

Empidoidea (Diptera) from Finnmark, northern Norway

TERJE JONASSEN, TROND ANDERSEN & GUNNAR MIKALSEN KVIFTE

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Records of 215 species of Empidoidea from Finnmark, northern Norway, are presented based partly on material collected in 2010 during a survey of freshwater insects and insects inhabiting humid habitats in the region, partly on older material. Of these, one species belongs to Brachystomatidae, 88 to Empididae, 67 to Hybotidae and 59 species to Dolichopodidae. Eight species are recorded for the first time from Norway, namely *Rhamphomyia (Megacyttarus) paradoxa* Wahlberg, 1844; *R. (Pararhamphomyia) breviventris* Frey, 1913 (Empididae); *Bicellaria uvens* Melander, 1928; *Oedalea freyi* Chvála, 1983; *Platypalpus sordidus* (Zetterstedt, 1838) (Hybotidae); *Campsicnemus articulatus* (Zetterstedt, 1843); *Hydrophorus geminus* Frey, 1915; *Rhaphium holmgreni* (Mik, 1878); and *R. tridactylum* (Frey, 1915) (Dolichopodidae). A checklist of the 225 species of Empidoidea so far known to occur in Finnmark is provided.

Key words: Diptera, Empidoidea, Brachystomatidae, Dolichopodidae, Empididae, Hybotidae, new records, Finnmark, Norway.

Terje Jonassen, Eik, NO-4170 Sjernerøy, Norway. E-mail: terjonas@start.no

Trond Andersen & Gunnar Mikalsen Kvifte, Department of Natural History, University Museum of Bergen, University of Bergen, P.O. Box 7800, NO-5020 Bergen, Norway.
E-mails: trond.andersen@um.uib.no, gunnar.kvifte@um.uib.no

Introduction

The dipteran superfamily Empidoidea includes the families Hybotidae, Empididae, Atelestidae, Brachystomatidae and Dolichopodidae, all of which occur in Fennoscandia. As evidenced from both morphological and molecular data, these families form a monophyletic group within the Brachycera (Sinclair & Cumming 2006; Moulton & Wiegmann 2007).

Historically, the empidoidean fauna of Finnmark has been poorly studied. Zetterstedt (1838) recorded 19 species from the region. Siebke (1877) later referred to these records. Chvála (1975, 1983, 1994, 2005) recorded 45 species of the families Hybotidae and Empididae from Finnmark and Jonassen (1988, 1998, 2009)

added records of a few more species. Jonassen (1996a, b) listed 5 species of aquatic Empididae and 10 species of aquatic Dolichopodidae from Finnmark, but without giving exact locality information. Several records of Hybotidae from Finnmark are also displayed on Artskart (2013).

Below new records of 215 species of Empidoidea from Finnmark are presented, of which one species belongs to Brachystomatidae, 88 to Empididae, 67 to Hybotidae and 59 species to Dolichopodidae, thus increasing the number of species known from the region considerably. In the material, five species appear to be new to science and will be described elsewhere. Most of the material was collected in 2010 during the project "Insects inhabiting freshwater and humid habitats in Finnmark, northern Norway" (Ekrem *et al.*

2012), but some older material is also included. A checklist of the 225 species of Empidoidea so far known to occur in Finnmark is compiled, listing one species of Brachystomatidae, 95 species of Empididae, 69 species of Hybotidae and 60 species of Dolichopodidae.

Material and methods

The main part of the material was collected in 2010 during an extensive inventory of freshwater insects and insects inhabiting humid habitats in Finnmark, funded by the Norwegian Taxonomy Initiative. More than 100 localities were visited and Ekrem *et al.* (2012) describe the project in detail. However, Empidoidea were not among the main target groups of the project and were consequently collected only at 10 localities:

FinLoc05 – **FV**, Alta: Gargia Fjellstue (Malaise trap 1), N69.80525° E23.48937°, 120m a.s.l. Fast running stream with stony bed, in forested area with pine (*Pinus sylvestris*), birch (*Betula pubescens*), willow (*Salix* spp.) and alder (*Alnus incana*).

FinLoc08 – **FV**, Alta: Storeng (Malaise trap 2), N69.82277° E23.47884°, 90m a.s.l. Lake-like section of the Gargia River, with sandy bed, broad vegetation zone with sedges (*Carex* spp.) and nearby woodland with birch, alder and willow.

FinLoc19 – **FI**, Kautokeino: Lahpoluoppal (Malaise trap 3), N69.20992° E23.757661°, 320m a.s.l. Lake-like section of the Náhpoljohka River, with soft bottom and dominance of reeds, sedges and willows. Situated in a landscape with a mosaic of lakes, streams and rivers.

FinLoc21 – **FI**, Kautokeino: Náhpoljohka (Malaise trap 4), N69.21029° E23.76200°, 320 m a.s.l. Fast running section of the Náhpoljohka River, with stony bed and bank zone with stones, gravel and sand and patches of vegetation dominated by grass, sedges and willow.

FinLoc32 – **FN**, Lebesby: Lake near Njallavarri, N70.45214° E27.01012°, 62m a.s.l. Outlet of lake with a mosaic of bog and bank vegetation.

FinLoc42 – **FN**, Porsanger: Baukop (Malaise trap 6), N70.20469° E24.90605°, 26m a.s.l. Small

stream running from Vuolit Gealbbotjavri in birch - willow woodland, surrounded by grassland.

FinLoc56 – **FN**, Porsanger: Rørkulpen (Malaise trap 5), N70.15215° E24.76686°, 28m a.s.l. Moderately fast-flowing river, about 10m wide, with stony bed, bank with willow and alder. Situated in natural pine forest in the Stabbursdalen National Park.

FinLoc65 – **FØ**, Sør-Varanger: Russevang (Malaise trap 7), N69.44497° E29.89904°, 60m a.s.l. Lake, about 4 hectares, maximum depth 50m, with soft bottom, bank with mosaic of pine forest and blanket bog.

FinLoc81 – **FØ**, Sør-Varanger: Sametijohka near Sameti (Malaise trap 8), N69.40106° E29.71923°, 43m a.s.l. Rather fast-flowing stream with stony bed, in wooded area dominated by birch.

FinLoc85 – **FØ**, Sør-Varanger: Svanhovd Research Station, N69.45403° E30.04057°, 46 m a.s.l. Mosaic of farmland, meadows and patches of woodland, mainly birch.

All material has been identified by the senior author. The material collected during the project in Finnmark in 2010 is listed under "Material" below and the localities are referred to by the locality number only. Other unpublished material from Finnmark is listed under "Additional material" with full reference to the localities. The material collected during the project in Finnmark in 2010 is preserved in alcohol and deposited in the entomological collection at the Department of Natural History, University Museum of Bergen (ZMBN). Additional material is mainly deposited in the senior author's private collection. A few specimens are deposited in Tromsø Museum (ZMT) and in the collection at ZMBN.

DNA barcoding was carried out in cooperation with the Barcode of Life Database (BOLD) as described in Ekrem *et al.* (2012). A total of 40 sequences were obtained from 39 species; GenBank accession numbers can be found in table 1. Comparisons with existing sequences in the database were made using MEGA version 5.2 (Tamura *et al.* 2011).

The nomenclature follows Chvála (2013a, 2013b) and Pollet (2013). The biogeographical regions follow Økland (1981).

TABLE 1. Overview of sequenced specimens of Brachystomatidae, Empididae, Hybotidae and Dolichopodidae collected in Finnmark, northern Norway in 2010.

Species	Locality	Date	Sample ID	GenBank Accession
Family BRACHYSTOMATIDAE				
<i>Heleodromia immaculata</i> Haliday, 1833	FinLoc05	23.VII.2010	FinEmp22	KF297843
Family EMPIDIDAE				
<i>Clinocera appendiculata</i> (Zetterstedt, 1838)	FinLoc08	26.VI.2010	FinEmp5	KF297840
<i>Dolichocephala irrorata</i> (Fallén, 1816)	FinLoc05	23.VII.2010	FinEmp33	KF297851
<i>Empis (E.) bicuspidata</i> Collin, 1927	FinLoc05	23.VII.2010	FinEmp8	KF297873
<i>Empis (Platyptera) borealis</i> Linnaeus, 1758	FinLoc08	26.VI.2010	FinEmp29	KF297847
<i>Hilara bistrriata</i> Zetterstedt, 1842	FinLoc08	26.VI.2010	FinEmp18	KF297846
<i>Hilara griseola</i> Zetterstedt, 1838	FinLoc05	23.VII.2010	FinEmp19	KF297866
<i>Hilara hybrida</i> Collin, 1961	FinLoc81	20.VII.2010	FinEmp35	KF297869
<i>Hilara intersticta</i> (Fallén, 1816)	FinLoc05	23.VII.2010	FinEmp13	KF297874
<i>Hilara nigratarsis</i> Zetterstedt, 1838	FinLoc05	23.VII.2010	FinEmp25	KF297867
<i>Hilara tanythrix</i> Frey, 1913	FinLoc08	26.VI.2010	FinEmp16	KF297853
<i>Rhamphomyia (Holocera) culicina</i> (Fallén, 1816)	FinLoc05	23.VII.2010	FinEmp30	KF297871
<i>Rhamphomyia (Holocera) sciarina</i> (Fallén, 1816)	FinLoc85	08.IX.2010	FinEmp4	KF297855
<i>Rhamphomyia (Holocera) umbripennis</i> Meigen, 1822	FinLoc05	23.VII.2010	FinEmp36	KF297877
<i>Rhamphomyia (Megacyrtarus) anomalina</i> Zetterstedt, 1838	FinLoc05	23.VII.2010	FinEmp31	KF297850
<i>Rhamphomyia (Lundstroemiella) hybotina</i> Zetterstedt, 1838	FinLoc81	20.VII.2010	FinEmp20	KF297878
<i>Rhamphomyia (Pararhamphomyia) dispar</i> Zetterstedt, 1838	FinLoc08	26.VI.2010	FinEmp14	KF297859
<i>Rhamphomyia (Pararhamphomyia) lividiventris</i> Zetterstedt, 1838	FinLoc81	20.VII.2010	FinEmp27	KF297872
<i>Rhamphomyia (Pararhamphomyia) pusilla</i> Zetterstedt, 1838	FinLoc08	26.VI.2010	FinEmp7	KF297864
<i>Rhamphomyia (R.) coracina</i> Zetterstedt, 1849	FinLoc08	26.VI.2010	FinEmp1	KF297857
<i>Rhamphomyia (R.) sulcata</i> (Meigen, 1804)	FinLoc05	23.VII.2010	FinEmp40	KF297854
<i>Rhamphomyia (R.) vesiculosa</i> (Fallén, 1816)	FinLoc08	26.VI.2010	FinEmp3	KF297848
<i>Wiedemannia bohemani</i> (Zetterstedt, 1838)	FinLoc08	30.VIII.2010	FinEmp12	KF297865
Family HYBOTIDAE				
<i>Bicellaria nigra</i> (Meigen, 1824)	FinLoc05	23.VII.2010	FinEmp21	KF297858
<i>Leptozepe flavipes</i> (Meigen, 1820)	FinLoc05	23.VII.2010	FinEmp15	KF297862
<i>Oedalea stigmatella</i> Zetterstedt, 1842	FinLoc05	23.VII.2010	FinEmp32	KF297841
<i>Platypalpus cursitans</i> (Fabricius, 1775)	FinLoc05	23.VII.2010	FinEmp28	KF297844
<i>Platypalpus luteicornis</i> (Meigen, 1838)	FinLoc05	23.VII.2010	FinEmp42	KF297868
<i>Platypalpus macula</i> (Zetterstedt, 1842)	FinLoc05	23.VII.2010	FinEmp10	KF297861
<i>Platypalpus stigmatellus</i> (Zetterstedt, 1842)	FinLoc08	30.VIII.2010	FinEmp11	KF297842
<i>Tachydromia incompleta</i> (Becker, 1900)	FinLoc08	26.VI.2010	FinEmp6	KF297870
<i>Tachypeza fennica</i> Tuomikoski, 1932	FinLoc05	23.VII.2010	FinEmp23	KF297849
<i>Trichinomyia fuscipes</i> (Zetterstedt, 1838)	FinLoc05	23.VII.2010	FinEmp43	KF297852
Family DOLICHOPODIDAE				
<i>Campicnemus marginatus</i> Loew, 1857	FinLoc08	26-Jun-2010	FinEmp39	KF297860

TABLE 1. continued

Species	Locality	Date	Sample ID	GenBank Accession
<i>Dolichopus acuticornis</i> Wiedemann, 1817	FinLoc81	20-Jul-2010	FinEmp24	KF297876
<i>Dolichopus plumipes</i> (Scopoli, 1763)	FinLoc81	10-Aug-2010	FinEmp9	KF297875
<i>Dolichopus plumipes</i> (Scopoli, 1763)	FinLoc85	07-Sep-2010	FinEmp26	KF297856
<i>Hydrophorus praecox</i> (Lehmann, 1822)	FinLoc08	26-Jun-2010	FinEmp17	KF297845
<i>Rhaphium crassipes</i> (Meigen, 1824)	FinLoc08	26-Jun-2010	FinEmp38	KF297863
<i>Rhaphium elegantulum</i> (Meigen, 1824)	FinLoc08	26-Jun-2010	FinEmp2	KF297879

The species

Family BRACHYSTOMATIDAE

Heledromia (H.) immaculata Haliday, 1833

(Figure 1)

Material. FinLoc05, 10–23 July 2010, 1♀; 23 July–7 August 2010, 2♂♂1♀, Malaise trap; FinLoc08, 26 June–10 July 2010, 1♂, Malaise trap; FinLoc42, 15 June–2 July 2010, 1♂; 26 July–25 August 2010, 1♂2♀♀, Malaise trap; FinLoc56, 15 June–2 July 2010, 1♂, Malaise trap; FinLoc65, 24 June–20 July 2010, 11♂♂3♀♀; 20–30 July 2010, 5♂♂3♀♀; 30 July–10 August, 2♂♂, Malaise trap; FinLoc81, 24 June–20 July 2010, 2♂♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 2♂♂1♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 10 June–6 July 1995, 1♂; 6 July–8 August 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 5♂♂3♀♀; 6 August–25 September 1996, 2♂♂2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 21 June–4 August 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♂1♀; 4 August–26 September 1996, 4♂♂3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.



FIGURE 1. *Heledromia immaculata* Haliday, 1833, male, from Finnmark, northern Norway. Photo: Linn K. Hagenlund.

Family EMPIDIDAE

Chelifera concinnicauda Collin, 1927

Material. FinLoc05, 23 July–7 August 2010, 4♂♂, Malaise trap; FinLoc08, 10–23 July 2010, 1♂, Malaise trap; FinLoc19, 25 June–9 July 2010, 3♂♂2♀♀; 9–24 July 2010, 3♂♂1♀; 24 July–6 August 2010, 3♂♂3♀♀, Malaise trap; FinLoc21, 25 June–9 July 2010, 2♂♂; 24 July–6 August 2010, 1♂3♀♀, Malaise trap; FinLoc56, 26 July–25 August 2010, 2♂♂, Malaise trap; FinLoc65, 24 June–20 July 2010, 5♂♂; 20–30 July 2010, 4♂♂1♀; 30 July–10 August 2010, 1♂2♀♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Elvestrand,

N69.95189° E23.26481°, 18 July–16 September 1996, 1♂, light trap, leg. L.O. Hansen & H. Rinden; Kålfjord: Møllenes, N69.94934° E23.06244°, 4 August–25 September 1996, 2♂♂, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Listed for Finnmark by Jonassen (1996a), but without exact locality information.

***Chelifera flavella* (Zetterstedt, 1838)**

Material. FinLoc56, 2–17 July 2010, 1♂, Malaise trap.

Additional material. FV, Alta; Jotkajavre, N69.75514° E23.93316°, 16 August 1924, 1♂, leg. T. Soot-Ryen (ZMT). FI, Karasjok; Ravnstuen, N69.52680° E24.95756°, 11 August 1924, 1♀, leg. T. Soot-Ryen (ZMT).

Remarks. Listed for Finnmark by Jonassen (1996a), but without exact locality information.

***Chelifera frigellii* (Zetterstedt, 1838)**

Material. FinLoc08, 10–23 July 2010, 1♂, Malaise trap.

Additional material. FI, Kautokeino: Bidjovagge, N69.27721° E22.48900°, 13 June 1986, 1♂, leg. A. Fjellberg & F. Midtgaard (ZMT).

Remarks. Listed for Finnmark by Jonassen (1996a), but without exact locality information.

***Chelifera precabunda* Collin, 1961**

Additional material. FØ, Sør-Varanger: Noatun, Pasvik, N69.16532° E29.24579°, 17–18 July 1989, 1♂, leg. T.R. Nielsen (ZMBN).

Remarks. Not previously recorded from Finnmark.

***Chelifera precatória* (Fallén, 1816)**

Material. FinLoc19, 9–24 July 2010, 1♂, Malaise trap; FinLoc42, 17–26 July 2010, 1♂, Malaise trap.

Additional material. FØ, Sør-Varanger: Øvre Pasvik, Dagvatnet, N69.08902° E28.91586°, 13 August 1996, 1♂, leg. J. Skartveit.

Remarks. Not previously recorded from Finnmark.

