotopus (C.) triannulatus* (Macquart, 1826), *Cricotopus (C.) trifascia* Edwards, 1929, *Eukiefferiella claripennis* (Lundbeck, 1898), *Eukiefferiella ilkleyensis*

(Edwards, 1929), *Heleniella ornaticollis* (Edwards, 1929), *Nanocladius* (*Nanocladius*) *rectinervis* (Kieffer, 1911), *Orthocladius* (*Eudactylocladius*) *fuscimanus* (Kieffer, 1908), *Orthocladius* (*Orthocladius*) *oblidens* (Walker, 1856), *Orthocladius* (*O.*) *rubicundus* (Meigen, 1818), *Parakiefferiella bathophila* (Kieffer, 1912), *Parametriocnemus stylatus* (Spärck, 1923), *Paratrissocladius excerptus* (Walker, 1856), *Rheocricotopus* (*Psilocricotopus*) *chalybeatus* (Edwards, 1929), *Synorthocladius semivirens* (Kieffer, 1909), *Tvetenia calvescens* (Edwards, 1929), *Tvetenia verralli* (Edwards, 1929).

**Chironominae - Chironomini:** *Paratendipes nudisquama* (Edwards, 1929), *Polypedilum* (*Tripodura*) *pullum* (Zetterstedt, 1838), *Polypedilum* (*Uresipedilum*) *convictum* (Walker, 1856), *Xenochironomus xenolabis* (Kieffer, 1916).

**Chironominae - Tanytarsini:** *Micropsectra pallidula* (Meigen, 1830), *Rheotanytarsus pentapoda* (Kieffer, 1909), *Tanytarsus bathophilus* Kieffer, 1911, *Tanytarsus brundini* Lindeberg, 1963.

**TIPPERARY, HA15: River Nore, Bridge on N62, IGR S133816** (not “Nore Bridge”)

The IGR S133816 for this site on the River Nore, and used by Murray *et al.* (2013, 2014, 2015), was correctly given by Hayes (1991) for his collections on the upper reaches of the River Nore, at a bridge on road N62, south of Roscrea. However, Hayes (*loc. cit.*) incorrectly referred to this site as “Nore Bridge” rather than “Bridge over the River Nore” (The bridge generally called Nore Bridge is situated approximately 8km north-east of the present site at IGR S173856). The following species are on record:

**Diamesinae:** *Potthastia gaedii* (Meigen, 1838), *Potthastia longimanus* Kieffer, 1922.

**Prodiamesinae:** *Prodiamesa olivacea* (Meigen, 1818).

**Orthoclaadiinae:** *Brillia bifida* (Kieffer, 1909), *Cricotopus* (*Cricotopus*) *annulator* Goetghebuer, 1927, *Cricotopus* (*C.*) *bicinctus* (Meigen, 1818), *Eukiefferiella ilkleyensis* (Edwards, 1929), *Nanocladius* (*Nanocladius*) *rectinervis* (Kieffer, 1911), *Orthocladius* (*Orthocladius*) *oblidens* (Walker, 1856), *Tvetenia calvescens* (Edwards, 1929), *Tvetenia verralli* (Edwards, 1929).

**Chironominae - Chironomini:** *Paratendipes albimanus* (Meigen, 1818).

**Chironominae – Tanytarsini:** *Cladotanytarsus vanderwulpi* (Edwards, 1929), *Micropsectra apposita* (Walker, 1856), *Micropsectra atrofasciata* (Kieffer, 1911), *Micropsectra lindrothi* Goetghebuer, 1931, *Micropsectra pallidula* (Meigen, 1830), *Paratanytarsus inopertus* (Walker, 1856), *Stempellina bausei* (Kieffer, 1911), *Tanytarsus brundini* Lindeberg, 1963, *Tanytarsus ejuncidus* (Walker, 1856), *Tanytarsus heusdensis* Goetghebuer, 1923, *Tanytarsus lestagei* Goetghebuer, 1922, *Tanytarsus palettaris* Verneaux, 1969, *Tanytarsus pallidicornis* (Walker, 1856).



**TIPPERARY, HA25: Lough Derg, Dromineer, IGR N046209**

The sub-zone letter “N” was applied in error to the reference number instead of M in Murray *et al.* (2013, 2014, 2015). The reference “M046209” should read N046209. The following species are listed:

**Tanypodinae:** *Ablabesmyia (Ablabesmyia) monilis* (Linnaeus, 1758), *Procladius (Holotanypus) Pe3* sensu Langton & Visser, 2003, *Procladius (Psilotanypus) rufovittatus* (van der Wulp, 1874).

**Diamesinae:** *Potthastia gaedii* (Meigen, 1838).

**Orthoclaadiinae:** *Orthocladus (Eudactylocladius) fuscimanus* (Kieffer, 1908), *Synorthocladus semivirens* (Kieffer, 1909).

**Chironominae - Chironomini:** *Cryptochironomus supplicans* (Meigen, 1830), *Glyptotendipes (Glyptotendipes) cauliginellus* (Kieffer, 1913), *Polypedilum (Polypedilum) nubeculosum* (Meigen, 1804).

