

Checklist of New Zealand CHIRONOMIDAE (DIPTERA)

Prepared by Ian Boothroyd and Don Forsyth

Ablabesmyia mala (Hutton, 1902) **E FWL**

'*Anatopynia*' *boninensis* Tokunaga, 1964 **E FW**

'*Anatopynia*' *elongata* Tokunaga, 1964 **E FW**

'*Anatopynia*' *pennipes* Freeman, 1959 **16 E FW**

?*Apsectrotanypus cana* (Freeman, 1959) **E FW**

?*Apsectrotanypus quadricincta* (Freeman, 1959) **E FW**

Austrocladius harrisi (Freeman, 1959) **E FW**

Austrocladius n. sp. **E FW**

Camptocladius stercorarius (De Geer, 1776) **D FW**

Chironomus antipodensis Sublette & Wirth, 1980 **E FW**

Chironomus analis Freeman, 1959 **E FW**

Chironomus subantarticus Sublette & Wirth 1980 **E FW**

Chironomus zealandicus Hudson, 1892 **E FW**

Chironomus n. sp. Winterbourn & Gregson 1989 **E F & SW**

Chironomus n. spp. (4) **E FW** Forsyth

Cladopelma curtivalva (Kieffer, 1917) **FW**

?*Clunio* *E SW* Tortell 1981

Corynocera n. sp. **E FWL** Boothroyd

?*Corynoneura scutellata* Winnertz, 1846 **A Gr D**

Cricotopus aucklandicus Sublette & Wirth, 1980 **E FW**

Cricotopus cingulatus (Hutton, 1902) **E FW**

Cricotopus planus Boothroyd, 1990 **E FW**

Cricotopus vincenti Boothroyd, 1990 **E FW**

Cricotopus zealandicus Freeman, 1959 **E FW**

Cricotopus n. sp. **E FW** Boothroyd

Cryptochironomus n. sp. Winterbourn & Gregson 1989 **E FW**

Eukiefferiella brundini Boothroyd & Cranston, 1994 **E FW**

?*Eukiefferiella commensalis* (Tonnoir, 1923) **E FW**

Eukiefferiella heveli Sublette & Wirth, 1980 **E FW**

Eukiefferiella n. spp. (2) **E FW** submitted for description

Gressittius antarcticus (Hudson, 1892) **E FW**

Gressittius umbrosus Freeman, 1959 **E FW**

Gymnometriocnemis lobifer (Freeman, 1959) **E FW**

Gynnidocladus pilulus Sublette & Wirth, 1980 **E FW**

Harrisius pallidus Freeman, 1959 **E Fo FWWo**

Hevelius carinatus Sublette & Wirth, 1980 **E FW**

Kaniwhaniwhanus chapmani Boothroyd 1999 **E FW**

Kiefferulus opalensis Forsyth, 1975 **E WoS FW**

Kuschelius dentifer Sublette & Wirth, 1980 **E FW**

Limnophyes vestitus (Skuse, 1889) **A FW**

*Lobodiamesa*¹⁶ *campbelli* Pagast, 1947 **E Sa FW**

Lobodiamesa n. sp. **E Sa FW** Boothroyd

Macropelopia apicineta (Freeman, 1959) **E FW**

Macropelopia apicinella (Freeman, 1959) **E FW**

Macropelopia flavipes Freeman, 1959 **E FW**

Macropelopia quinquepunctata (Freeman, 1959) **f0E FW**

Maoridiamesa glacialis Brundin, 1966 **E Sa FW**

Maoridiamesa harrisi Pagast, 1947 **E Sa FW**

Maoridiamesa insularis Brundin, 1966 **E Sa FW**

Maoridiamesa intermedia Brundin, 1966 **E Sa FW**

Maoridiamesa stouti Brundin, 1966 **E Sa FW**

Maryella reducta Sublette & Wirth, 1980 **E FW**

Mecaorus elongatus Sublette & Wirth, 1980 **E FW**

?*Microtendipes* n. sp. Winterbourn & Gregson 1989 **E FWL**

Nakataia cisdentifer Sublette & Wirth, 1980 **E FW**

Naonella forsythi Boothroyd, 1994 **E FW**

Nesiocladius gressitti Sublette & Wirth, 1980 **E FW**