***Chelifera subangusta* Collin, 1961**

Material. FinLoc56, 17–26 July 2010, 1♂, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Chelifera trapezina* (Zetterstedt, 1838)**

Material. FinLoc08, 23 July–7 August 2010, 1♂1♀, Malaise trap; FinLoc21, 25 June–9 July 2010, 1♂, Malaise trap; FinLoc56, 17–26 July 2010, 1♂; 26 July–25 August 2010, 3♂♂; 25 August–3 September 2010, 1♂1♀, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Chelipoda albiseta* (Zetterstedt, 1838)**

Material. FinLoc65, 30 July–10 August 2010, 1♂; 21 August–6 September 2010, 1♂1♀, Malaise trap; FinLoc81, 21 August–6 September 2010, 1♂, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Clinocera appendiculata* (Zetterstedt, 1838)**

Material. FinLoc08, 11–26 June 2010, 1♂; 23 July–7 August 2010, 1♂1♀, Malaise trap.

Additional material. FV, Alta: Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 1♂; 6 August–25 September 1996, 1♂2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 4 August–26 September 1996, 2♂♂3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Måsøy: Gunnarnes, N70.99842° E24.11651°, August 1992, 1♂, Malaise trap, leg. P. Tangen. FØ, Sør-Varanger: Svanvik, Svanhovd, N69.45644° E30.05056°, 4 August–1 September 1986, 1♂, leg. F. Midtgaard (ZMBN).

Remarks. Listed for Finnmark by Jonassen (1996a), but without exact locality information.

***Clinocera nivalis* (Zetterstedt, 1838)**

Material. FinLoc05, 11–26 June 2010, 1♀; 7–24 August 2010, 1♀, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Clinocera* n. sp. A**

Material. FinLoc08, 26 June–10 July 2010, 2♂♂, Malaise trap.

Remarks. The species will be described

elsewhere.

***Dolichocephala guttata* (Haliday, 1833)**

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 1♀, Malaise trap, leg. H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Dolichocephala irrorata* (Fallén, 1816)**

Material. FinLoc05, 26 June–10 July 2010, 12♂♂26♀♀; 10–23 July 2010, 6♂♂16♀♀; 23 July–7 August 2010, 14♂♂16♀♀, Malaise trap; FinLoc08, 26 June–10 July 2010, 7♂♂10♀♀; 10–23 July 2010, 17♂♂30♀♀; 23 July–7 August 2010, >50♂♂>50♀♀; 7–24 August 2010, 3♂♂6♀♀, Malaise trap; FinLoc19, 24 July–6 August 2010, 4♂♂4♀♀, Malaise trap; FinLoc21, 9–24 July 2010, 2♂♂; 24 July–6 August 2010, 7♂♂8♀♀, Malaise trap; FinLoc42, 26 July–25 August 2010, 21♂♂16♀♀; 25 August–3 September 2010, 3♂♂1♀, Malaise trap; FinLoc56, 2–17 July 2010, 2♂♂1♀; 26 July–25 August 2010, 1♂, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♂; 20–30 July 2010, 3♀♀; 30 July–10 August 2010, 3♀♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 5♀♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 24♂♂24♀♀, Malaise trap, leg. H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 1♂, light trap, leg. L.O. Hansen & H. Rinden.

Remarks. Listed for Finnmark by Jonassen (1996a), but without exact locality information.

***Dolichocephala thomasi* Wagner, 1983**

Material. FinLoc05, 23 July–7 August 2010, 1♀, Malaise trap; FinLoc08, 23 July–7 August 2010, 2♂♂6♀♀; 7–24 August 2010, 1♂, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♂1♀; 20–30 July 2010, 1♂; 10–21 August 2010, 1♂, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Empis (Anacrostichus) lucida* Zetterstedt, 1838**

Material. FinLoc05, 10–23 July 2010, 1♀, Malaise trap; FinLoc08, 11–26 June 2010, 1♂, Malaise trap; FinLoc21, 25 June–9 July 2010, 1♂, Malaise trap; FinLoc56, 2–17 July 2010, >50♂♂>50♀♀, Malaise trap; FinLoc65, 19–24 June 2010, 2♂♂; 24 June–20 July 2010, 4♂♂5♀♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 3♀♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 2♂♂7♀♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen 10 June–6 July 1995, N69.89373° E23.22674°, 3♂♂; 6 July–8 August 1995, 2♂♂1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 8♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåffjord, Møllenes, N69.94934° E23.06244°, 21 June–4 August 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 9♂♂11♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

***Empis (Coptophlebia) hyalipennis* Fallén, 1816**

Material. FinLoc05, 23 July–7 August 2010, 6♂♂9♀♀, Malaise trap; FinLoc08, 23 July–7 August 2010, 2♂♂3♀♀; 7–24 August 2010, 3♂♂6♀♀, Malaise trap; FinLoc56, 26 July–25 August 2010, 2♂♂4♀♀, Malaise trap.

Additional material. FV, Alta: Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 1♀, light trap, leg. L.O. Hansen & H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Widely distributed in Fennoscandia and present in most districts in Norway. Not previously recorded from Finnmark.

***Empis (E.) bicuspidata* Collin, 1927**

Material. FinLoc05, 10–23 July 2010, 3♂♂6♀♀; 23 July–7 August 2010, 6♂♂6♀♀, Malaise trap; FinLoc42, 17–26 July 2010, 1♂; 26 July–25 August 2010, 2♂♂1♀, Malaise trap.

Remarks. Widely distributed in Scandinavia, including the extreme north (Chvála 1994). Not previously recorded from Finnmark.

***Empis (Platyptera) borealis* Linnaeus, 1758**

Material. FinLoc05, 11–26 June 2010, 1 ♀, Malaise trap; FinLoc08, 11–26 June 2010, 1 ♂, Malaise trap; FinLoc32, 17 June 2010, 1 ♂, net; FinLoc42, 15 June–2 July 2010, 1 ♂, Malaise trap; FinLoc65, 19–24 June 2010, 9 ♂♂3 ♀♀; 24 June–20 July 2010, 1 ♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 11 June–3 July 1995, 1 ♂, Malaise trap, leg. L.O. Hansen & H. Rinden.

***Empis (Xanthempis) stercorea* Linnaeus, 1761**

Material. FinLoc42, 26 July–25 August 2010, 1 ♀, Malaise trap.

Additional material. FV, Alta: Kåfjord, Møllenes, N69.94934° E23.06244°, 21 June–4 August 1996, 1 ♂, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Widely distributed in Fennoscandia and present in most districts in Norway. Not previously recorded from Finnmark.

***Hemerodromia adulatoria* Collin, 1927**

Material. FinLoc81, 10–21 August 2010, 1 ♂1 ♀, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Hemerodromia raptorica* Meigen, 1830**

Material. FinLoc19, 24 July–6 August 2010, 1 ♂2 ♀♀, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Hilara abdominalis* Zetterstedt, 1838**

Material. FinLoc05, 10–23 July 2010, 1 ♂3 ♀♀; 23 July–7 August 2010, 11 ♂♂9 ♀♀, Malaise trap; FinLoc08, 23 July–7 August 2010, 3 ♂♂2 ♀♀, Malaise trap; FinLoc19, 24 July–6 August 2010, 3 ♂♂1 ♀, Malaise trap; FinLoc21, 9–24 July 2010, 7 ♂♂3 ♀♀; 24 July–6 August 2010, 10 ♂♂7 ♀♀, Malaise trap; FinLoc42, 17–26 July 2010, 2 ♂♂, Malaise trap; FinLoc56, 17–26 July 2010, 6 ♂♂; 26 July–25 August 2010, 1 ♂, Malaise trap; FinLoc65, 24 June–20 July 2010, 1 ♂2 ♀♀; 20–30 July 2010, 2 ♂♂, Malaise trap; FinLoc81, 24 June–20 July 2010, 3 ♂♂, Malaise

trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 11 June–3 July 1995, 1 ♀; 3 July–8 August 1995, 8 ♂♂4 ♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 2 ♂♂2 ♀♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 10 June–6 July 1995, 5 ♂♂5 ♀♀; 6 July–8 August 1995, 23 ♂♂23 ♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 2 ♂♂, light trap, leg. L.O. Hansen & H. Rinden; 4 July–18 August 1997, 3 ♂♂1 ♀, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 13 ♂♂26 ♀♀ Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 15 ♂♂3 ♀♀; 21 June–4 August 1996, 24 ♂♂8 ♀♀; 4 August–25 September 1996, 2 ♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 16 ♂♂20 ♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Seemingly one of the more common *Hilara* species in Finnmark. It has not, however, been recorded from the region previously.

***Hilara bistriata* Zetterstedt, 1842**

Material. FinLoc08, 11–26 June 2010, 1 ♂, Malaise trap; FinLoc21, 12–25 June 2010, 1 ♂, Malaise trap; FinLoc65, 20–30 July 2010, 1 ♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 1 ♂3 ♀♀, Malaise trap, leg. H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 21 June–4 August 1996, 1 ♀, Malaise trap, leg. L.O. Hansen & H. Rinden. FN, Båtsfjord: Sandfjord, N71.09258° E24.78114°, 20 June 1986, 1 ♂, leg. A. Fjellberg & F. Midtgaard (ZMT).

***Hilara chorica* (Fallén, 1816)**

Material. FinLoc05, 23 July–7 August 2010, 1 ♂, Malaise trap; FinLoc08, 10–23 July 2010, 1 ♂1 ♀; 23 July–7 August 2010, >50 ♂♂>50 ♀♀; 7–24 August 2010, >50 ♂♂>50 ♀♀; 24–30 August 2010, 1 ♀, Malaise trap; FinLoc19, 24 July–6

August 2010, 2♀♀; 6–20 August 2010, 1♂, Malaise trap; FinLoc21, 24 July–6 August 2010, 1♂2♀♀, Malaise trap; FinLoc56, 26 July–25 August 2010, 5♀♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♂; 30 July–10 August 2010, 1♂1♀, Malaise trap; FinLoc81, 10–21 August 2010, 1♀, Malaise trap.

Hilara clavipes (Harris, 1776)

Material. FinLoc42, 26 July–25 August 2010, 5♂♂8♀♀; 25 August–3 September 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 1♀, light trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; FØ, Sør-Varanger: Jarfjordbotn, N69.66454° E30.29851°, 5 August 1996, 1♂, leg. J. Skartveit.

Hilara diversipes Strobl, 1892

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 3♂♂5♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 100♀♀, light trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 1♀; 21 June–4 August 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♂2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Hilara femorella Zetterstedt, 1842

Material. FinLoc42, 26 July–25 August 2010, 1♂1♀, Malaise trap.

Additional material. FV, Alta: Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 79♂♂41♀♀; 6 August–25 September 1996, 74♂♂51♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Hilara griseola Zetterstedt, 1838

Material. FinLoc05, 11–26 June 2010, 10♂♂3♀♀; 10–23 July 2010, 11♂♂5♀♀; 23 July–7 August 2010, 9♂♂8♀♀, Malaise trap;

FinLoc08, 11–26 June 2010, 12♂♂9♀♀; 26 June–10 July 2010, 7♂♂20♀♀; 10–23 July 2010, 4♂♂13♀♀; 23 July–7 August 2010, 4♂♂3♀♀, Malaise trap; FinLoc19, 25 June–9 July 2010, 4♂♂4♀♀; 9–24 July 2010, 12♂♂5♀♀; 24 July–6 August 2010, 8♂♂19♀♀, Malaise trap; FinLoc21, 25 June–9 July 2010, 7♂♂3♀♀; 9–24 July 2010, 9♂♂7♀♀; 24 July–6 August 2010, 6♂♂8♀♀, Malaise trap; FinLoc56, 17–26 July 2010, 2♀♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♀, Malaise trap; FinLoc81, 19–24 June 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 5♀♀; 6 July–8 August 1995, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 1♂6♀♀, Malaise trap, leg. H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 11♂♂81♀♀, light trap, leg. L.O. Hansen & H. Rinden.

Hilara hybrida Collin, 1961

Material. FinLoc05, 10–23 July 2010, 8♂♂9♀♀; 23 July–7 August 2010, 17♂♂4♀♀, Malaise trap; FinLoc08, 11–26 June 2010, 2♂♂2♀♀; 26 June–10 July 2010, 9♂♂10♀♀; 10–23 July 2010, 6♂♂6♀♀; 23 July–7 August 2010, 3♂♂7♀♀, Malaise trap; FinLoc21, 24 July–6 August 2010, 1♂, Malaise trap; FinLoc81, 24 June–20 July 2010, 2♂♂1♀, Malaise trap.

Hilara intermedia (Fallén, 1816)

Material. FinLoc42, 26 July–25 August 2010, 1♂, Malaise trap; FinLoc56, 26 July–25 August 2010, 1♂, Malaise trap

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 2♂♂3♀♀, Malaise trap, leg. H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 3♂♂7♀♀, light trap, leg. L.O. Hansen & H. Rinden.

Hilara interstincta (Fallén, 1816)

Material. FinLoc05, 10–23 July 2010, >50♂♂>50♀♀; 23 July–7 August 2010, 26♂♂7♀♀, Malaise trap; FinLoc08, 11–26 June 2010, 8♂♂1♀; 26 June–10 July 2010, 15♂♂14♀♀; 10–23 July 2010, 7♂♂7♀♀; 23

July–7 August 2010, 9♂♂13♀♀, Malaise trap; FinLoc19, 9–24 July 2010, 5♂♂9♀♀; 24 July–6 August 2010, 6♂♂7♀♀, Malaise trap; FinLoc21, 9–24 July 2010, 1♂5♀♀; 24 July–6 August 2010, 3♀♀, Malaise trap; FinLoc42, 17–26 July 2010, 1♂, Malaise trap; FinLoc56, 17–26 July 2010, 1♂2♀♀, Malaise trap; FinLoc65, 9–24 June 2010, 3♂♂2♀♀; 24 June–20 July 2010, >50♂♂>50♀♀; 20–30 July 2010, >50♂♂>50♀♀; 30 July–10 August 2010, >50♂♂>50♀♀; 10–21 August 2010, 13♂♂26♀♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 5♂♂9♀♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 11 June–3 July 1995, 2♂♂1♀; 3 July–8 August 1995, 7♂♂5♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 4♂♂6♀♀, Malaise trap, leg. H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 4♂♂19♀♀, light trap, leg. L.O. Hansen & H. Rinden; 4 July–18 August 1997, 1♀, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 1♂; 6 August–25 September 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 4♂♂18♀♀; 21 June–4 August 1996, 5♂♂10♀♀; 4 August–25 September 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♂1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Hilara nigratarsis Zetterstedt, 1838

Material. FinLoc05, 10–23 July 2010, >50♂♂>50♀♀; 23 July–7 August 2010, 50♂♂16♀♀, Malaise trap; FinLoc56, 17–26 July 2010, 4♀♀; 26 July–25 August 2010, 1♀, Malaise trap.

Hilara nitidula Zetterstedt, 1838

Material. FinLoc65, 24 June–20 July 2010, >50♂♂>50♀♀; 20–30 July 2010, >50♂♂>50♀♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 4♀♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 1♂, Malaise trap, leg. H. Rinden;

Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 70♂♂24♀♀, light trap, leg. L.O. Hansen & H. Rinden.

Hilara pilipes Zetterstedt, 1838

Material. FinLoc21, 12–25 June 2010, 1♂; 25 June–9 July 2010, 4♂♂, Malaise trap.

Additional material. FV, Alta: Jotka, N69.75514° E23.93316, 23 July 1933, 1♂, leg. T. Soot-Ryen (ZMT). FN, Båtsfjord: Sandfjord, N71.09258° E24.78114°, 20 June 1986, 1♂, leg. A. Fjellberg & F. Midtgaard (ZMT).

Hilara quadrfasciata Chvála, 2002

Material. FinLoc08, 23 July–7 August 2010, 1♂5♀♀, Malaise trap.

Hilara scrobiculata Loew, 1873

Additional material. FV, Alta: Kåfjord, Møllenes, N69.94934° E23.06244°, 21 June–4 August 1996, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

Hilara submaura Collin, 1927

Material. FinLoc65, 24 June–20 July 2010, 1♀, Malaise trap.

Remarks. A rather uncommon species in central and northern parts of Fennoscandia (Chvála 2005). Not previously recorded from Finnmark.

Hilara tanythrix Frey, 1913

Material. FinLoc08, 11–26 June 2010, 1♂5♀♀; 10–23 July 2010, 2♂♂1♀; 23 July–7 August 2010, 2♂♂17♀♀, Malaise trap; FinLoc19, 25 June–9 July 2010, 2♂♂; 24 July–6 August 2010, 4♂♂9♀♀, Malaise trap; FinLoc21, 9–24 July 2010, 1♂, Malaise trap; FinLoc65, 20–30 July 2010, 4♀♀; 30 July–10 August 2010, 1♀, Malaise trap.

Hilara tenuinervis Zetterstedt, 1838

Material. FinLoc42, 17–26 July 2010, 1♂1♀; 26 July–25 August 2010, 1♂, Malaise trap.

Remarks. An exclusively Fennoscandian species (Chvála 2005) originally described by

Zetterstedt based on a specimen from inner Sør-Trøndelag (STI). The material from Finnmark represents the first Norwegian record of this species since it was described. The species is also recorded from Sweden, Finland and North Russia (Chvála 2013a).

Hilara n. sp. A

Material. FinLoc21, 9–24 July 2010, 2♂♂, Malaise trap; FinLoc81, 19–24 June 2010, 3♂♂, Malaise trap.

Remarks. The species will be described elsewhere.