**Chironominae – Pseudochironomini:** *Pseudochironomus prasinatus* (Staeger, 1839).

**Chironominae - Tanytarsini:** *Cladotanytarsus atridorsum* Kieffer, 1924.

**TYRONE, HA1: Dennet Stream, Essbeg Bridge, Strabane, IGR H509978**

This site, on the Dennet Stream (otherwise Burn Dennet) at Essbeg Bridge, was inadvertently assigned the incorrect IGR H384306 and incorrectly cited as being situated in the district of “Lisnaskee” (misspelling of Lisnaskea) in Murray *et al.* (2013, 2014, 2015). The amended description for this site is “Dennet Stream, Essbeg Bridge, Ballynamallaght, Strabane at IGR H509978. The IGR H384306 refers to a site on an unnamed stream near Lisnaskea, in HA36, County Fermanagh. The following species are on record at Essbeg Bridge:

**Tanypodinae:** *Conchapelopia (Conchapelopia) pallidula* (Meigen, 1818), *Trissopelopia longimana* (Staeger, 1839).

**Diamesinae:** *Diamesa tonsa* (Haliday, 1856), *Potthastia gaedii* (Meigen, 1838).

**Orthoclaadiinae:** *Cricotopus (Cricotopus) annulator* Goetghebuer, 1927, *Cricotopus (C.) bicinctus* (Meigen, 1818), *Cricotopus (C.) curtus* Hirvenoja, 1973, *Cricotopus (C.) similis* Goetghebuer, 1921, *Cricotopus (C.) tremulus* (Linnaeus, 1758), *Cricotopus (Paratrachocladus) rufiventris* (Meigen, 1830), *Cricotopus (P.) skirwithensis* (Edwards, 1929), *Eukiefferiella coerulescens* (Kieffer, 1926), *Orthocladus (Eudactylocladius) fuscimanus* (Kieffer, 1908), *Orthocladus (Orthocladus) rubicundus* (Meigen, 1818), *Rheocricotopus (Rheocricotopus) fuscipes* (Kieffer, 1909), *Tvetenia calvescens* (Edwards, 1929), *Tvetenia verralli* (Edwards, 1929).

**Chironominae - Chironomini:** *Polypedilum (Polypedilum) albicorne* (Meigen, 1838).

**Chironominae - Tanytarsini:** *Micropsectra lindrothi* Goetghebuer, 1931, *Micropsectra pallidula* (Meigen, 1830), *Rheotanytarsus pentapoda* (Kieffer, 1909).

**WICKLOW, HA9: River Liffey, Ballysmuttan, IGR O057148**

The six-figure IGR number cited as “O154148” in Murray *et al.* (2014) for collections by C. F. Humphries in 1929 from the River Liffey at Ballysmuttan (Humphries and Frost, 1937) is amended to O057148. The following seven species are on record for this site:

**Orthoclaadiinae:** *Eukiefferiella claripennis* (Lundbeck, 1898), *Eukiefferiella ilkleyensis* (Edwards, 1929), *Orthocladus (Euorthocladus) rivulorum* Kieffer, 1909, *Orthocladus (E.) thienemanni* Kieffer, 1906, *Orthocladus (Orthocladus) rubicundus* (Meigen, 1818), *Rheocricotopus (Rheocricotopus) fuscipes* (Kieffer, 1909), *Synorthocladus semivirens* (Kieffer, 1909).

**WICKLOW, HA10: Lough Tay, IGR O163080**

The six-figure IGR number cited as “O163008” in Murray *et al.* (2013, 2014, 2015) is amended to O163080. The following species are on record for this site:

**Podonominae:** *Parochlus kiefferi* (Garrett, 1925).

**Tanypodinae:** *Ablabesmyia (Ablabesmyia) longistyla* Fittkau, 1962, *Ablabesmyia (A.) monilis* (Linnaeus, 1758), *Procladius (Holotanypus) choreus* (Meigen, 1804).

**Orthoclaadiinae:** *Eukiefferiella dittmari* Lehmann, 1972, *Heterotanytarsus apicalis* (Kieffer, 1921), *Heterotrissocladus grimshawi* (Edwards, 1929), *Nanocladus (Nanocladus) balticus* (Palmén, 1959), *Nanocladus (N.) dichromus* (Kieffer, 1906), *Parakiefferiella bathophila* (Kieffer, 1912), *Synorthocladus semivirens* (Kieffer, 1909).

**Chironominae - Chironomini:** *Parachironomus* sp pe3 sensu Langton & Visser 2003, *Phaenopsectra flavipes* (Meigen, 1818), *Stictochironomus sticticus* (Fabricius, 1781).

**Chironominae - Tanytarsini:** *Neozavrelia cuneipennis* (Edwards 1929), *Stempellina bausei* (Kieffer, 1911).

**WICKLOW, HA10: Greystones, intertidal rock pool, IGR O297127**

The IGR six-figure grid reference cited as “O217127” in Murray *et al.* (2014) is amended to O297127. One species is on record here:

**Orthoclaadiinae:** *Clunio marinus* Haliday, 1855.

**Acknowledgement**

The authors are grateful to Damian McFarran, coordinator of the Recorder 6 database for Northern Ireland, for drawing attention to some errors in site location reference details.

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