Ophryophorus ramiferus Freeman, 1959 **E FW**

Orthocladius pictipennis Freeman, 1959 **E FW**

'*Orthocladius*' *publicus* Hutton, 1902 **E FW**

Parachironomus cylindricus (Freeman, 1959) **E FW**

Paratanytarsus grimmii (Schneider, 1885) **A FW**

Paratrichocladius pluriserialis (Freeman, 1959) **I FW**

Parochlus aotearoae Brundin, 1966 **E Sa FW**

Parochlus brevis Sublette & Wirth, 1980 **E Sa FW**

Parochlus carinatus Brundin, 1966 **E Sa FW**

Parochlus conjugens fs16 Brundin, 1966 **E Sa FW**

Parochlus glacialis Brundin, 1966 **E Sa FW**

Parochlus gressitti Sublette & Wirth, 1980 **E Sa FW**

Parochlus longicornis Brundin, 1966 **E Sa FW**

Parochlus maorii Brundin, 1966 **E Sa FW**

Parochlus novaezelandiae Brundin, 1966 **E Sa FW**

Parochlus ohakunensis (Freeman, 1959) **E Sa FW**

Parochlus pauperatus (Freeman, 1959) **E Sa FW**

Parochlus reductus Sublette & Wirth, 1980 **E Sa FW**

Parochlus rennelli Sublette & Wirth, 1980 **E Sa FW**

Parochlus spinosus Brundin, 1966 **s16 E Sa FW**

Paucispinigera approximata Freeman, 1959 **E Fo FW**

Paucispinigera n. sp. **E FW Stark**

Pirara matakiri Boothroyd & Cranston, 1994 **E FW**

Podochlus cockaynei Brundin, 1966 **E Sa FW**

Podochlus grandis Brundin, 1966 **E Sa FW**

Podochlus knoxi Brundin, 1966 **E Sa FW**

Podochlus stouti Brundin, 1966 **E Sa FW**

Podonomus parochloides Brundin, 1966 **E Sa FW**

Podonomus pygmaeus Brundin, 1966 **E Sa FW**

Podonomus waikukupae Brundin, 1966 **E Sa FW**

Podonomus n. spp. (4) **E Sa FW** Brundin, 1966

Polypedilum alternans Forsyth, 1971 **E FW**

Polypedilum canum Freeman, 1959 **E FW**

Polypedilum cumberi Freeman, 1959 **E FW**

Polypedilum digitulum Freeman, 1959 **E FW**

Polypedilum harrisi Freeman, 1959 **E FW**

- Polypedilum lentum* (Hutton, 1902) **EFW**
- Polypedilum longicrus* Kieffer, 1921 **A FW**
- Polypedilum luteum* Forsyth, 1971 **E FW**
- Polypedilum opimum* (Hutton, 1902) **E FW**
- Polypedilum pavidum* (Hutton, 1902) **E FW**
- Polypedilum* n. sp. **E FW** Boothroyd
- Pterosis wisei* Sublette & Wirth, 1980 **E FW**
- Riethia zeylandica* Freeman, 1959 **FW**
- Semiocladus kuscheli* Sublette & Wirth, 1980 **E**
- Semiocladus reinga* Leader, 1975 **E B SW ?MoP**
- Semiocladus whangaroa* Leader, 1975 **E SW ?MoP**
- Semiocladus* n. sp. **E** Boothroyd
- Smittia verna* (Hutton, 1902) **E Gr ?S or LF**
- Stictocladus lacuniferus* (Freeman, 1959) **E FW**
- Stictocladus pictus* (Freeman, 1959) **E FW**
- '*Tanypus*' *debilis* (Hutton, 1902) **E FW**
- '*Tanypus*' *languidus* Hutton, 1902 **E FW**
- Tanytarsus albanyensis* Forsyth, 1971 **E FW**
- Tanytarsus funebris* Freeman, 1959 **E FW**
- Tanytarsus vespertinus* Hutton, 1902 **E FW**
- Tanytarsus* n. sp. Winterbourn *et al.* 2000 **E Hs FW**
- Tanytarsus* n. sp. **E FW** Boothroyd
- Telmatogeton antipodensis* 16 Sublette & Wirth, 1980 **E B SW**
- Telmatogeton mortoni* Leader, 1975 **E B ?FW**