***Iteaphila macquarti* Zetterstedt, 1838**

Material. FinLoc05, 10–23 July 2010, 1♂, Malaise trap; FinLoc08, 11–26 June 2010, 3♂♂5♀♀, Malaise trap; FinLoc19, 25 June–9 July 2010, 1♀, Malaise trap; FinLoc65, 19–24 June 2010, 3♀♀; 24 June–20 July 2010, 1♀, Malaise trap; FinLoc81, 19–24 June 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 11 June–3 July 1995, 5♂♂3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 10 June–6 July 1995, 1♂15♀♀; 6 July–8 August 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 7♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Iteaphila nitidula* Zetterstedt, 1838**

Material. FinLoc21, 25 June–9 July 2010, 1♂, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♀, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Holoclera) culicina* (Fallén, 1816)**

Material. FinLoc05, 23 July–7 August 2010, 1♂; 24–30 August 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Eiby, Valsetmoen, N69.89373° E23.22674°, 8 August–10 September 1995, 1♀, Malaise trap,

leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 15♂♂68♀♀, light trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Holoclera) sciarina* (Fallén, 1816)**

Material. FinLoc85, 7–8 September 2010, 1♀, light trap.

Remarks. Not previously recorded from Finnmark.

Rhamphomyia (Holoclera) umbripennis

Meigen, 1822

Material. FinLoc05, 10–23 July 2010, 2♂♂1♀; 23 July–7 August 2010, 2♂♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 11 June–3 July 1995, 4♂♂1♀; 3 July–8 August 1995, 1♂1♀; 8 August–10 September 1995, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 1♂, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 10 June–6 July 1995, 10♂♂2♀♀; 6 July–8 August 1995, 8♂♂8♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 7♂♂2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 2♂♂4♀♀; 21 June–4 August 1996, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♂2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

Rhamphomyia (Lundstroemiella) hybotina

Zetterstedt, 1838

Material. FinLoc05, 10–23 July 2010, 3♂♂; 23 July–7 August 2010, 10♂♂4♀♀, Malaise trap; FinLoc08, 23 July–7 August 2010, 9♂♂13♀♀, Malaise trap; FinLoc19, 24 July–6 August 2010, 2♂♂; 6–20 August 2010, 1♂, Malaise trap; FinLoc21, 9–24 July 2010, 3♂♂2♀♀; 24 July–6 August 2010, 12♂♂4♀♀, Malaise trap; FinLoc42,

26 June–10 July 2010, 12♂♂13♀♀; 17–26 July 2010, 3♂♂2♀♀, Malaise trap; FinLoc56, 26 July–25 August 2010, 8♂♂7♀♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 1♂3♀♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 1♂1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 1♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 4♂♂2♀♀; 8 August–10 September 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 25♂♂103♀♀; 6 August–25 September 1996, 1♂1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 12♂♂4♀♀; 4 August–26 September 1996, 3♂♂2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Megacyttarus) anomalina*
Zetterstedt, 1838**

Material. FinLoc05, 11–26 June 2010, 2♂♂; 10–23 July 2010, >50♂♂>50♀♀; 23 July–7 August 2010, 12♂♂1♀, Malaise trap; FinLoc08, 26 June–10 July 2010, >50♂♂>50♀♀; 10–23 July 2010, 3♂♂1♀; 23 July–7 August 2010, 2♀♀, Malaise trap; FinLoc42, 15 June–2 July 2010, 1♀; 17–26 July 2010, 32♂♂4♀♀; 26 July–25 August 2010, 7♂♂2♀♀, Malaise trap; FinLoc56, 15 June–2 July 2010, >50♂♂>50♀♀; 2–17 July 2010, >50♂♂>50♀♀; 17–26 July 2010, >50♂♂>50♀♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♂, Malaise trap; FinLoc81, 24 June–20 July 2010, 2♀♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 11 June–3 July 1995, 5♂♂3♀♀; 3 July–8 August 1995, 12♂♂5♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 5♂♂1♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995,

2♂♂, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 3♂♂1♀, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 2♂♂1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Megacyttarus) anomalipennis*
Meigen, 1822**

Material. FinLoc05, 11–26 June 2010, 2♂♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 6♂♂, light trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 3♂♂1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Megacyttarus) paradoxa*
Wahlberg, 1844**

Material. FinLoc19, 25 June–9 July 2010, 1♂; 9–24 July 2010, 1♂, Malaise trap.

Remarks. A subboreal species previously recorded from Sweden, Finland, northern Russia and the East Palaearctic (Chvála 2013a). Not previously recorded from Norway.

***Rhamphomyia (Pararhamphomyia) albidiventris*
Strobl, 1898**

Material. FinLoc65, 24 June–20 July 2010, 1♀, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Pararhamphomyia) albissima*
Frey, 1913**

Material. FinLoc08, 11–26 June 2010, 4♂♂; 26 June–10 July 2010, 6♂♂, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♂, Malaise

trap; FinLoc81, 24 June–20 July 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 7♂♂3♀♀, light trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

Rhamphomyia (Pararhamphomyia) albitarsis
Collin, 1926

Material. FinLoc65, 24 June–20 July 2010, 1♂, Malaise trap.

Remarks. Not previously recorded from Finnmark.

Rhamphomyia (Pararhamphomyia) angulifera
Frey, 1913

Material. FinLoc21, 24 July–6 August 2010, 1♀, Malaise trap; FinLoc42, 26 July–25 August 2010, 1♂7♀♀, Malaise trap.

Remarks. Not previously recorded from Finnmark.

Rhamphomyia (Pararhamphomyia) breviventris
Frey, 1913

Material. FinLoc19, 12–25 June 2010, 1♂; 25 June–9 July 2010, 3♂♂; 24 July–6 August 2010, 5♂♂, Malaise trap.

Remarks. Previously recorded only from Sweden, Finland and Great Britain (Chvála 2013a). Not previously recorded from Norway.

Rhamphomyia (Pararhamphomyia) caesia
Meigen, 1922

Material. FinLoc08, 26 June–10 July 2010, 1♂; 10–23 July 2010, 1♂, Malaise trap.

Additional material. FØ, Sør-Varanger: Neiden, N69.70212° E29.38778°, 7 August 1996, 1♀, leg. J. Skartveit.

Remarks. Not previously recorded from Finnmark.

Rhamphomyia (Pararhamphomyia) caudata
Zetterstedt, 1838

Syn. *Rhamphomyia aethiops* (Zetterstedt, 1838)

Additional material. FV, Alta: Eiby, Valsetmoen, N69.89373° E23.22674°, 10 June–6

July 1995, 1♂4♀♀; 6 July–8 August 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden. FØ, Sør-Varanger: Vaggatem, N69.21411° E29.15452°, 23 June 1990, 1♂, leg. T.R. Nielsen.

Remarks. *Rhamphomyia caudata* Zetterstedt, 1838 is here treated as conspecific with the species that very often has been referred to as *R. aethiops* (Zetterstedt, 1838) by previous authors (see e.g. Collin 1961). However, in a more recent revision of Zetterstedt's *Rhamphomyia* species (Barták & Danielsson 2007), *R. caudata* was shown to be the valid name for this species, thus following the view of Frey (1913). Three years later Frey described a related species, which he named *R. longestylata* Frey, 1916, that was subsequently sunk as a junior synonym of Zetterstedt's *R. caudata* (see Collin 1961). In Barták and Danielsson's (2007) revision, however, both of Zetterstedt's syntypes of *R. caudata* were available to the authors, proving beyond doubt that they were conspecific with *R. aethiops* and thus the senior and valid name for that species. Consequently, *R. caudata* can no longer be used as a valid name for *R. longestylata*. *Rhamphomyia caudata* Zetterstedt, 1838 and *Rhamphomyia longestylata* Frey, 1916 are related species, showing many similarities in the male hypopygium, where they share very long and projecting side lamellae placed almost at right angles with the abdomen and ending in a flattened lobe. The aedagus is also very long and hair-like in both species, thus making it possible to confuse the males of these two species. Following the discussion above, however, the name *R. caudata* must be used for the species that has a dull black thorax and where the female hind femur is fringed. *R. longestylata*, on the other side, is a species with a shining thorax and female legs lacking fringe.

Rhamphomyia (Pararhamphomyia) curvula
Frey, 1913

Material. FinLoc08, 26 June–10 July 2010, 1♂, Malaise trap; FinLoc65, 19–24 June 2010, 10♂♂2♀♀; 24 June–20 July 2010, 9♂♂, Malaise trap; FinLoc81, 24 June–20 July 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 1♂, Malaise trap, leg. H. Rinden;

Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 2♂♂3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Pararhamphomyia) dentata*
Oldenberg, 1910**

Additional material. FV, Alta: Kåffjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 1♀; 1 June–4 August 1996, 1♂6♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Pararhamphomyia) dispar*
(Zetterstedt, 1838)**

Syn. *Rhamphomyia griseola* Zetterstedt, 1838

Material. FinLoc08, 11–26 June 2010, 9♂♂1♀, Malaise trap; FinLoc19, 12–25 June 2010, 10♂♂2♀♀; 25 June–9 July 2010, 32♂♂, Malaise trap; FinLoc21, 12–25 June 2010, 8♂♂2♀♀; 25 June–9 July 2010, 4♂♂, Malaise trap; FinLoc42, 15 June–2 July 2010, 1♀, Malaise trap; FinLoc65, 19–24 June 2010, 2♂♂; 24 June–20 July 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 1♂, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 3♂♂1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåffjord, Møllenes, N69.94934° E23.06244°, 1 June–4 August 1996, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Pararhamphomyia) fascipennis*
Zetterstedt, 1838**

Material. FinLoc65, 24 June–20 July 2010, 2♂♂, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Pararhamphomyia) fuscipennis*
Zetterstedt, 1838**

Material. FinLoc81, 19–24 June 2010, 2♀♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 1♂, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 10 June–6 July 1995, 1♂2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Pararhamphomyia) fuscula*
Zetterstedt, 1838**

Material. FinLoc42, 15 June–2 July 2010, 1♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♂, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Pararhamphomyia) geniculata*
Meigen, 1830**

Material. FinLoc05, 10–23 July 2010, 1♂1♀, Malaise trap; FinLoc08, 10–23 July 2010, 6♂♂8♀♀; 23 July–7 August 2010, 2♂♂1♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 2♂♂5♀♀, light trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Pararhamphomyia) lividiventris*
Zetterstedt, 1838**

Material. FinLoc05, 10–23 July 2010, 2♀♀; 23 July–7 August 2010, 1♂7♀♀, Malaise trap; FinLoc19, 9–24 July 2010, 1♀, Malaise trap; FinLoc21, 9–24 July 2010, 1♂; 24 July–6 August 2010, 1♀, Malaise trap; FinLoc42, 26 July–25 August 2010, 1♂1♀, Malaise trap; FinLoc56, 2–17 July 2010, 1♂3♀♀; 17–26 July 2010, 6♀♀; 26 July–25 August 2010, 1♂3♀♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 1♂; 30 July–10 August 2010, 12♀♀, Malaise trap.

Remarks. Not previously recorded from

Finnmark.

***Rhamphomyia (Pararhamphomyia) longestylata*
Frey, 1916**

Additional material. FI, Kautokeino: Bidjovagge, N69.27721° E22.48900°, 19 June 1986, 2♀♀, leg. A. Fjellberg & F. Midtgaard (ZMT).

Remarks. See remarks for *R. caudata* Zetterstedt, 1838. Not previously recorded from Finnmark.

***Rhamphomyia (Pararhamphomyia) modesta*
Wahlberg, 1844**

Material. FinLoc08, 26 June–10 July 2010, 1♂, Malaise trap; FinLoc42, 17–26 July 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 11 June–3 July 1995, 1♂; 3 July–8 August 1995, 3♂♂5♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 2♀♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 1♂, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 23♂♂84♀♀; 6 August–25 September 1996, 3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 1♂5♀♀; 1 June–4 August 1996, 1♂3♀♀; 4 August–25 September 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 8♂♂17♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Pararhamphomyia) niveipennis*
Zetterstedt, 1838**

Additional material. FV, Alta: Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 2♂♂, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 3♂♂6♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Pararhamphomyia) obscura*
Zetterstedt, 1838**

Material. FinLoc65, 24 June–20 July 2010, 1♂, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Pararhamphomyia)*
obscuripennis Meigen, 1830**

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 10 June–6 July 1995, 1♂; 6 July–8 August 1995, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 7♂♂6♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Pararhamphomyia) pilifer*
Meigen, 1838** (Figure 2)

Material. FinLoc08, 11–26 June 2010, 1♂; 10–23 July 2010, 3♂♂4♀♀, Malaise trap; FinLoc21, 9–24 July 2010, 1♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 6♂♂, Malaise trap; FinLoc81, 19–24 June 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 11 June–3 July 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 1♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 10 June–6 July 1995, 7♀♀; 6 July–8 August 1995, 1♂9♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 4♂♂19♀♀, light trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 1♀; 1 June–4 August 1996, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.



FIGURE 2. *Rhamphomyia (P.) pilifer* Meigen, 1838, male, from Finnmark, northern Norway. Photo: Linn K. Hagenlund.

***Rhamphomyia (Pararhamphomyia) plumifera*
Zetterstedt, 1838**

Material. FinLoc08, 23 July–7 August 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 4♂♂4♀♀; 6 August–25 September 1996, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♂2♀♀; 4 August–26 September 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Pararhamphomyia) poplitea*
Wahlberg, 1844**

Material. FinLoc08, 23 July–7 August 2010, 1♂, Malaise trap; FinLoc19, 25 June–9 July 2010, 5♂♂; 9–24 July 2010, 21♂♂5♀♀; 24 July–6 August 2010, 14♂♂10♀♀, Malaise trap; FinLoc21, 9–24 July 2010, 2♂♂2♀♀; 24 July–6 August 2010, 3♂♂1♀, Malaise trap; FinLoc56, 26 July–25 August 2010, 1♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 2♂♂1♀; 20–30 July 2010, 2♂♂3♀♀; 30 July–10 August 2010, 2♂♂6♀♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 1♀, Malaise trap, leg. H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Pararhamphomyia) praestans*
Frey, 1913**

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 1♂, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 3♂♂, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Pararhamphomyia) pusilla*
Zetterstedt, 1838**

Material. FinLoc08, 11–26 June 2010, 1♂, Malaise trap.

Additional material. FN, Vardø: Persfjorden, N70.42047° E30.79105°, 20 June 1986, 1♂, leg. A. Fjellberg & F. Midtgaard (ZMT).

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Pararhamphomyia) rufipes*
(Zetterstedt, 1838)**

Syn. *Rhamphomyia lapponica* Frey, 1955

Material. FinLoc65, 19–24 June 2010, 40♂♂7♀♀; 24 June–20 July 2010, 30♂♂, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (Pararhamphomyia) simplex*
Zetterstedt, 1849**

Additional material. FN, Tana: Leirpollskogen, N70.43968° E28.50386°, 27 June 2002, 1♂1♀, leg. T.R. Nielsen.

Remarks. First published from Norway from outer Rogaland (RY) by Jonassen (1987). It has subsequently been found in western part of northern Nordland (NNV) and outer part of Troms (TRY). Not previously recorded from Finnmark. It is regarded as a salt-marsh species (Collin 1961).

***Rhamphomyia (Pararhamphomyia) unguiculata* Frey, 1913**

Material. FinLoc65, 24 June–20 July 2010, 52♂♂10♀♀; 20–30 July 2010, 6♂♂; 30 July–10 August 2010, 1♂, Malaise trap; FinLoc81, 24 June–20 July 2010, 2♀♀, Malaise trap.

Remarks. Not previously recorded from Finnmark.

Rhamphomyia (Pararhamphomyia) n. sp. A

Material. FinLoc08, 26 June–10 July 2010, 1♂, Malaise trap.

Remarks. The species will be described elsewhere.

***Rhamphomyia (R.) albosegmentata* Zetterstedt, 1838**

Material. FinLoc08, 23 July–7 August 2010, 1♂2♀♀, Malaise trap; FinLoc19, 24 July–6 August 2010, 9♂♂1♀; 6–20 August 2010, 2♀♀, Malaise trap; FinLoc21, 9–24 July 2010, 2♂♂; 24 July–6 August 2010, 15♂♂5♀♀; 6–20 August 2010, 3♂♂4♀♀, Malaise trap; FinLoc42, 26 July–25 August 2010, 3♂♂2♀♀, Malaise trap; FinLoc56, 26 July–25 August 2010, 13♂♂15♀♀; 25 August–3 September 2010, 3♀♀, Malaise trap; FinLoc65, 30 July–10 August 2010, 8♂♂2♀♀; 10–21 August 2010, 4♂♂4♀♀; 21 August–6 September 2010, 2♂♂1♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 2♂♂, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 4♂♂8♀♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 5♂♂1♀; 8 August–10 September 1995, 1♂3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 58♂♂60♀♀; 6 August–25 September 1996, 26♂♂40♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 4 August–25 September 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 3♂♂; 4 August–26 September 1996, 12♂♂16♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from

Finnmark.

***Rhamphomyia (R.) coracina* Zetterstedt, 1849**

Material. FinLoc08, 11–26 June 2010, 3♂♂; 26 June–10 July 2010, 1♂, Malaise trap; FinLoc19, 25 June–9 July 2010, 1♂, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (R.) dorsata* Becker, 1915**

Material. FinLoc08, 26 June–10 July 2010, 1♂, Malaise trap.

Additional material. FN, Vadsø: Vadsøya, 3 July 1999, N70.08121° E29.74332°, 1♂, leg. T.R. Nielsen; Nesseby: Varangerbotn, N70.17338° E28.56441°, 3 July 1977, 1♂1♀, leg. T.R. Nielsen. FØ, Sør-Varanger: Neiden, N69.70212° E29.38778°, 27 June 1990, 1♂, leg. T.R. Nielsen; Svanhovd, N69.45403° E30.04057°, 21 June 2002, 1♂, leg. T.R. Nielsen.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (R.) ignobilis* Zetterstedt, 1859**

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 1♂, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 2♂♂1♀, Malaise trap, leg. L.O. Hansen & H. Rinden. FI, Kautokeino: Bæljasvarre, Avzi, N69.03063° E23.25271°, 18 June 1986, 4♂♂, leg. A. Fjellberg & F. Midtgaard (ZMT).

