
MIDGES

ADDITIONS AND CORRECTIONS TO THE LIST OF NON-BITING MIDGES IN SASKATCHEWAN

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Since publication of the list of chironomids known to occur in Saskatchewan in "An amateur naturalist's guide to non-biting midges in Saskatchewan"¹, 69 additional species have been found to occur in the province (Table 1).^{2,3,4,5} This brings the total number of species to 190. Several names have been synonymized (i.e., the names were used for species thought to be new but found to be previously described). Also, a number of typographical errors appeared in the original list during typesetting and are corrected here (Table 2).

The total number of named species now stands at 169. Twenty-one additional species have not yet been assigned a name. Many of the species listed for North America have distributions in Alberta and Manitoba, and it is probable that they also occur in Saskatchewan but have yet to be discovered.⁴ The 190 species make chironomids the most diverse aquatic insect group in Saskatche-

wan. They also represent about 10% of the 2,000 species thought to occur in North America (the Nearctic) and about 4% of the estimated 5,000 species worldwide.⁴

1. MASON, P.G., D.W. PARKER and P. MORRILL. 1991. An amateur naturalist's guide to non-biting midges in Saskatchewan. *Blue Jay* 49:174-182.
2. DOSDALL, L.M. and P.G. MASON. 1981. A chironomid (*Nanocladius* (*Plecopteracoluthus*) *branchicolus*: Diptera) phoretic on a stonefly (*Acronuria lycorias*: Plecoptera) in Saskatchewan. *Can. Ent.* 113:141-147.
3. MASON, P.G. 1986. The larvae and pupae of *Stictochironomus marmoratus* and *S. quagga* (Diptera: Chironomidae). *Can. Ent.* 117:43-48.
4. OLIVER, D.R., M.E. DILLON and P.S. CRANSTON. 1990. A catalogue of Nearctic Chironomidae. *Ag. Can. Publ.* 1857/B. 89 pp.
5. PARKER, D.W. 1992. Emergence phenologies and patterns of aquatic insects inhabiting a prairie pond. Ph.D. thesis, Department of Biology, University of Saskatchewan. 173 pp.



Maximum butterfly longevity: Cabbage Butterfly: 3 days for female/17 for male; tiger Swallowtail, 3/12; Spring Azure, 4/2; Orange Sulphur, 14/25; Vice-roy, -/17; Great Spangled Fritillary, -/22. *Paul Opler and George Krizek, Butterflies East of the Great Plains.*

Table. 1. ADDITIONS TO THE CHIRONOMIDAE KNOWN TO OCCUR IN SASKATCHEWAN.

Podonominae

Boreochlini

- Boreochlus persimilis* (Johannsen)*
- Lasiodiamesa rawsoni* Brundin*

Podonomini

- Parochlus kiefferi* (Garrett)*

Tanypodinae

Coelotanypodini

- Clinotanypus* (*Clinotanypus*) sp.

Macropelopiini

- Apsectrotanypus johnsoni* (Coquillett)*
- Macropelopia decedens* (Walker)*

Pentaneurini

- Ablabesmyia* (*Ablabesmyia*) *aspera* (Roback)*
- Ablabesmyia* (*Asayia*) *annulata* (Say)*
- Conchapelopia fasciata* Beck & Beck*
- Conchapelopia pallens* (Coquillett)*
- Guttipelopia rosenbergi* Bilyj
- Helopelopia cornuticaudata* (Walley)*
- Labrundinia pilosella* (Loew)*
- Larsia canadensis* Bilyj*
- Meropelopia flavifrons* (Johannsen)*
- Paramerina fragilis* (Walley)*
- Zavreliomyia sinuosa* (Coquillett)*

Procladiini

- Procladius* (*Holotanypus*) *culiciformis* (L.)*
- Procladius* (*Holotanypus*) *dentus* Roback*
- Procladius* (*Holotanypus*) *uris* Roback*

Prodiamesinae

- Monodiamesa* sp.

Orthocladiinae

- Acricotopus lucens* (Zetterstedt)
- Brillia flavifrons* (Johannsen)*
- Corynoneura scutellata* Winnertz*
- Cricotopus* (*Cricotopus*) *cylindraceus* (Kieffer & Thiennemann)
- Cricotopus* (*Cricotopus*) *flavocinctus* (Kieffer)
- Cricotopus* (*Cricotopus*) *tremulus* (L.)*
- Cricotopus* (*Isocladius*) *pilitarsus* (Zetterstedt)*
- Cricotopus brunnicans* (Walley)*
- Heterotrissocladius changi* Saether*
- Heterotrissocladius oliveri* Saether*
- Mesosmittia acutistylus* Saether
- Nanocladius* (*Nanocladius*) *distinctus* (Malloch)*
- Nanocladius* (*Plecopteracoluthus*) *branchicolus* Saether
- Orthocladius* (*Euorthocladius*) *rivulorum* Kieffer*
- Orthocladius* (*Orthocladius*) *smolandicus* Brundin
- Orthocladius* (*Symposiocladius*) *lignicola* Kieffer
- Parakiefferiella subaterrima* (Malloch)*
- Parametrioconemus lundbeckii* (Johannsen)*
- Psectrocladius* (*Psectrocladius*) *barbimanus* (Edwards)*