Thienimanniella new sp. **E** Boothroyd

Xenochironomus canterburyensis Freeman, 1959 **E FW MoP**

Zavreliomyia *harrisi* (Freeman, 1959) **E FW**

Zelandochlus *latipalpis* 6 Brundin, 1966 **E GLSa FWGI**

Undescribed genera (10) & n. spp. (10) **E FW** Boothroyd

KEY:

WATER most insects have been classified into feeding strategies **FW** = fresh water **FWff** or **FWF** = fresh water filter feeder **FWG** = fresh water grazer (usually alga) **FWH** = fresh water plant herbivore **FWO** = Freshwater omnivore **FWSc** = Freshwater scavenger **FWSh** = Freshwater shredder (usually of dead leaves) **FWWo** = Fresh water wood feeder **SW** = salt, saline to brackish tidal water.

HABITAT codes applied to flies are **B** = beach or rocky shore **Ca** = carrion **Cr** = crops, cereals, vegetables, brassicas, legumes **Cv** = cave **D** = dung **Fo** = forest **Ga** = garden **Gl** = Glacier and its melt water **Gr** = grassland & tussockland **Hs** = Hot spring **N** = nest **Nb** = Nest of bird **Nm** = nest of mammal **Ns** = nest of social insect (bee, wasp, ant) **O** = orchards **Sa** = subalpine, mountain stream or subantarctic islands **Se** = sewerage **Sh** = shrubland **St** = stored product pest **S** = soil **W** = wetland-rush, sedge, raupo, flax marsh to swamp.

FEEDING codes **AF** = algal feeder **BF** = blood feeder on mammals and birds **FF** = fungal feeder **Herbivore H** = vascular seeded plants **HF** = herbivore flower specialist **HG** = herbivore gall **HL** = herbivore leaf including seedlings **HLM** = Herbivore leaf mine **HR** = herbivore roots **HS** = herbivore seed or fruit **LF** = litter, compost or decaying vegetation feeder **L/FF** = litter or fungal feeder **Sc** = scavenger

PARASITES or **PARASITOID** codes **BP** = Bird parasite or commensal **EP** = earthworm parasitoid **IP** = insect parasite **LP** = livestock parasite **MoP** = Mollusc parasite **SP** = spider parasitoid

PREDATOR codes **IPr** = insect predator **MiPr** = mite predator **MoPr** = mollusc predator

Collections and identification NZAC, LCNZ = In New Zealand Arthropod Collection or Lincoln University Collections. er 1 = unsubstantiated by specimens in NZAC ? ² = Species not recognized

Taxonomic alterations and notes ^{NS} = new synonym ^â = new combination

auct = of authors for an undescribed genus 'genus' = authors of this checklist uncertain on which genus it should be placed and not included in totals for genus. The use of auct designates an undescribed new genus, that is currently aligned to an overseas genus.

'around a genus' name signifies an old description, which is not accurate enough to place the species in the correct modern genus without the type being checked by a competent authority.

Conservation of species I^C = indeterminate on the endangered species list.

Generic zoogeography Underlined genus name = New Zealand endemic

Presence in New Zealand: ? before genus = genus identification uncertain, ? before species = species identification uncertain, ? after species = doubt about establishment or presence in New Zealand * = new record for New Zealand