***Rhamphomyia (R.) morio* Zetterstedt, 1838**

Additional material. FV, Alta: Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden. FN, Vardø: Vardø, N70.36979° E31.1083°, 23 June 2002, 1♂2♀♀, leg. T.R. Nielsen; Vadsø: Vadsøya, N70.08121° E29.74332°, 3 July 1999, 1♂, leg. T.R. Nielsen; Berlevåg: Berlevåg, 3 July 2002, N70.85141° E29.09276°, 21♀♀, leg. T.R. Nielsen; Tana: Dårdneskaidi, N69.86597° E26.32091°, 8 July 2002, 1♀, leg. T.R. Nielsen.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (R.) nitidula* Zetterstedt, 1842**

Material. FinLoc19, 25 June–9 July 2010, 1♂, Malaise trap; FinLoc42, 15 June–2 July 2010, 3♂♂8♀♀, Malaise trap; FinLoc65, 19–24 June 2010, 4♂♂1♀; 24 June–20 July 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 11 June–3 July 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (R.) spinipes* (Fallén, 1816)**

Additional material. FV, Alta: Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 4♀♀, light trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (R.) sulcata* (Meigen, 1804)**

Material. FinLoc05, 10–23 July 2010, 1♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 1♀; Malaise trap, leg. L.O. Hansen & H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 2♂♂4♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 5♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 1 June–4 August 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♂4♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden. FN, Berlevåg: Berlevåg, N70.85141° E29.09276°, 4 July 2002, 1♂, leg. T.R. Nielsen; Tana: Leirpollskogen, N70.43968° E28.50386°, 27–28 June 2002, 1♂, leg. T.R. Nielsen.

Remarks. Not previously recorded from Finnmark.

***Rhamphomyia (R.) vesiculosa* (Fallén, 1816)**

Material. FinLoc08, 11–26 June 2010, 1♂, Malaise trap.

Additional material. FN, Porsanger: Lakselv, N70.05123° E24.97174°, 26–27 June 1979, 2♂♂, leg. T.R. Nielsen.

Remarks. Not previously recorded from Finnmark.

***Wiedemannia (Philolutra) bohemani* (Zetterstedt, 1838)**

Material. FinLoc08, 23 July–17 August 2010, 3♂♂3♀♀; 24–30 August 2010, 1♀, Malaise trap.

Remarks. Not previously recorded from Finnmark.

Family HYBOTIDAE

***Allanthalia pallida* (Zetterstedt, 1838)**

Additional material. FV, Alta: Eiby, Valsetmoen, N69.89373° E23.22674°, 10 June–6 July 1995, 1♀, Malaise trap, leg. L. O. Hansen & H. Rinden.

Remarks. A Holarctic species, which in Europe is distributed in northern parts of Sweden and Finland (Chvála 1983) and in mountainous areas in Central Europe. First recorded from Norway from Akershus (AK) by Jonassen (1988). Not previously recorded from Finnmark.

***Bicellaria intermedia* Lundbeck, 1910**

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 1♀, Malaise trap, leg. H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♂1♀; 4 August–26 September 1996, 1♂5♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Widely distributed in Fennoscandia and present in most districts in Norway. Not previously recorded from Finnmark.

***Bicellaria nigra* (Meigen, 1824)**

Material. FinLoc05, 10–23 July 2010, 1♀; 23 July–7 August 2010, 7♀♀, Malaise trap; FinLoc08, 26 June–10 July 2010, 1♀, Malaise trap; FinLoc21, 24 July–6 August 2010, 2♀♀, Malaise trap; FinLoc42, 17–26 July 2010, 2♂♂4♀♀;

26 July–25 August 2010, 6♀♀, Malaise trap; FinLoc56, 2–17 July 2010, 5♂♂8♀♀; 17–26 July 2010, 2♂♂9♀♀; 26 July–25 August 2010, 1♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 3♂♂11♀♀; 20–30 July 2010, 6♂♂5♀♀; 30 July–10 August 2010, 12♂♂5♀♀; 10–21 August 2010, 1♂3♀♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 3♂♂5♀♀; 8 August–10 September 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 2♂♂6♀♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 39♂♂47♀♀; 8 August–10 September 1995, 4♂♂12♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 1♂8♀♀, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 24♂♂24♀♀; 6 August–25 September 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kårfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 4♂♂5♀♀; 21 June–4 August 1996, 1♂1♀; 4 August–25 September 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 61♂♂125♀♀; 4 August–26 September 1996, 4♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Bicellaria pilosa Lundbeck, 1910

Material. FinLoc21, 24 July–6 August 2010, 3♂♂, Malaise trap; FinLoc65, 30 July–10 August 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 32♂♂47♀♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 8 August–10 September 1995, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 2♂♂25♀♀; 6 August–25 September 1996, 2♂♂12♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kårfjord, Møllenes, N69.94934° E23.06244°, 21 June–4 August 1996, 6♂♂1♀; 4 August–25 September 1996, 6♂♂,

Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 21♂♂33♀♀; 4 August–26 September 1996, 10♂♂9♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Bicellaria simplicipes (Zetterstedt, 1842)

Material. FinLoc08, 10–23 July 2010, 1♂, Malaise trap.

Bicellaria spuria (Fallén, 1816)

Material. FinLoc08, 26 June–10 July 2010, 5♂♂4♀♀; 10–23 July 2010, 3♂♂10♀♀; 23 July–7 August 2010, 5♂♂4♀♀, Malaise trap; FinLoc19, 24 July–6 August 2010, 1♂3♀♀, Malaise trap; FinLoc21, 9–24 July 2010, 3♂♂, Malaise trap; FinLoc65, 10–21 August 2010, 1♂, Malaise trap; FinLoc81, 24 June–20 July 2010, 3♂♂1♀, Malaise trap.

Bicellaria subpilosa Collin, 1926

Material. FinLoc08, 26 June–10 July 2010, 5♂♂10♀♀; 10–23 July 2010, 4♀♀; 23 July–7 August 2010, 2♀♀, Malaise trap; FinLoc19, 25 June–9 July 2010, 7♂♂3♀♀; 9–24 July 2010, 3♂♂, Malaise trap; FinLoc21, 25 June–9 July 2010, >50♂♂>50♀♀, Malaise trap; FinLoc42, 17–26 July 2010, 1♀, Malaise trap.

Additional material. FØ, Sør-Varanger: Vaggatem, N69.21411° E29.15452°, 1 August 1996, 1♂, leg. J. Skartveit.

Bicellaria sulcata (Zetterstedt, 1842)

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 11 June–3 July 1995, 4♀♀; 3 July–8 August 1995, 1♂2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 2♀♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 8 August–10 September 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 1♀, Malaise trap, leg. H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

***Bicellaria uvens* Melander, 1928**

Syn. *Bicellaria bisetosa* Tuomikoski, 1936

Material. FinLoc19, 9–24 July 2010, 1♂, Malaise trap; FinLoc21, 25 June–9 July 2010, 1♂2♀♀; 9–24 July 2010, 14♂♂7♀♀; 24 July–6 August 2010, 1♂6♀♀; 6–20 August 2010, 1♀, Malaise trap; FinLoc42, 17–26 July 2010, 3♀♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 3♀♀, Malaise trap.

Remarks. A Holarctic species, previously recorded as *B. bisetosa* Tuomikoski, 1936 from northern Fennoscandia (Barták & Kubík 2013). Not previously recorded from Norway.

***Crossopalpus curvipes* (Meigen, 1822)**

Material. FinLoc08, 26 June–10 July 2010, 1♂, Malaise trap; FinLoc19, 9–24 July 2010, 1♂, Malaise trap.

***Drapetis assimilis* (Fallén, 1815)**

Material. FinLoc08, 23 July–7 August 2010, 1♂, Malaise trap.

***Euthyneura albipennis* (Zetterstedt, 1842)**

Material. FinLoc56, 2–17 July 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 11 June–3 July 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 1♀; Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♂6♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

***Euthyneura gyllenhali* (Zetterstedt, 1838)**

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 8 August–10 September 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 1♀, Malaise trap, leg. H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

***Euthyneura myrtilli* Macquart, 1836**

Material. FinLoc05, 23 July–7 August 2010, 1♂1♀, Malaise trap; FinLoc08, 23 July–7 August 2010, 1♂1♀, Malaise trap; FinLoc21, 25 June–9 July 2010, 1♀, Malaise trap; FinLoc42, 15 June–2 July 2010, 1♂, Malaise trap; FinLoc56, 17–26 July 2010, 1♂, Malaise trap; FinLoc65, 24 June–20 July 2010, 2♂♂15♀♀; 20–30 July 2010, 3♂♂9♀♀; 30 July–10 August 2010, 1♂, Malaise trap; FinLoc81, 24 June–20 July 2010, 2♂♂2♀♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 4♀♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 1♀, 21 June–4 August 1996, 1♂2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

***Hybos grossipes* (Linnaeus, 1767)**

Material. FinLoc65, 24 June–20 July 2010, 1♂; 30 July–10 August 2010, 1♂, Malaise trap.

Remarks. A common and widespread species in Fennoscandia. Not previously recorded from Finnmark.

***Leptopeza borealis* Zetterstedt, 1842**

Material. FinLoc65, 24 June–20 July 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 1♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 1♂1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

***Leptozepe flavipes* (Meigen, 1820)**

Material. FinLoc05, 10–23 July 2010, 3♀♀; 23 July–7 August 2010, 2♀♀, Malaise trap; FinLoc08, 23 July–7 August 2010, 1♀, Malaise trap; FinLoc42, 26 July–25 August 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 1♂, light trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 1♀; 21 June–4 August 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

***Ocydromia glabricula* (Fallén, 1816)**

Material. FinLoc08, 7–24 August 2010, 1♀, Malaise trap; FinLoc21, 24 July–6 August 2010, 2♂♂2♀♀, Malaise trap; FinLoc42, 26 July–25 August 2010, 3♀♀; 25 August–3 September 2010, 2♀♀, Malaise trap; FinLoc65, 30 July–10 August 2010, 1♀; 10–21 August 2010, 4♀♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 8 August–10 September 1995, 2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 1♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 1♀, light trap, leg. L.O. Hansen & H. Rinden; 4 July–18 August 1997, 9♀♀, Malaise trap, leg. H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 4 August–25 September 1996, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden.

***Ocydromia melanopleura* Loew, 1840**

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 1♀, Malaise trap, leg. H. Rinden.

Remarks. Widespread in Fennoscandia, occurring commonly in the northernmost provinces. Not previously recorded from Finnmark.

***Oedalea freyi* Chvála, 1983**

Material. FinLoc42, 26 July–25 August 2010, 1♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 1♀, Malaise trap.

Remarks. Previously recorded only from northern Finland and the Kola Peninsula (Chvála 2013b). Not previously recorded from Norway.

***Oedalea hybotina* (Fallén, 1816)**

Material. FinLoc08, 10–23 July 2010, 1♀; 23 July–7 August 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♂5♀♀; 4 August–26 September 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Widespread in Fennoscandia, but nowhere common. First recorded from Norway from Akershus (AK) by Jonassen (1988). There are additional records from eastern Buskerud (BØ) and Vestfold (VE). Not previously recorded from Finnmark.

***Oedalea ringdahli* Chvála, 1983**

Material. FinLoc05, 23 July–7 August 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 11 June–3 July 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

***Oedalea stigmatella* Zetterstedt, 1842**

Material. FinLoc05, 10–23 July 2010, 31♀♀; 23 July–7 August 2010, 3♀♀, Malaise trap.

Additional material. FV, Alta: Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. One of the more common species of the genus in Fennoscandia. However, not previously recorded from Finnmark.

***Oedalea zetterstedti* Collin, 1926**

Material. FinLoc21, 24 July–6 August 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Vassbotndalen, N69.99428° E22.85046°, 9 May–6 September

1998, 1♀, Malaise trap, leg. H. Rinden.

***Platypalpus alter* (Collin, 1961)**

Material. FinLoc56, 26 July–25 August 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 1♂, Malaise trap, leg. H. Rinden.

***Platypalpus annulatus* (Fallén, 1815)**

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 2♀♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 10 June–6 July 1995, 1♀; 6 July–8 August 1995, 6♀♀; 8 August–10 September 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 1♀, Malaise trap, leg. H. Rinden.

***Platypalpus ater* (Wahlberg, 1844)**

Material. FinLoc08, 10–23 July 2010, 1♂5♀♀; 23 July–7 August 2010, 7♀♀, Malaise trap; FinLoc19, 24 July–6 August 2010, 1♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 1♀; 30 July–10 August 2010, 1♀, Malaise trap.

***Platypalpus boreoalpinus* Frey, 1943**

Material. FinLoc19, 9–24 July 2010, 1♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 7♂♂9♀♀; 20–30 July 2010, 3♂♂7♀♀; 30 July–10 August 2010, 1♂16♀♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 13♀♀, Malaise trap.

Remarks. Common in alpine areas in Norway, rarer in coastal and lowland districts. Not previously recorded from Finnmark.

***Platypalpus brachystylus* (Bezzi, 1892)**

Material. FinLoc05, 23 July–7 August 2010, 1♀, Malaise trap; FinLoc08, 23 July–7 August 2010, 1♂1♀, Malaise trap; FinLoc19, 25 June–9 July 2010, 1♀; 9–24 July 2010, 1♂1♀, Malaise trap; FinLoc21, 24 July–6 August 2010, 2♂♂1♀, Malaise trap; FinLoc42, 17–26 July 2010, 1♂9♀♀; 26 July–25 August 2010, 4♂♂5♀♀,

Malaise trap; FinLoc65, 24 June–20 July 2010, 2♂♂5♀♀, Malaise trap.

Remarks. This widespread species seems to appear in two forms in Fennoscandia, one with a completely dusted thorax in southern, coastal areas and one with the thorax polished in northern or alpine areas, thus resembling *P. longicornis* (Meigen). For a discussion on the two forms, see Jonassen (1988). Not previously recorded from Finnmark, but there might be specimens of this species among those previously recorded from the region as *P. longicornis*.

***Platypalpus brevicornis* (Zetterstedt, 1842)**

Additional material. FV, Alta: Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

***Platypalpus ciliaris* (Fallén, 1816)**

Additional material. FV, Alta: Eiby, Valsetmoen, N69.89373° E23.22674°, 8 August–10 September 1995, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 1♀, Malaise trap, leg. H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 4 August–26 September 1996, 3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

***Platypalpus confiformis* Chvála, 1971**

Material. FinLoc08, 11–26 June 2010, 1♀; 10–23 July 2010, 1♀, Malaise trap; FinLoc19, 9–24 July 2010, 1♂1♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 1♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 2♂♂3♀♀, light trap, leg. L.O. Hansen & H. Rinden; 4 July–18 August 1997, 1♀, Malaise trap, leg. H. Rinden.

***Platypalpus confinis* (Zetterstedt, 1842)**

Material. FinLoc05, 10–23 July 2010, >50♂♂ >50♀♀; 23 July–7 August 2010, >50♂♂ >50♀♀;

7–24 August 2010, >50♂♂>50♀♀; 24–30 August 2010, 2♂♂2♀♀, Malaise trap; FinLoc08, 10–23 July 2010, 21♂♂3♀♀; 23 July–7 August 2010, >50♂♂>50♀♀, Malaise trap; FinLoc19, 24 July–6 August 2010, 6♂♂5♀♀; 6–20 August 2010, 3♂♂3♀♀, Malaise trap; FinLoc21, 9–24 July 2010, 3♂♂3♀♀; 24 July–6 August 2010, >50♂♂>50♀♀; 6–20 August 2010, 11♂♂22♀♀, Malaise trap; FinLoc42, 15 June–2 July 2010, 1♂; 17–26 July 2010, 15♂♂10♀♀; 26 July–25 August 2010, >50♂♂>50♀♀; 25 August–3 September 2010, 5♀♀, Malaise trap; FinLoc56, 2–17 July 2010, 11♂♂7♀♀; 17–26 July 2010, 34♂♂17♀♀; 26 July–25 August 2010, 13♂♂15♀♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 11♂♂5♀♀; 20–30 July 2010, 15♂♂10♀♀; 30 July–10 August 2010, 4♂♂15♀♀, Malaise trap; FinLoc81, 24 June–20 July 2010, >50♂♂>50♀♀; 30 July–10 August 2010, >50♂♂>50♀♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 1♀; 8 August–10 September 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 5♂♂14♀♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 2♂♂1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 2♀♀, light trap, leg. L.O. Hansen & H. Rinden; 4 July–18 August 1997, 1♂3♀♀, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 2♂♂3♀♀; 6 August–25 September 1996, 5♂♂5♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 7♂♂8♀♀; 4 August–26 September 1996, 2♂♂2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Platypalpus cursitans (Fabricius, 1775)

Material. FinLoc05, 10–23 July 2010, 5♀♀; 23 July–7 August 2010, 30♀♀, Malaise trap; FinLoc08, 10–23 July 2010, 2♀♀; 23 July–7 August 2010, 3♀♀, Malaise trap; FinLoc56, 2–17 July 2010, 13♀♀; 17–26 July 2010, 25♀♀; 26 July–25 August 2010, 6♀♀, Malaise trap;

FinLoc65, 30 July–10 August 2010, 1♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 19♀♀; 30 July–10 August 2010, 9♀♀, Malaise trap.