Chironominae

Chironomini

- Beckidia tethys* (Townes)
- Chironomus* (*Camptochironomus*) *pallidivittatus* Malloch*
- Chironomus* (*Chironomus*) *hyperboreus* Staeger*
- Chironomus* (*Chironomus*) *utahensis* Malloch*
- Cryptochironomus blarina* Townes*
- Dicrotendipes lucifer* (Johannsen)*
- Dicrotendipes tritonus* (Kieffer)*
- Endochironomus subtendens* (Townes)*
- Glyptotendipes amplus* Townes*
- Glyptotendipes dreisbachi* Townes*
- Glyptotendipes unacus* Townes*
- Kiefferulus* (*Kiefferulus*) *dux* (Johannsen)*
- Pagastiella ostansa* (Webb)*
- Parachironomus forceps* (Townes)
- Parachironomus monochromus* (Wulp)*
- Parachironomus varus* (Goetghebuer)
- Phaenopsectra punctipes* (Wiederholm)*
- Polypedilum* (*Polypedilum*) *nubeculosum* (Meigen)*
- Sergentia* (*Sergentia*) *coracina* (Zetterstedt)*
- Stictochironomus marmoreus* (Townes)
- Stictochironomus quagga* (Townes)
- Stictochironomus rosenschoeldi* (Zetterstedt)*

Pseudochironomini

- Pseudochironomus middlekauffi* Townes

Tanytarsini

- Micropsectra connexa* (Kieffer)*
- Paratanytarsus kaszabi* group
- Paratanytarsus tenuis* group
- Stempellinella* sp.
- Tanytarsus buckleyi* Sublette
- Tanytarsus* cf. *mendax* (Kieffer)

* from Oliver *et al.* (1990)⁴



Fungus

Blake Maybank

Table 2. CORRECTIONS TO THE CHIRONOMIDAE KNOWN TO OCCUR IN SASKATCHEWAN.

Tanypodinae

Macropelopiini

Derotanypus alaskensis (Malloch) was incorrectly assigned to Pentaneurini

Psectrotanypus dyari (Coquillett) was incorrectly assigned to Procladiini

Pentaneurini

Ablabesmyia (Karelia) illinoense (Malloch) should read *Ablabesmyia (Karelia) illinoensis* (Malloch)

Procladiini

Procladius (Procladius) denticulatus Sublette should read *Procladius (Halocladius) denticulatus* Sublette

Procladius (Procladius) freemani Sublette should read *Procladius (Halocladius) freemani* Sublette

Diamesinae

Diamesini

Diamesa cineralla Meigen should read *Diamesa cf. cinerella* Meigen

Orthocladiinae

Acricotopus senex (Johannsen) is now a junior synonym of *Acricotopus nitidellus* (Malloch)

Cricotopus (Cricotopus) bicinctus (Meigen) should read *Cricotopus (Cricotopus) bicinctus* (Meigen)

Cricotopus (Cricotopus) curtus Jirvenjo should read *Cricotopus (Cricotopus) curtus* Hirvenoja

Cricotopus (Isocladius) intersectus (Staeger) should read *Cricotopus (Isocladius) intersectus* (Staeger)

Cricotopus (Isocladius) ornatus (Meigen) should read *Cricotopus (Isocladius) ornatus* (Meigen)

Cricotopus (Isocladius) sylvestris (Fabricius) should read *Cricotopus (Isocladius) sylvestris* (Fabricius)

Nanocladius (Nanocladius) crassicornis Saether should read *Nanocladius (Nanocladius) crassicornis* Saether

Orthocladius (Orthocladius) obrumbatus Johannsen should read *Orthocladius (Orthocladius) obumbatus* Johannsen

Parakiefferiella (Parakiefferiella) tortulata Saether is now a junior synonym of *Parakiefferiella (Parakiefferiella) subaterrima* (Malloch)

Psectrocladius (Allosectrocladius) flavus (Johannsen) should read *Psectrocladius (Allopsectrocladius) flavus* (Johannsen)

Psectrocladius (Psectrocaldius) flavus (Johannsen) should read *Psectrocladius (Psectrocladius) flavus* (Johannsen)

Chironominae

Chironomini

Cladopelma viridulus (Linnaeus) should read *Cladopelma viridula* (Linnaeus)

Cryptochironomus stylifera Johannsen is now a junior synonym of *Cryptochironomus psittacinus* Meigen

Cryptotendipes casuaris (Townes) should read *Cryptotendipes casuarius* (Townes)

Polypedilum (Polypedilum) obtusum Townes is now a junior synonym of *Polypedilum (Polypedilum) convictum* (Walker)

Polypedilum (Tripodura) digitifer Townes is now a junior synonym of *Polypedilum (Tripodura) halterale* (Coquillett)

Stenochironomus hilarus (Walker) should read *Stenochironomus hilaris* (Walker)

Xenochironomus (Anceus) scopulus Townes is now known as *Axarius scopula* (Townes)

Tanytarsini

Micropsectra polits (Malloch) should read *Micropsectra polita* (Malloch)

Paratanytarsus confusus Palmén is now a junior synonym of *Paratanytarsus dissimilis* (Johannsen)