Additional material. FV, Alta: Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 2♀♀, light trap, leg. L.O. Hansen & H. Rinden; 4 July–18 August 1997, 11♀♀, Malaise trap, leg. H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 1♂55♀♀; 21 June–4 August 1996, 1♂ 9♀♀; 4 August–25 September 1996, 3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Platypalpus ecalceatus (Zetterstedt, 1838)

Material. FinLoc08, 23 July–7 August 2010, 1♀, Malaise trap; FinLoc21, 9–24 July 2010, 20♀♀; 24 July–6 August 2010, 24♀♀, Malaise trap; FinLoc42, 17–26 July 2010, 11♀♀; 26 July–25 August 2010, 22♀♀, Malaise trap; FinLoc56, 17–26 July 2010, 1♂1♀; 26 July–25 August 2010, 4♀♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 11 June–3 July 1995, 1♀; 3 July–8 August 1995, 16♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 12♀♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 10 June–6 July 1995, 1♂; 6 July–8 August 1995, 2♂♂1♀; 8 August–10 September 1995, 2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 1♀, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 9♂♂81♀♀; 6 August–25 September 1996, 1♂3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 27♀♀; 4 August–25 September 1996, 2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 12♀♀; 4 August–26 September 1996, 2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

***Platypalpus excavatus* Yang & Yao, 2007**

Additional material. FV, Alta: Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 2♂♂, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 9♂♂, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. First recorded from Norway as *P. excisus* (Becker, 1907) from Troms (TRY) by Jonassen (1988). It has later been collected in Buskerud (BV), Sør-Trøndelag (STI) and Nordland (NSY). Not previously recorded from Finnmark.

***Platypalpus hackmani* Chvála, 1972**

Material. FinLoc08, 10–23 July 2010, 1♀, Malaise trap; FinLoc19, 9–24 July 2010, 1♂; 6–20 August 2010, 1♀, Malaise trap; FinLoc21, 25 June–9 July 2010, 1♀; 9–24 July 2010, 1♀, Malaise trap.

***Platypalpus laestadianorum* (Frey, 1913)**

Material. FinLoc08, 10–23 July 2010, 4♂♂3♀♀; 23 July–7 August 2010, 4♂♂1♀, Malaise trap; FinLoc19, 25 June–9 July 2010, 5♂♂; 9–24 July 2010, 4♂♂; 24 July–6 August, 2010, 17♂♂3♀♀; 6–20 August 2010, 1♂, Malaise trap; FinLoc21, 25 June–9 July 2010, 15♂♂2♀♀; 9–24 July 2010, 40♂♂2♀♀; 24 July–6 August, 2010, >50♂♂>50♀♀; 6–20 August 2010, 3♀♀, Malaise trap; FinLoc42, 15 June–2 July 2010, 1♂; 17–26 July 2010, 11♂♂1♀; 26 July–25 August 2010, 6♂♂5♀♀, Malaise trap; FinLoc56, 2–17 July 2010, 1♂; 17–26 July 2010, 2♂♂; 26 July–25 August 2010, 1♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 2♂♂5♀♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

***Platypalpus lapponicus* Frey, 1943**

Material. FinLoc08, 26 June–10 July 2010, 4♂♂1♀, Malaise trap; FinLoc19, 9–24 July 2010, 1♀; 6–20 August 2010, 1♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Elvestrand,

N69.95189° E23.26481°, 4 July–18 August 1997, 1♀, Malaise trap, leg. H. Rinden.

***Platypalpus longicornis* (Meigen, 1822)**

Material. FinLoc56, 25 August–3 September 2010, 1♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 2♀♀, Malaise trap, leg. H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 3♀♀, light trap, leg. L.O. Hansen & H. Rinden; 4 July–18 August 1997, 4♂♂2♀♀, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 1♂6♀♀, Malaise trap, leg. L. O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♀; 4 August–26 September 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

***Platypalpus luteicornis* (Meigen, 1838)**

Syn. *Platypalpus difficilis* Frey, 1907

Material. FinLoc05, 10–23 July 2010, 2♂♂, Malaise trap.

Remarks. A common species in Fennoscandia. First recorded from Norway as *P. difficilis* Frey by Jonassen (1984). It has since proven to occur in most districts in Norway. Not previously recorded from Finnmark.

***Platypalpus luteus* (Meigen, 1804)**

Additional material. FV, Alta: Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 1♂, Malaise trap, leg. H. Rinden.

***Platypalpus macula* (Zetterstedt, 1842)**

Material. FinLoc05, 10–23 July 2010, 13♂♂7♀♀; 23 July–7 August 2010, 13♂♂9♀♀; 7–24 August 2010, 3♂♂3♀♀, Malaise trap; FinLoc08, 23 July–7 August 2010, 1♂1♀, Malaise trap; FinLoc19, 25 June–9 July 2010, 1♂; 24 July–6 August 2010, 3♂♂, Malaise trap; FinLoc21, 24 July–6 August 2010, 4♂♂2♀♀, Malaise

trap; FinLoc42, 17–26 July 2010, 4♂♂1♀; 26 July–25 August 2010, 16♂♂5♀♀; 25 August–3 September 2010, 1♂, Malaise trap; FinLoc56, 17–26 July 2010, 2♂♂2♀♀; 26 July–25 August 2010, 2♂♂5♀♀; 25 August–3 September 2010, 3♂♂2♀♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♂; 20–30 July 2010, 2♀♀; 30 July–10 August 2010, 1♂1♀; 21 August–6 September 2010, 3♀♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 8♂♂9♀♀; 30 July–10 August 2010, 5♂♂11♀♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 3♀♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 1♂3♀♀; 8 August–10 September 1995, 3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 1♀, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 14♂♂22♀♀; 6 August–25 September 1996, 1♂14♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 1♀; 21 June–4 August 1996, 1♀; 4 August–25 September 1996, 3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 3♂♂4♀♀; 4 August–26 September 1996, 2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Platypalpus nigricoxa (Mik, 1884)

Material. FinLoc08, 10–23 July 2010, 1♂, Malaise trap; FinLoc42, 15 June–2 July 2010, 1♀; 26 July–25 August 2010, 1♀, Malaise trap; FinLoc56, 17–26 July 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 12♂♂19♀♀; 4 August–26 September 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Platypalpus nigratarsis (Fallén, 1816)

Material. FinLoc05, 7–24 August 2010,

2♀♀, Malaise trap; FinLoc08, 7–24 August 2010, 3♀♀, Malaise trap; FinLoc19, 6–20 August 2010, 4♀♀, Malaise trap; FinLoc21, 24 July–6 August 2010, 4♂♂7♀♀; 6–20 August 2010, 3♂♂5♀♀, Malaise trap; FinLoc42, 26 July–25 August 2010, 7♂♂7♀♀; 25 August–3 September 2010, 1♂1♀, Malaise trap; FinLoc56, 26 July–25 August 2010, 3♂♂1♀; 25 August–3 September 2010, 1♂1♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♂; 20–30 July 2010, 6♂♂6♀♀; 30 July–10 August 2010, 6♂♂12♀♀; 10–21 August 2010, 1♂1♀; 21 August–6 September 2010, 6♀♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 2♀♀; 30 July–10 August 2010, 2♂♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 7♂♂10♀♀; 8 August–10 September 1995, 30♂♂58♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 5♂♂14♀♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 10 June–6 July 1995, 1♂; 6 July–8 August 1995, 18♂♂73♀♀; 8 August–10 September 1995, 61♂♂187♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 2♂♂, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 6♂♂; 6 August–25 September 1996, 34♂♂67♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 1♂17♀♀; 21 June–4 August 1996, 4♂♂3♀♀; 4 August–25 September 1996, 14♂♂12♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 2♂♂5♀♀; 4 August–26 September 1996, 16♂♂26♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Platypalpus scandinavicus Chvála, 1972

Material. FinLoc05, 23 July–7 August 2010, 1♀; 7–24 August 2010, 2♀♀, Malaise trap; FinLoc56, 17–26 July 2010, 2♀♀; 26 July–25 August 2010, 1♂2♀♀, Malaise trap; FinLoc65, 20–30 July 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8

August 1995, 9♂15♀♀; 8 August–10 September 1995, 1♂5♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 4♂♂5♀♀, Malaise trap, leg. H. Rinden; Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 16♂♂25♀♀, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 1♀; 6 August–25 September 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

***Platypalpus sordidus* (Zetterstedt, 1838)**

Material. FinLoc21, 9–24 July 2010, 1♂; 24 July–6 August 2010, 2♂♂1♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 1♀, Malaise trap.

Remarks. A predominantly northern species in Fennoscandia, distributed in Sweden, Finland, Estonia and North and Northwest Russia (Chvála 2013b). Not previously recorded from Norway.

***Platypalpus stigmatellus* (Zetterstedt, 1842)**

Material. FinLoc05, 10–23 July 2010, 5♂♂3♀♀; 23 July–7 August 2010, 23♂♂4♀♀; 7–24 August 2010, >50♂♂>50♀♀, Malaise trap; FinLoc08, 23 July–7 August 2010, 20♂♂3♀♀; 24–30 August 2010, 1♀, Malaise trap; FinLoc19, 24 July–6 August 2010, 2♂♂3♀♀; 6–20 August 2010, 1♂2♀♀, Malaise trap; FinLoc21, 9–24 July 2010, 2♂♂3♀♀; 24 July–6 August 2010, >50♂♂>50♀♀; 6–20 August 2010, 33♂♂13♀♀, Malaise trap; FinLoc42, 17–26 July 2010, 1♂2♀♀; 26 July–25 August 2010, >50♂♂>50♀♀; 25 August–3 September 2010, 1♂10♀♀, Malaise trap; FinLoc56, 2–17 July 2010, 12♂♂1♀; 17–26 July 2010, >50♂♂>50♀♀; 26 July–25 August 2010, >50♂♂>50♀♀; 25 August–3 September 2010, 4♂♂3♀♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 12♂♂2♀♀; 20–30 July 2010, >50♂♂>50♀♀; 30 July–10 August 2010, >50♂♂>50♀♀; 10–21 August 2010, 9♀♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 13♂♂6♀♀; 30 July–10 August 2010, 3♂♂6♀♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 3♀♀; 8 August–10 September 1995, 4♂♂1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 7♂♂21♀♀,

Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 3♂♂6♀♀; 8 August–10 September 1995, 4♂♂10♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 16♂♂33♀♀, light trap, leg. L.O. Hansen & H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 4♂♂13♀♀; 6 August–25 September 1996, 3♂♂4♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 1♀; 4 August–25 September 1996, 1♂7♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♂1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

***Platypalpus tuomikoskii* Chvála, 1972**

Material. FinLoc05, 23 July–7 August 2010, 2♀♀, Malaise trap; FinLoc56, 17–26 July 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 8♂♂18♀♀; 6 August–25 September 1996, 2♂♂22♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 7♂♂7♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. A rather uncommon species with scattered records from Fennoscandia. First recorded from Norway from Akershus (AK) by Jonassen (1988). In addition, there is material from Østfold (Ø), Buskerud (BØ, BV), Hordaland (HOY, HOI) and inner Møre and Romsdal (MRI). Not previously recorded from Finnmark.

***Platypalpus unguiculatus* (Zetterstedt, 1838)**

Material. FinLoc05, 23 July–7 August 2010, 1♂2♀♀, Malaise trap; FinLoc08, 10–23 July 2010, 4♂♂3♀♀; 23 July–7 August 2010, 10♂♂9♀♀, Malaise trap; FinLoc19, 24 July–6 August 2010, 1♀, Malaise trap; FinLoc21, 24 July–6 August 2010, 1♂3♀♀, Malaise trap; FinLoc42, 26 July–25 August 2010, >50♂♂>50♀♀; 25 August–3 September 2010, 2♀♀, Malaise trap; FinLoc56, 2–17 July 2010, 1♂, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♂, Malaise trap; FinLoc81,

24 June–20 July 2010, 1♀, Malaise trap.

***Platypalpus verralli* (Collin, 1926)**

Additional material. FV, Alta: Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 1♀, light trap, leg. L.O. Hansen & H. Rinden.

Remarks. A common species in southern Norway becoming rarer towards the north. Not previously recorded from Finnmark.

***Platypalpus zetterstedti* Chvála, 1971**

Material. FinLoc65, 24 June–20 July 2010, 1♂1♀, Malaise trap.

Remarks. A rare species in Fennoscandia. First recorded from Norway from the Dovre Mountains in inner Sør-Trøndelag (STI) by Jonassen (1998). Not previously recorded from Finnmark.

***Platypalpus* n. sp. A**

Material. FinLoc56, 2–17 July 2010, 2♂♂; 26 July–25 August 2010, 1♂, Malaise trap.

Remarks. The species will be described elsewhere.

***Platypalpus* n. sp. B**

Material. FinLoc05, 10–23 July 2010, 1♂; 23 July–7 August 2010, 1♂; 7–24 August 2010, 1♂, Malaise trap; FinLoc08, 10–23 July 2010, 3♂♂; 23 July–7 August 2010, 6♂♂; 7–24 August 2010, 1♀, Malaise trap; FinLoc21, 24 July–6 August 2010, 7♂♂, Malaise trap; FinLoc42, 25 August–3 September 2010, 6♂♂, Malaise trap; FinLoc56, 17–26 July 2010, 6♂♂; 26 July–25 August 2010, 2♂♂, Malaise trap; FinLoc81, 24 June–20 July 2010, 9♂♂, Malaise trap.

Remarks. The species will be described elsewhere.

***Symbalophthalmus dissimilis* (Fallén, 1815)**

Material. FinLoc05, 10–23 July 2010, 8♂♂17♀♀; 23 July–7 August 2010, >50♂♂ >50♀♀; 7–24 August 2010, 5♂♂6♀♀, Malaise trap; FinLoc08, 11–26 June 2010, 1♀; 26 June–10 July 2010, 8♂♂7♀♀; 10–23 July 2010, >50♂♂>50♀♀; 7–24 August 2010, >50♂♂ >50♀♀; 24–30 August 2010, 8♂♂7♀♀, Malaise trap.

Additional material. FV, Alta: Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 2♂♂, light trap, leg. L.O. Hansen & H. Rinden.

Remarks. A predominantly northern species in Fennoscandia with scattered records from Norway. Not previously recorded from Finnmark.

***Tachydromia incompleta* (Becker, 1900)**

Material. FinLoc05, 23 July–7 August 2010, 1♂, Malaise trap; FinLoc08, 11–26 June 2010, 1♀; 26 June–10 July 2010, 2♂♂; 10–23 July 2010, 1♂1♀; 23 July–7 August 2010, 1♂4♀♀; 24–30 August 2010, 1♀, Malaise trap; FinLoc19, 24 July–6 August 2010, 1♂, Malaise trap; FinLoc21, 24 July–6 August 2010, 1♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♂, Malaise trap; FinLoc81, 30 July–10 August 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 1♀; 8 August–10 September 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 1♀, Malaise trap, leg. H. Rinden; Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 3♂♂17♀♀, Malaise trap, leg. H. Rinden.

***Tachydromia morio* (Zetterstedt, 1838)**

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 11 June–3 July 1995, 1♀; 3 July–8 August 1995, 2♂♂1♀, Malaise trap, leg. L.O. Hansen & H. Rinden. FØ, Sør-Varanger: Kirkenes, Prestøya, N69.72410° E30.08687°, 5 August 1996, 1♀, leg. J. Skartveit.

***Tachydromia punctifera* (Becker, 1900)**

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 6 August–25 September 1996, 1♂, Malaise trap, leg. L. O. Hansen & H. Rinden.

Remarks. Recorded from Norway by Chvála (1975) based on 2 males collected by Siebke at Fokstua in Oppland (ON). The present male represents the third known Norwegian specimen and is the first record of the species from Finnmark.

***Tachydromia umbrarum* Haliday, 1833**

Material. FinLoc65, 30 July–10 August 2010, 1♂, Malaise trap.

Remarks. A very common species in Fennoscandia. Not previously recorded from Finnmark.

***Tachypeza fennica* Tuomikoski, 1932**

Material. FinLoc05, 10–23 July 2010, 1♂3♀, Malaise trap; FinLoc08, 10–23 July 2010, 1♂1♀; 23 July–7 August 2010, 3♀, Malaise trap; FinLoc42, 25 August–3 September 2010, 1♀, Malaise trap; FinLoc56, 2–17 July 2010, 2♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 1♂, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 10 June–6 July 1995, 1♀; 6 July–8 August 1995, 1♂3♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 2♂♂1♀, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 9♂♂2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Tachypeza heeri* Zetterstedt, 1838**

Material. FinLoc19, 24 July–6 August 2010, 1♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 2♀♀, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 4♂♂1♀; 6 August–25 September 1996, 1♂1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 16♂♂15♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. A predominantly northern species in Fennoscandia with scattered Norwegian records. Not previously recorded from Finnmark.



FIGURE 3. *Tachypeza nubila* (Meigen, 1804), male, from Finnmark, northern Norway. Photo: Linn K. Hagenlund.

***Tachypeza nubila* (Meigen, 1804) (Figure 3)**

Material. FinLoc05, 23 July–7 August 2010, 3♂♂, Malaise trap; FinLoc08, 23 July–7 August 2010, 4♀♀; 24–30 August 2010, 1♂, Malaise trap; FinLoc19, 24 July–6 August 2010, 1♂, Malaise trap; FinLoc42, 17–26 July 2010, 2♂♂; 26 July–25 August 2010, 13♂♂2♀♀, Malaise trap; FinLoc56, 26 July–25 August 2010, 1♂, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♂; 20–30 July 2010, 8♂♂1♀; 30 July–10 August 2010, 9♂♂6♀♀; 10–21 August 2010, 8♂♂4♀♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 40♂♂54♀♀; 8 August–10 September 1995, 140♂♂39♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 9♂♂13♀♀, Malaise trap, leg. H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 2♂♂, light trap, leg. L.O. Hansen & H. Rinden; 4 July–18 August 1997, 5♂♂3♀♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 10 June–6 July 1995, 2♂♂; 6 July–8 August 1995, 49♂♂61♀♀; 8 August–10 September 1995, 79♂♂41♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 31♂♂41♀♀; 6 August–25 September 1996, 45♂♂46♀♀, Malaise trap, leg.

L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 6♂♂6♀♀; 21 June–4 August 1996, 11♂♂6♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 53♂♂25♀♀; 4 August–26 September 1996, 163♂♂70♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Tachypeza truncorum (Fallén, 1815)

Material. FinLoc08, 11–26 June 2010, 1♂, Malaise trap; FinLoc19, 9–24 July 2010, 1♂, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♂; 20–30 July 2010, 5♂♂1♀; 30 July–10 August 2010, 3♂♂, Malaise trap; FinLoc81, 24 June–20 July 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 11♂♂5♀♀; 4 August–26 September 1996, 7♂♂2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Tachypeza winthemi Zetterstedt, 1838

Material. FinLoc19, 25 June–9 July 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Alta River Camp, N69.92976° E23.26268°, 30 June 1989, 1♀, leg. B. Sagvolden; Bojobæske, N69.79741° E24.18306°, 17 July 1924, 1♂, leg. T. Soot-Ryen (ZMT).

Trichina bilobata Collin, 1926

Material. FinLoc08, 23 July–7 August 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 7♂♂43♀♀; 21 June–4 August 1996, 5♂♂8♀♀; 4 August–25 September 1996, 6♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Trichina elongata Haliday, 1833

Material. FinLoc19, 9–24 July 2010, 4♀♀, Malaise trap; FinLoc42, 17–26 July 2010, 1♂; 26 July–25 August 2010, 3♂♂3♀♀, Malaise trap; FinLoc56, 17–26 July 2010, 3♀♀, Malaise trap.

Additional material. FV, Alta: Detsika,

Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 2♀♀; 8 August–10 September 1995, 3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 1♂7♀♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 5♂♂3♀♀; 8 August–10 September 1995, 3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 1♂1♀, light trap, leg. L.O. Hansen & H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 35♂♂82♀♀; 6 August–25 September 1996, 1♂3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 4♂♂5♀♀; 21 June–4 August 1996, 5♂♂28♀♀; 4 August–25 September 1996, 1♂10♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 4♂♂9♀♀; 4 August–26 September 1996, 3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Trichinomyia fuscipes (Zetterstedt, 1838)

Material. FinLoc05, 10–23 July 2010, 1♀, Malaise trap; FinLoc56, 2–17 July 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 11 June–3 July 1995, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 21 June–4 August 1996, 2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. A northern species not previously recorded from Finnmark.

Family DOLICHOPODIDAE

Campicnemus alpinus (Haliday, 1833)

Material. FinLoc65, 30 July–10 August 2010, 1♂, Malaise trap.

Remarks. First recorded from Norway from Rogaland (RI) by Jonassen (1985). It has later been collected in several provinces in southern Norway (BØ, BV, RY, HOY). Not previously recorded from Finnmark.

***Campicnemus armatus* (Zetterstedt, 1849)**

Material. FinLoc08, 11–26 June 2010, 15♂♂12♀♀; 26 June–10 July 2010, 3♂♂2♀♀; 10–23 July 2010, 1♂, Malaise trap; FinLoc56, 15 June–2 July 2010, 1♂, Malaise trap.

Remarks. First recorded from Norway from Akershus (AK) and Troms (TRY, TRI) by Jonassen (1988). It has later been collected in more provinces in southern Norway (VE, TEY, HOI). Not previously recorded from Finnmark.

***Campicnemus dasycnemus* Loew, 1857**

Syn. *Campicnemus articulatus* (Zetterstedt, 1843)

Material. FinLoc65, 24 June–20 July 2010, 1♂, Malaise trap.

Remarks. Recorded from Central and Northern Europe including Sweden, Finland and Northwest Russia, and from the East Palaearctic (Pollet 2013). Not previously recorded from Norway.

***Campicnemus marginatus* Loew, 1857**

Material. FinLoc08, 11–26 June 2010, 1♂, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Campicnemus scambus* (Fallén, 1823)**

Material. FinLoc65, 24 June–20 July 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 1♂, light trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Chrysotus femoratus* Zetterstedt, 1843**

Additional material. FV, Alta: Gargia, N69.80596° E23.50197°, 6 August–25 September 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 3♂♂2♀♀; 1 June–4 August 1996, 8♂; 4 August–25 September 1996, 6♂♂4♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Dolichopus acuticornis* Wiedemann, 1817**

Material. FinLoc81, 24 June–20 July 2010, 1♀; 10–21 August 2010, 1♀, Malaise trap.

Remarks. First recorded from Norway from Rogaland (RY) by Jonassen (1985). No further material is available from Norway. Not previously recorded from Finnmark.

***Dolichopus armillatus* Wahlberg, 1850**

Material. FinLoc65, 24 June–20 July 2010, 11♀♀; 20–30 July 2010, 4♂♂7♀♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 1♀, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Dolichopus brevipennis* Meigen, 1824**

Material. FinLoc19, 24 July–6 August 2010, 4♂♂1♀, Malaise trap; FinLoc21, 24 July–6 August 2010, 1♀; 6–20 August 2010, 1♂1♀, Malaise trap.

Additional material. FV, Alta: Skjæragenta (Åvangen), N69.84102° E23.42047°, 24 June 1984, 1♂, T.R. Nielsen leg. FØ, Sør-Varanger: Noatun, Pasvik, N69.16532° E29.24579°, 17–18 July 1989, 1♀, leg. T.R. Nielsen.

Remarks. Not previously recorded from Finnmark.

***Dolichopus caligatus* Wahlberg, 1850**

Material. FinLoc21, 24 July–6 August 2010, 1♂1♀, Malaise trap.

Remarks. First recorded from Norway from Rogaland (RI) by Jonassen (1985). It has later been collected in several provinces in South and Central Norway (VAY, RY, HOY, STI). Not previously recorded from Finnmark.

***Dolichopus fraterculus* Zetterstedt, 1843**

(Figure 4)

Material. FinLoc65, 24 June–20 July 2010, 17♂♂28♀♀; 20–30 July 2010, 13♂♂8♀♀; 30 July–10 August 2010, 3♂♂1♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 2♀♀, Malaise trap.

Remarks. Not previously recorded from Finnmark.



FIGURE 4. *Dolichopus fraterculus* Zetterstedt, 1843, male, from Finnmark, northern Norway. Photo: Linn K. Hagenlund.

***Dolichopus latipennis* Fallén, 1823**

Additional material. FN, Tana: Leirpollskogen, N70.43968° E28.50386°, 27–28 June 2002, 1♂, leg. T.R. Nielsen.

Remarks. Not previously recorded from Finnmark.

***Dolichopus lepidus* Staeger, 1842**

Material. FinLoc08, 23 July–7 August 2010, 1♂1♀, Malaise trap; FinLoc21, 24 July–6 August 2010, 1♂, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 1♂1♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 1♂9♀♀, Malaise trap, leg. H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 4 August–25 September 1996, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden.

***Dolichopus longicornis* Stannius, 1831**

Material. FinLoc56, 25 August–3 September 2010, 1♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 1♂, Malaise trap, leg. H. Rinden.

Remarks. Listed for Finnmark by Jonassen

(1996b), but without exact locality information.

***Dolichopus maculipennis* Zetterstedt, 1843**

Material. FinLoc65, 24 June–20 July 2010, 1♂, Malaise trap; FinLoc81, 24 June–20 July 2010, 1♀, Malaise trap.

Additional material. FN, Porsanger: Lakselv, N70.05123° E24.97174°, 26–27 June 1979, 2♂♂, leg. T.R. Nielsen.

Remarks. Not previously recorded from Finnmark.

***Dolichopus nigricornis* Meigen, 1824**

Syn. *Dolichopus discifer* Stannius, 1831

Material. FinLoc05, 23 July–7 August 2010, 1♂1♀, Malaise trap; FinLoc08, 23 July–7 August 2010, 8♂♂9♀♀, Malaise trap; FinLoc42, 17–26 July 2010, 2♀♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♂; 30 July–10 August 2010, 1♂1♀, Malaise trap; FinLoc81, 24 June–20 July 2010, 5♂♂6♀♀; 30 July–10 August 2010, 2♂♂2♀♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 3♂♂6♀♀; 6 August–25 September 1996, 4♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 4 August–25 September 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Dolichopus nubilus* Meigen, 1824**

Additional material. FV, Måsøy: Rolvsøy, Gunnarnes, N70.99842° E24.11651°, July 1992, 1♀, leg. P. Tangen.

Remarks. Not previously recorded from Finnmark.

***Dolichopus pennatus* Meigen, 1824**

Additional material. FV, Alta: Elvebakken, N69.97855° E23.33670°, 5 July 1979, 7♂♂, leg. T.R. Nielsen.

Remarks. Not previously recorded from Finnmark.

***Dolichopus picipes* Meigen, 1824**

Material. FinLoc08, 23 July–7 August 2010, 1♂1♀, Malaise trap.

Additional material. FV, Alta: Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♂; 4 August–26 September 1996, 1♂2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Dolichopus plumipes* (Scopoli, 1763)**

Material. FinLoc19, 24 July–6 August 2010, 1♀, Malaise trap; FinLoc21, 6–20 August 2010, 1♂, Malaise trap; FinLoc56, 26 July–25 August 2010, 1♂, Malaise trap; FinLoc81, 30 July–10 August 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 2♂♂4♀♀, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 38♂♂49♀♀; 6 August–25 September 1996, 2♂♂8♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Listed for Finnmark by Jonassen (1996b), but without exact locality information.

***Dolichopus rupestris* Haliday, 1833**

Material. FinLoc19, 24 July–6 August 2010, 1♂4♀♀; 6–20 August 2010, 1♂2♀♀, Malaise trap; FinLoc21, 24 July–6 August 2010, 3♂♂13♀♀, Malaise trap; FinLoc42, 26 July–25 August 2010, 2♀♀, Malaise trap; FinLoc56, 17–26 July 2010, 6♀♀; 26 July–25 August 2010, 10♀♀, Malaise trap; FinLoc65, 20–30 July 2010, 3♂♂5♀♀; 30 July–10 August 2010, 1♂13♀♀; 10–21 August 2010, 1♂2♀♀, Malaise trap; FinLoc81, 30 July–10 August 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 1♂3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 4♂♂3♀♀, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 4♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Gargia, N69.80596° E23.50197°, 22

June–6 August 1996, 10♂♂13♀♀; 6 August–25 September 1996, 2♂♂4♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 1♂2♀♀; 4 August–25 September 1996, 3♂♂4♀♀, Malaise trap, leg. L. O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 2♂♂1♀; 4 August–26 September 1996, 3♂♂3♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Dolichopus simplex* Meigen, 1824**

Additional material. FV, Alta: Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 1♂2♀♀, light trap, leg. L.O. Hansen & H. Rinden; 4 July–18 August 1997, 32♂♂64♀♀, Malaise trap, leg. H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Dolichopus stenhammari* Zetterstedt, 1843**

Syn. *Dolichopus annulipes* Zetterstedt, 1838

Material. FinLoc08, 23 July–7 August 2010, 2♀♀, Malaise trap; FinLoc19, 9–24 July 2010, 1♂, Malaise trap; FinLoc56, 2–17 July 2010, 2♀♀, Malaise trap; FinLoc65, 19–24 June 2010, 6♂♂11♀♀; 24 June–20 July 2010, 8♂♂20♀♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 1♂4♀♀, Malaise trap, leg. H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Dolichopus unguilatus* (Linnaeus, 1758)**

Material. FinLoc65, 24 June–20 July 2010, 1♂, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Dolichopus urbanus* Meigen, 1824**

Material. FinLoc42, 17–26 July 2010, 2♂♂6♀♀; 26 July–25 August 2010, 5♂♂7♀♀; 25 August–3 September 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16

July 1996, 1♂, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 6 August–25 September 1996, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden. FØ, Sør-Varanger: Skogfoss, N69.37431° E29.69320°, 21 July 1969, 1♂, leg. T.R. Nielsen.

Remarks. Listed for Finnmark by Jonassen (1996b), but without exact locality information.

Dolichopus vitripennis Meigen, 1824

Additional material. FV, Alta: Gargia, N69.80596° E23.50197°, 6 August–25 September 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

Hercostomus sahlbergi (Zetterstedt, 1838)

Material. FinLoc05, 23 July–7 August 2010, 6♀♀, Malaise trap; FinLoc21, 24 July–6 August 2010, 3♂♂1♀, Malaise trap; FinLoc42, 26 July–25 August 2010, 1♂9♀♀, Malaise trap; FinLoc65, 30 July–10 August 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 3♂♂4♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 6 July–8 August 1995, 3♂♂11♀♀; 8 August–10 September 1995, 5♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 3♂♂7♀♀, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 4♂♂11♀♀; 6 August–25 September 1996, 3♂♂12♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 4♂♂5♀♀; 1 June–4 August 1996, 15♂♂10♀♀; 4 August–25 September 1996, 23♂♂38♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 34♂♂46♀♀; 4 August–26 September 1996, 26♂♂35♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

Hydrophorus albiceps Frey, 1915

Additional material. FV, Alta: Joatkajåvre,

N69.75480° E23.93408°, 1♂, leg. T. Soot-Ryen (ZMT).

Remarks. Listed for Finnmark by Jonassen (1996b), but without exact locality information.

Hydrophorus alpinus Wahlberg, 1844

Material. FinLoc08, 11–26 June 2010, 2♂♂, Malaise trap.

Additional material. FV, Måsøy: Rolvsøy, Gunnarnes, N70.99842° E24.11651°, August 1992, 1♂, leg. P. Tangen.

Remarks. Listed for Finnmark by Jonassen (1996b), but without exact locality information.

Hydrophorus borealis Loew, 1857

Material. FinLoc08, 26 June–10 July 2010, 1♂, Malaise trap.

Remarks. Listed for Finnmark by Jonassen (1996b), but without exact locality information.

Hydrophorus geminus Frey, 1915

Material. FinLoc19, 25 June–9 July 2010, 1♂, Malaise trap.

Remarks. Recorded from Sweden, Finland and North Russia and from the East Palaearctic (Pollet 2013). Not previously recorded from Norway.

Hydrophorus pilipes Frey, 1915

Additional material. FV, Alta: Mattisdalen South, N69.95956° E23.40562°, 4 August–26 September 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Listed for Finnmark by Jonassen (1996b), but without exact locality information.

Hydrophorus praecox (Lehmann, 1822)

Material. FinLoc08, 11–26 June 2010, 1♂, Malaise trap.

Remarks. Not previously recorded from Finnmark.

Liancalus virens (Scopoli, 1763)

Additional material. FV, Alta: Gargia, N69.80596° E23.50197°, 6 August–25 September 1996, 1♂4♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 4 August–26 September 1996, 1♂,

Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Medetera abstrusa* Thuneberg, 1955**

Material. FinLoc21, 25 June–9 July 2010, 1♂, Malaise trap; FinLoc56, 26 July–25 August 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, N69.86255° E23.33996°, 24 June–16 July 1996, 1♂, Malaise trap, leg. H. Rinden; Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. First recorded from Norway from Akershus (AK) and Rogaland (RY) by Jonassen (1988). It has subsequently proven to be one of the most common species of the genus in Norway. Not previously recorded from Finnmark.

***Medetera acanthura* Negrobov & Thuneberg, 1970**

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 1♂, Malaise trap, leg. H. Rinden.

Remarks. First recorded from Norway from Akershus (AK) by Jonassen (1988). It has later been collected in several provinces in South and Central Norway (BØ, BV, AAY, HOY, MRY, NTI). Not previously recorded from Finnmark.

***Medetera apicalis* (Zetterstedt, 1843)**

Material. FinLoc81, 24 June–20 July 2010, 1♂, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Medetera belgica* Parent, 1936 (*sensu* Negrobov)**

Material. FinLoc65, 30 July–10 August 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 6♂♂6♀♀; 6 August–25 September 1996, 25♂♂37♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 9♂; 1 June–4 August 1996, 9♂♂; 4 August–25 September 1996, 49♂♂, Malaise trap, leg. L.O. Hansen

& H. Rinden; Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♂; 4 August–26 September 1996, 10♂♂17♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Grichanov (2006) treats the species as a synonym of *M. muralis* Meigen, 1824. It is, however, a distinct species, showing clear differences in the male genitalia, as figured by Negrobov (1972). But Parent's original description of *M. belgica* was based on a female, which is indistinguishable from the female of *M. muralis*, and there is uncertainty as to whether the male figured by Negrobov is conspecific with Parent's type specimen. *Medetera muralis* and *M. belgica* are both common in Norway, with the latter becoming more widespread than the former towards the north. Not previously recorded from Finnmark.

***Medetera betulae* Ringdahl, 1949**

Additional material. FV, Alta: Kåfjord, Møllenes, N69.94934° E23.06244°, 4 August–25 September 1996, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Medetera borealis* Thuneberg, 1955**

Material. FinLoc08, 23 July–7 August 2010, 1♂, Malaise trap; FinLoc42, 26 July–25 August 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Mattisdalen South, N69.95956° E23.40562°, 23 June–4 August 1996, 4♂♂5♀♀; 4 August–26 September 1996, 6♂♂2♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. First recorded from Norway from Rogaland (RY) and Hordaland (HOI) by Jonassen (1988). It has later been collected in several parts of Norway. Not previously recorded from Finnmark.

***Medetera infumata* Loew, 1857**

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 11 June–3 July 1995, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. First recorded from Norway

from Rogaland (RY, RI) by Jonassen (1985). It has subsequently proven to be a common and widespread species in Norway. Not previously recorded from Finnmark.

***Medetera pseudoapicalis* Thuneberg, 1955**

Material. FinLoc05, 7–24 August 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 24 June–16 July 1996, 1♂, Malaise trap, leg. H. Rinden; Elvestrand, N69.95189° E23.26481°, 4 July–18 August 1997, 1♂, Malaise trap, leg. H. Rinden.

Remarks. First recorded from Norway from Hordaland (HOY) by Jonassen (1990). It has later been encountered in several parts of Norway. Not previously recorded from Finnmark.

***Microphor holosericeus* (Meigen, 1804)**

Additional material. FV, Alta: Kåfjord, Møllenes, N69.94934° E23.06244°, 3 July–8 August 1995, 2♂♂24♀♀; 21 June–4 August 1996, 3♂♂27♀♀; 4 August–25 September 1996, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Widely distributed in Fennoscandia and collected in most districts in Norway. Not previously recorded from Finnmark.

***Rhaphium albifrons* Zetterstedt, 1843**

Additional material. FV, Alta: Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 6♂♂4♀♀; 6 August–25 September 1996, 4♀♀, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Rhaphium consobrinum* Zetterstedt, 1843**

Syn. *Rhaphium discolor* Zetterstedt, 1838

Syn. *Rhaphium riparium* (Meigen, 1824)

Material. FinLoc21, 25 June–9 July 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Elvebakken, N69.97855° E23.33670°, 5 July 1979, 2♂♂, leg. T.R. Nielsen.

Remarks. Listed for Finnmark as *R. riparium* (Meigen) by Jonassen (1996b), but without exact locality information.

***Rhaphium crassipes* (Meigen, 1824)**

Material. FinLoc05, 10–23 July 2010, 1♂2♀♀, Malaise trap; FinLoc08, 11–26 June 2010, 4♂♂1♀; 26 June–10 July 2010, 15♂♂5♀♀; 10–23 July 2010, 3♂♂; 23 July–7 August 2010, 3♂♂7♀♀, Malaise trap; FinLoc19, 25 June–9 July 2010, 3♂♂, Malaise trap; FinLoc21, 25 June–9 July 2010, 4♂♂, Malaise trap; FinLoc42, 15 June–2 July 2010, 1♂, Malaise trap; FinLoc56, 2–17 July 2010, 1♂, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♂, Malaise trap; FinLoc81, 30 July–10 August 2010, 1♂, Malaise trap.

Additional material. FV, Alta: Detsika, Buolamalia, N69.86255° E23.33996°, 3 July–8 August 1995, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden; 24 June–16 July 1996, 2♂♂, Malaise trap, leg. H. Rinden; Eiby, Valsetmoen, N69.89373° E23.22674°, 10 June–6 July 1995, 1♀; 6 July–8 August 1995, 1♀, Malaise trap, leg. L.O. Hansen & H. Rinden; Elvestrand, N69.95189° E23.26481°, 18 July–16 September 1996, 3♂♂5♀♀, light trap, leg. L.O. Hansen & H. Rinden.

Remarks. Listed for Finnmark by Jonassen (1996b), but without exact locality information.

***Rhaphium elegantulum* (Meigen, 1824)**

Material. FinLoc08, 11–26 June 2010, 1♂; 26 June–10 July 2010, 5♂♂; 10–23 July 2010, 3♂♂; 23 July–7 August 2010, 1♂, Malaise trap.

Additional material. FI, Kautokeino: Kautokeino, N69.00281° E23.04822°, 3–4 July 1979, 1♂, leg. T.R. Nielsen.

Remarks. Not previously recorded from Finnmark.

***Rhaphium holmgreni* (Mik, 1878)**

Material. FinLoc08, 26 June–10 July 2010, 1♂, Malaise trap.

Remarks. Recorded from Sweden, Finland and Germany (Pollet 2013). Not previously recorded from Norway.

***Rhaphium longicorne* (Fallén, 1823)**

Additional material. FI, Kautokeino: Náhpolšáiva, N69.09458° E23.81804°, 1 July 1992, 1♂, leg. A.T. Mjøs. FN, Berlevåg: Kongsfjorddalen, N70.59941° E29.08544°, 2 July

2002, 1♂, leg. T.R. Nielsen.

Remarks. Not previously recorded from Finnmark.

***Rhaphium monotrichum* Loew, 1850**

Material. FinLoc08, 26 June–10 July 2010, 15♂♂; 10–23 July 2010, 2♂♂; 23 July–7 August 2010, 1♂, Malaise trap; FinLoc19, 25 June–9 July 2010, 1♂, Malaise trap; FinLoc21, 24 July–6 August 2010, 1♂, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Rhaphium nasutum* (Fallén, 1823)**

Material. FinLoc05, 26 June–10 July 2010, 1♂, Malaise trap; FinLoc19, 25 June–9 July 2010, 5♂♂, Malaise trap; FinLoc21, 25 June–9 July 2010, 3♂♂, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Rhaphium nigribarbatum* (Becker, 1900)**

Material. FinLoc08, 26 June–10 July 2010, 34♂♂; 10–23 July 2010, 14♂♂; 23 July–7 August 2010, 9♂♂, Malaise trap.

Additional material. FI, Kautokeino: Kautokeino, N69.00281° E23.04822°, 3–4 July 1979, 1♀, leg. T.R. Nielsen.

Remarks. Not previously recorded from Finnmark.

***Rhaphium patulum* (Raddatz, 1873)**

Material. FinLoc08, 26 June–10 July 2010, 1♂, Malaise trap.

Remarks. Seemingly a rare species in Norway of which we previously have seen material only from Buskerud (BØ). Not previously recorded from Finnmark.

***Rhaphium tridactylum* (Frey, 1915)**

Material. FinLoc08, 26 June–10 July 2010, 1♂, Malaise trap.

Remarks. Recorded from Sweden, Finland and the East Palaearctic (Pollet 2013). Not previously recorded from Norway.

***Rhaphium umbripenne* (Frey, 1915)**

Additional material. FV, Alta: Mattisdalen

South, N69.95956° E23.40562°, 23 June–4 August 1996, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden.

Remarks. Not previously recorded from Finnmark.

***Scellus spinimanus* (Zetterstedt, 1843)**

Material. FinLoc65, 24 June–20 July 2010, 1♀, Malaise trap.

Additional material. FV, Alta: Gargia, N69.80596° E23.50197°, 22 June–6 August 1996, 1♂, Malaise trap, leg. L.O. Hansen & H. Rinden. FI, Kautokeino: Siebe, N68.86580° E23.14257°, 24 June 1984, 1♂, leg. T.R. Nielsen; Suolovuopmi, N69.58648° E23.52994°, 24 June 1984, 1♂, leg. T.R. Nielsen.

Remarks. Not previously recorded from Finnmark.

***Sympycnus desoutterii* Parent, 1925**

Syn. *Sympycnus pulicarius* (Fallén, 1823)

Material. FinLoc21, 24 July–6 August 2010, 1♀, Malaise trap; FinLoc65, 24 June–20 July 2010, 1♀; 30 July–10 August 2010, 2♀♀, Malaise trap.

Remarks. Not previously recorded from Finnmark.

***Syntormon pallipes* (Fabricius, 1794)**

Additional material. FØ, Sør-Varanger: Kirkenes, Prestøya, N69.72410° E30.08687°, 5 August 1996, 1♂2♀♀, leg. J. Skartveit.

Remarks. Not previously recorded from Finnmark.

***Syntormon tarsatum* (Fallén, 1823)**

Additional material. FØ, Sør-Varanger: Neiden, N69.70212° E29.38778°, 7 August 1996, 1♀, leg. J. Skartveit.

Remarks. Not previously recorded from Finnmark.

Discussion

In the present paper, we give new records of 215 species of Empidoidea from Finnmark, of which one species belongs to Brachystomatidae, 88 to

Empididae, 67 to Hybotidae and 59 species to Dolichopodidae. In addition, 10 more species have previously been recorded from Finnmark, namely *Empis* (*Anacrostichus*) *nitida* Meigen and *E. (E.) bicuspadata* Collin by Chvála (1994); *Empis* (*Coptophlebia*) *dasychira* Mik, *Hilara discoidalis* Lundbeck and *H. pseudochorica* Strobl by Chvála (2005); *Kowarzia barbatula* Mik by Jonassen (2009); and *Rhamphomyia* (*Pararhamphomyia*) *lapponica* Frey by Jonassen (1998) (Empididae); *Chersodromia arenaria* (Haliday) and *Platypalpus sahlbergi* (Frey) by Chvála (1983) (Hybotidae) and *Dolichopus cinctipes* Wahlberg by Jonassen (1998) (Dolichopodidae). This brings the total number of Empidoidea so far known to occur in Finnmark to 225 species, represented by one species of Brachystomatidae, 95 of Empididae, 69 of Hybotidae and 60 species of Dolichopodidae (Appendix 1). In addition, *Hydrophorus bipunctata* (Lehmann) was recorded from Finnmark by Siebke (1877) based on material collected by Zetterstedt at Nordkapp in West Finnmark (FV) and included for Finnmark by Jonassen (1996b). However, we find that this record should be verified before adding the species to the list of species occurring in Finnmark.

Of the 215 species of Empidoidea recorded from Finnmark in the present paper, one species of *Hilara* Meigen, one of *Rhamphomyia* Meigen, one of *Clinocera* Meigen (Empididae) and two species of *Platypalpus* Macquart (Hybotidae) are new to science and will all be described in a separate paper. Further, eight species, namely *Rhamphomyia* (*Megacyttarus*) *paradoxa* Wahlberg, *R. (Pararhamphomyia) breviventris* Frey (Empididae), *Bicellaria uvens* Melander, *Oedalea freyi* Chvála, *Platypalpus sordidus* Zetterstedt (Hybotidae), *Campsicnemus articulatus* Loew, *Hydrophorus geminus* Frey, *Rhaphium holmgreni* (Mik) and *R. tridactylum* (Frey) (Dolichopodidae), are recorded for the first time from Norway.

Because of the high species diversity encountered, we could not obtain a sufficient number of DNA barcodes to test for intraspecific genetic variation in most cases. For three species of Dolichopodidae, however, conspecific specimens were available for comparison in the BOLD database (www.boldsystems.org). These were all collected in the Nearctic Region; specifically from Alaska

and Canada. In the genus *Rhaphium*, DNA barcode sequences were available from two species both from Finnmark and North America with no or very little genetic variation. Nearctic and Finnmark specimens of *Rhaphium elegantulum* (Meigen, 1824) showed no difference at all (specimen # DKNWR095–11 in BOLD), and the Alaskan *Rhaphium crassipes* (Meigen, 1824) only differed from our sequenced specimen in a single nucleotide (0.3% divergence, specimens UAMIC888–13 and UAMIC 882–13). Slightly higher divergences were found in *Dolichopus plumipes* (Scopoli, 1763), where the three Alaskan and Canadian specimens were 3.6–3.8% dissimilar from ours (UAMIC904–13, DKNWR033–11 and UAMIC923–13). This is still, however, lower than what is typical for interspecific distances - based on our data set, the mean interspecific distance for Empidoid flies is about 15%. These results suggest that at least in Dolichopodidae there exist real Holarctic species rather than geographically separated cryptic sister species. We plan to expand on this data set in the future with sequencing additional specimens, both from Finnmark and from other localities in Europe.

In terms of the Norwegian fauna, 28 species of Empidoidea are yet known exclusively from Finnmark. It is, however, difficult to give an exact number of species that are "new" to Finnmark. Some of the old records of Empidoidea from Finnmark may be based on misidentifications or incomplete interpretations of species that later have been split into several species, but it was not within the scope of the present project to revise this old material. However, based on Artskart (2013), Chvála (1975, 1983, 1994, 2005) and Jonassen (1988, 1996a, 1996b, 1998, 2009) 126 species have not previously been recorded from Finnmark of which one species belongs to Brachystomatidae, 60 to Empididae, 19 to Hybotidae and 46 species to Dolichopodidae. We also give about 350 new records for the four sub-regions in Finnmark.

At present, the total number of Norwegian Empidoidea stands at 573 species. Thus, the known species from Finnmark constitute about 39% of the Norwegian fauna. Among the individual families, the Empididae is relatively well represented in Finnmark with 48% of the Norwegian fauna, while the Hybotidae and Dolichopodidae constitute 43%

and 25% of the total number of Norwegian species, respectively. This should indicate that the diversity of Dolichopodidae in Finnmark is comparatively low. This assertion is emphasized by the fact that there are relatively few Fennoscandian Dolichopodidae that can be regarded as exclusively boreal, while within both Empididae and Hybotidae there are several typically northern species that replace and thus compensate for species that have a more southern distribution. A typical example here is the subgenus *Pararhampomyia* Frey that is abundant in the northernmost parts of Europe, and comprises several exclusively boreal species.

The conspicuously low number of Dolichopodidae in the material from the Finnmark project is, however, remarkable considering the fact that the project in Finnmark focused on insects inhabiting freshwater and humid habitats (Ekrem *et al.* 2012). Such habitats are especially favored by the Dolichopodidae and ought consequently to yield a high number of species. The low ratio of Dolichopodidae could, however, also be explained by other factors. The present material was mainly collected in Malaise traps. Although some authors (e.g. Pollet & Grootaert 1987) emphasize Malaise traps as an efficient method for collecting Dolichopodidae, this family often seems to be underrepresented in Malaise trap samples in Norway when compared to both Empididae and Hybotidae. Pollet *et al.* (1989) pointed out that Malaise traps are less suitable for large-scale investigations of the Dolichopodidae fauna, mainly because the family appears to be particularly sensitive to variation in the microclimate and other abiotic factors. An interesting example from the project in Finnmark is the notably high diversity of the genus *Rhaphium* Meigen at Storeng (FinLoc08) in Alta, seemingly a locality with optimal conditions for this genus. Alternative sampling techniques, like white water traps, might be a better method for surveying Dolichopodidae during large-scale projects.

Another factor that might affect the number of Dolichopodidae species collected in Malaise traps is the general flight pattern of this family. The species are mostly found among low vegetation, where they are seeking optimal conditions in terms of humidity and temperature. Swarming does not occur and only a few species distribute vertically, making it

less likely for these flies to climb the inner walls of a Malaise trap. Within the Empididae, however, swarming is common, while several members of the Hybotidae commonly climb all kinds of vegetation. Such activities naturally increase the chances for being caught in Malaise traps.

The project in Finnmark increased our knowledge of the biodiversity of the Empidoidea in the region considerably. The study is, however, in no way exhaustive. It focused mainly on freshwater and humid habitats, thus collecting in other habitats, such as drier inland areas or coastal areas, is likely to yield several more species. In addition, as indicated above, the Dolichopodidae is apparently underrepresented in the material. The number of species of Empidoidea will therefore undoubtedly increase when further studies are carried out using other collecting methods, such as water traps or sweep nets.

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References

- Artskart. 2013. *Artskart 1.6*. Artsdatabanken & GBIF-Norge 2007-2013. Available from: <http://artskart.artsdatabanken.no/default.aspx> (31 August 2013).
- Barták, M. & Danielsson, R. 2007. Revision of *Rhampomyia* species (Diptera, Empididae) described by J.W. Zetterstedt. *Acta Zoologica Universitatis Comenianae* 47, 105–114.
- Barták, M. & Kubík, Š. 2013. Species of *Bicellaria* Macquart (Diptera: Hybotidae) of Europe, with descriptions of four new species. *Zootaxa* 3647, 251–278.
- Chvála, M. 1975. *The Tachydromiinae (Dipt. Empididae) of Fennoscandia and Denmark*. (Fauna entomologica Scandinavica, volume 3). 336 pp. Scandinavian Science Press, Klampenborg, Denmark.
- Chvála, M. 1983. *The Empidoidea (Diptera) of Fennoscandia and Denmark. II. General part. The Families Hybotidae, Atelestidae and Microphoridae*.

- (Fauna entomologica Scandinavica, volume 12). 279 pp. Scandinavian Science Press, Copenhagen, Denmark.
- Chvala, M. 1994. *The Empidoidea (Diptera) of Fennoscandia and Denmark. III. Genus Empis*. (Fauna entomologica Scandinavica, volume 29). 192 pp. Brill, New York, Koln.
- Chvala, M. 2005. *The Empidoidea (Diptera) of Fennoscandia and Denmark. IV. Genus Hilara*. (Fauna entomologica Scandinavica, volume 40). 233 pp. Brill, Leiden, Boston.
- Chvala, M. 2013a. *Fauna Europaea: Empididae*. In Pape, T. & Beuk, P. (Eds), Fauna Europaea: Diptera, Nematocera. Fauna Europaea version 2.6.1, <http://www.faunaeur.org> (Accessed: 5 July 2013).
- Chvala, M. 2013b. *Fauna Europaea: Hybotidae*. In Pape, T. & Beuk, P. (Eds), Fauna Europaea: Diptera, Nematocera. Fauna Europaea version 2.6.1, <http://www.faunaeur.org> (Accessed: 5 July 2013).
- Collin, J.E. 1961. *Empididae. British Flies, volume 6*. 782 pp. Cambridge University Press, Cambridge.
- Ekrem, T., Roth, S., Andersen, T., Stur, E., Soli, G. & Halvorsen, G.A. 2012. Insects inhabiting freshwater and humid habitats in Finnmark, northern Norway. *Norwegian Journal of Entomology* 59, 91–107.
- Frey, R. 1913. Zur Kenntnis der Dipterenfauna Finlands. II. Empididae. *Acta Societatis pro Fauna et Flora Fennica* 37(3), 1–89.
- Grihanov, I.Y. 2006. A checklist and keys to North European genera and species of Dolichopodidae (Diptera). *All-Russian Institute of Plant Protection RAAS, St.Petersburg. Plant Protection News Supplement 2006*, 61 pp.
- Jonassen, T. 1984. Some recent records of Hybotidae and Microphoridae (Dipt., Empidoidea) from Norway. *Fauna norvegica, Serie B* 31, 92–95.
- Jonassen, T. 1985. Additions to the Norwegian fauna of Dolichopodidae (Dipt.). *Fauna norvegica, Serie B* 32, 97–99.
- Jonassen, T. 1987. New Norwegian Empididae (s.str.) (Dipt.). *Fauna norvegica, Serie B* 34, 37–40.
- Jonassen, T. 1988. Empidoidea (Dipt.) new to the Norwegian fauna. *Fauna norvegica, Serie B* 33, 71–76.
- Jonassen, T. 1990. Notes on Norwegian Dolichopodidae (Diptera). *Fauna norvegica, Serie B* 37, 105–106.
- Jonassen, T. 1996a. *Empididae Dansefluer*. Pp. 256–258 in Aagaard, K. & Dolmen, D. (Eds), Limnofauna Norvegica. Katalog over norsk ferskvannsf fauna. Tapir, Trondheim.
- Jonassen, T. 1996b. *Dolichopodidae Styletfluer*. Pp. 259–261 in Aagaard, K. & Dolmen, D. (Eds), Limnofauna Norvegica. Katalog over norsk ferskvannsf fauna. Tapir, Trondheim.
- Jonassen, T. 1998. Recent additions to the Norwegian fauna of Empidoidea (Diptera, Brachycera). *Fauna norvegica, Serie B* 45, 63–68.
- Jonassen, T. 2009. Notes on some Empidoidea (Diptera, Brachycera) new to the Norwegian fauna. *Norwegian Journal of Entomology* 56, 20–23.
- Moulton, J.K. & Wiegmann, B.M. 2007. The phylogenetic relationships of flies in the superfamily Empidoidea (Insecta: Diptera). *Molecular Phylogenetics and Evolution* 43, 701–713.
- Negrobov, O.P. 1972. 29. Dolichopodidae pp. 238–256. In: E. Lindner (Ed.): *Die Fliegen der palaearktischen Region 4* (5).
- Okland, K.A. 1981. Inndeling av Norge til bruk ved biogeografiske oppgaver - et revidert Strand-system. *Fauna* 34, 167–178.
- Pollet, M. 2013. *Fauna Europaea: Dolichopodidae*. In Pape, T. & Beuk, P. (Eds), Fauna Europaea: Diptera, Nematocera. Fauna Europaea version 2.6.1, <http://www.faunaeur.org> (Accessed: 5 July 2013).
- Pollet, M. & Grootaert, P. 1987. Ecological data on Dolichopodidae (Diptera) from a woodland ecosystem: I. Colour preference, detailed distribution and comparison of different sampling techniques. *Bulletin d l'Institut royale des Sciences Naturelles de Belgique, Entomologie* 57, 173–186.
- Pollet, M., Grootaert, P. & Meuffels, H. 1989. *Relationship between habitat preference and distribution of dolichopodid flies of Flanders (Dipt., Dolichopodidae)*. Pp. 363–371 in Proceedings of the Symposium 'Invertebrates of Belgium', Brussels 25–26 November 1988.
- Siebke, H. 1877. Enumeratio Insectorum Norvegorum, Fasciculum IV. Catalogum Dipteroorum Continentem. A. W. Brogger, Christiania, 255 pp.
- Sinclair, B.J. & Cumming, J.M. 2006. The morphology, higher-level phylogeny and classification of the Empidoidea (Diptera). *Zootaxa* 1180, 1–172.
- Tamura, K., Peterson, D., Peterson, N., Stecher, G., Nei, M. & Kumar, S. 2011. MEGA5: Molecular Evolutionary Genetics Analysis using Maximum Likelihood, Evolutionary Distance, and Maximum Parsimony Methods. *Molecular Biology and Evolution* 28, 2731–2739. (Available from: www.megasoftware.net/mega.php; accessed: 31 October 2013).
- Zetterstedt, J.W. 1838. *Sectio tertia. Diptera*. Pp. 477–868 in *Insecta Lapponica*. L. Voss, Lipsiae [=Leipzig].

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APPENDIX 1. Distribution of Brachystomatidae, Empididae, Hybotidae and Dolichopodidae in Finnmark based on the revised Strand-system (Økland 1981). For previously published records, numbers refer to the publications or source as follows: ¹Jonassen (1988), ²Chvála (1994), ³Jonassen (1998), ⁴Chvála (2005), ⁵Jonassen (2009), ⁶Chvála (1975), ⁷Chvála (1983), ⁸Artskart (2013). Black dots indicate that new records are given for the sub-region, open dots that the record is based on previously published records only.

SPECIES	FV	FI	FN	FØ
Family BRACHYSTOMATIDAE				
<i>Heleodromia (H.) immaculata</i> Haliday, 1833	●		●	●
Family EMPIDIDAE				
<i>Chelifera concinnicauda</i> Collin, 1927	●	●	●	●
<i>Chelifera flavella</i> (Zetterstedt, 1838)	●	●	●	
<i>Chelifera frigelifii</i> (Zetterstedt, 1838)	●	●		
<i>Chelifera precabunda</i> Collin, 1961				●
<i>Chelifera precatoria</i> (Fallén, 1816)		●	●	●
<i>Chelifera subangusta</i> Collin, 1961			●	
<i>Chelifera trapezina</i> (Zetterstedt, 1838)	●	●	●	
<i>Chelipoda albiseta</i> (Zetterstedt, 1838)				●
<i>Clinocera appendiculata</i> (Zetterstedt, 1838)	●			●
<i>Clinocera nivalis</i> (Zetterstedt, 1838)	●			
<i>Clinocera</i> n. sp. A	●			
<i>Dolichocephala guttata</i> (Haliday, 1833)	●			
<i>Dolichocephala irrorata</i> (Fallén, 1816)	●	●	●	●
<i>Dolichocephala thomasi</i> Wagner, 1983	●			●
<i>Empis (Anacrostichus) lucida</i> Zetterstedt, 1838	● ²	● ²	● ²	● ²
<i>Empis (Anacrostichus) nitida</i> Meigen, 1804		○ ²		
<i>Empis (Coptophlebia) dasychira</i> Mik, 1878				○ ⁴
<i>Empis (Coptophlebia) hyalipennis</i> Fallén, 1816	●		●	
<i>Empis (E.) bicuspidata</i> Collin, 1927	●		●	
<i>Empis (E.) nigripes</i> Fabricius, 1794				○ ²
<i>Empis (Platyptera) borealis</i> Linnaeus, 1758	●		● ²	● ²
<i>Empis (Xanthempis) stercorea</i> Linnaeus, 1761	●		●	
<i>Hemerodromia adulatoria</i> Collin, 1927				●
<i>Hemerodromia raptoria</i> Meigen, 1830		●		
<i>Hilara abdominalis</i> Zetterstedt, 1838	●	●	●	●
<i>Hilara bistrata</i> Zetterstedt, 1842	●	●	● ^{1,4}	●
<i>Hilara chorica</i> (Fallén, 1816)	●	●	● ⁴	●
<i>Hilara clavipes</i> (Harris, 1776)	● ⁴		● ⁴	● ⁴
<i>Hilara discoidalis</i> Lundbeck, 1910				○ ⁴
<i>Hilara diversipes</i> Strobl, 1892	● ⁴		○ ⁴	○ ⁴

APPENDIX 1. continued

SPECIES	FV	FI	FN	FØ
<i>Hilara femorella</i> Zetterstedt, 1842	● ⁴		● ⁴	○ ⁴
<i>Hilara griseola</i> Zetterstedt, 1838	● ⁴	● ⁴	● ⁴	● ⁴
<i>Hilara hybrida</i> Collin, 1961	● ⁴	●	● ⁴	● ⁴
<i>Hilara intermedia</i> (Fallén, 1816)	● ⁴		●	○ ⁴
<i>Hilara interstincta</i> (Fallén, 1816)	● ⁴	●	● ⁴	● ⁴
<i>Hilara nigratarsis</i> Zetterstedt, 1838	●		● ⁴	
<i>Hilara nitidula</i> Zetterstedt, 1838	● ⁴			●
<i>Hilara pilipes</i> Zetterstedt, 1838	● ⁴	●	● ⁴	
<i>Hilara pseudochorica</i> Strobl, 1892			○ ⁴	
<i>Hilara quadrifasciata</i> Chvála, 2002	●			○ ⁴
<i>Hilara scrobiculata</i> Loew, 1873	●			
<i>Hilara submaura</i> Collin, 1927				●
<i>Hilara tanythrix</i> Frey, 1913	●	● ⁴		●
<i>Hilara tenuinervis</i> Zetterstedt, 1838			●	
<i>Hilara</i> n. sp. A		●		●
<i>Iteaphila macquarti</i> Zetterstedt, 1838	●	●		●
<i>Iteaphila nitidula</i> Zetterstedt, 1838		●		●
<i>Kowarzia barbatula</i> Mik, 1880	○ ⁵			
<i>Rhamphomyia (Holoclera) culicina</i> (Fallén, 1816)	●			
<i>Rhamphomyia (Holoclera) sciarina</i> (Fallén, 1816)				●
<i>Rhamphomyia (Holoclera) umbripennis</i> Meigen, 1822	●			
<i>Rhamphomyia (Lundstroemiella) hybotina</i> Zetterstedt, 1838	●	●	●	●
<i>Rhamphomyia (Megacyttarus) anomalina</i> Zetterstedt, 1838	●		●	●
<i>Rhamphomyia (Megacyttarus) anomalipennis</i> Meigen, 1822	●			
<i>Rhamphomyia (Megacyttarus) paradoxa</i> Wahlberg, 1844		●		
<i>Rhamphomyia (Pararhamphomyia) albidiventris</i> Strobl, 1898				●
<i>Rhamphomyia (Pararhamphomyia) albissima</i> Frey, 1913	●			●
<i>Rhamphomyia (Pararhamphomyia) albitarsis</i> Collin, 1926				●
<i>Rhamphomyia (Pararhamphomyia) angulifera</i> Frey, 1913		●	●	
<i>Rhamphomyia (Pararhamphomyia) breviventris</i> Frey, 1913		●		
<i>Rhamphomyia (Pararhamphomyia) caesia</i> Meigen, 1922	●			●
<i>Rhamphomyia (Pararhamphomyia) caudata</i> Zetterstedt, 1838	●	○ ¹		●
<i>Rhamphomyia (Pararhamphomyia) curvula</i> Frey, 1913	●			●
<i>Rhamphomyia (Pararhamphomyia) dentata</i> Oldenberg, 1910	●			
<i>Rhamphomyia (Pararhamphomyia) dispar</i> (Zetterstedt, 1838)	●	●	●	●
<i>Rhamphomyia (Pararhamphomyia) fascipennis</i> Zetterstedt, 1838				●
<i>Rhamphomyia (Pararhamphomyia) fuscipennis</i> Zetterstedt, 1838	●			●
<i>Rhamphomyia (Pararhamphomyia) fuscula</i> Zetterstedt, 1838			●	●

APPENDIX 1. continued

SPECIES	FV	FI	FN	FØ
<i>Rhamphomyia (Pararhamphomyia) geniculata</i> Meigen, 1830	•			•
<i>Rhamphomyia (Pararhamphomyia) lapponica</i> Frey, 1955				○ ³
<i>Rhamphomyia (Pararhamphomyia) lividiventris</i> Zetterstedt, 1838	•	•	•	•
<i>Rhamphomyia (Pararhamphomyia) longestylata</i> Frey, 1916		•		
<i>Rhamphomyia (Pararhamphomyia) modesta</i> Wahlberg, 1844	•		•	
<i>Rhamphomyia (Pararhamphomyia) niveipennis</i> Zetterstedt, 1838	•			
<i>Rhamphomyia (Pararhamphomyia) obscura</i> Zetterstedt, 1838				•
<i>Rhamphomyia (Pararhamphomyia) obscuripennis</i> Meigen, 1830	•			
<i>Rhamphomyia (Pararhamphomyia) pilifer</i> Meigen, 1838	•	•		•
<i>Rhamphomyia (Pararhamphomyia) plumifera</i> Zetterstedt, 1838	•			
<i>Rhamphomyia (Pararhamphomyia) poplitea</i> Wahlberg, 1844	•	•	•	•
<i>Rhamphomyia (Pararhamphomyia) praestans</i> Frey, 1913	•			
<i>Rhamphomyia (Pararhamphomyia) pusilla</i> Zetterstedt, 1838	•		•	
<i>Rhamphomyia (Pararhamphomyia) rufipes</i> (Zetterstedt, 1838)				•
<i>Rhamphomyia (Pararhamphomyia) simplex</i> Zetterstedt, 1849			•	
<i>Rhamphomyia (Pararhamphomyia) unguiculata</i> Frey, 1913				•
<i>Rhamphomyia (Pararhamphomyia) n. sp. A</i>	•			
<i>Rhamphomyia (R.) albosegmentata</i> Zetterstedt, 1838	•	•	•	•
<i>Rhamphomyia (R.) coracina</i> Zetterstedt, 1849	•	•		
<i>Rhamphomyia (R.) dorsata</i> Becker, 1915	•		•	•
<i>Rhamphomyia (R.) ignobilis</i> Zetterstedt, 1859	•	• ¹		
<i>Rhamphomyia (R.) morio</i> Zetterstedt, 1838	•		•	
<i>Rhamphomyia (R.) nitidula</i> Zetterstedt, 1842	•	•	•	•
<i>Rhamphomyia (R.) spinipes</i> (Fallén, 1816)	•			
<i>Rhamphomyia (R.) sulcata</i> (Meigen, 1804)	•		•	•
<i>Rhamphomyia (R.) vesiculosa</i> (Fallén, 1816)	•		•	
<i>Wiedemannia (Philolutra) bohemani</i> (Zetterstedt, 1838)	•			
Familie HYBOTIDAE				
<i>Allanthalia pallida</i> (Zetterstedt, 1838)	•			
<i>Bicellaria intermedia</i> Lundbeck, 1910	•			
<i>Bicellaria nigra</i> (Meigen, 1824)	• ⁸	•	•	•
<i>Bicellaria pilosa</i> Lundbeck, 1910	• ⁸	•	○ ⁶	•
<i>Bicellaria simplicipes</i> (Zetterstedt, 1842)	• ⁶		○ ⁶	○ ⁶
<i>Bicellaria spuria</i> (Fallén, 1816)	•	•	○ ⁶	•
<i>Bicellaria subpilosa</i> Collin, 1926	• ⁶	•	• ⁶	•
<i>Bicellaria sulcata</i> (Zetterstedt, 1842)	• ⁸			
<i>Bicellaria uvens</i> Melander, 1928		•	•	•

APPENDIX 1. continued

SPECIES	FV	FI	FN	FØ
<i>Chersodromia arenaria</i> (Haliday, 1833)		○ ⁷	○ ⁷	● ⁷
<i>Crossopalpus curvipes</i> (Meigen, 1822)	●	● ⁷		
<i>Drapetis assimilis</i> (Fallén, 1815)	● ⁸			
<i>Euthyneura albipennis</i> (Zetterstedt, 1842)	● ⁸		●	
<i>Euthyneura gyllenhali</i> (Zetterstedt, 1838)	● ⁸			
<i>Euthyneura myrtilli</i> Macquart, 1836	● ⁸	●	●	●
<i>Hybos grossipes</i> (Linnaeus, 1767)				●
<i>Leptopeza borealis</i> Zetterstedt, 1842	● ⁸			●
<i>Leptopeza flavipes</i> (Meigen, 1820)	● ⁸		● ⁶	
<i>Ocydromia glabricula</i> (Fallén, 1816)	● ^{6, 8}	●	● ⁶	● ⁶
<i>Ocydromia melanopleura</i> Loew, 1840	●			
<i>Oedalea freyi</i> Chvála, 1983			●	●
<i>Oedalea hybotina</i> (Fallén, 1816)	●			
<i>Oedalea ringdahli</i> Chvála, 1983	● ⁸			
<i>Oedalea stigmatella</i> Zetterstedt, 1842	●			
<i>Oedalea zetterstedti</i> Collin, 1926	●	●		○ ⁶
<i>Platypalpus alter</i> (Collin, 1961)	● ⁸		●	
<i>Platypalpus annulatus</i> (Fallén, 1815)	● ⁸			
<i>Platypalpus ater</i> (Wahlberg, 1844)	●	●		● ⁷
<i>Platypalpus boreoalpinus</i> Frey, 1943		●		●
<i>Platypalpus brachystylus</i> (Bezzi, 1892)	●	●	●	●
<i>Platypalpus brevicornis</i> (Zetterstedt, 1842)	● ⁸			
<i>Platypalpus ciliaris</i> (Fallén, 1816)	● ⁸			
<i>Platypalpus confiformis</i> Chvála, 1971	● ⁸	●		●
<i>Platypalpus confinis</i> (Zetterstedt, 1842)	● ⁸	●	● ⁷	●
<i>Platypalpus cursitans</i> (Fabricius, 1775)	● ⁸		● ⁷	●
<i>Platypalpus ecalceatus</i> (Zetterstedt, 1838)	● ⁸	●	● ⁷	● ⁷
<i>Platypalpus excavatus</i> Yang & Yao, 2007	●			
<i>Platypalpus hackmani</i> Chvála, 1972	● ⁵	●		
<i>Platypalpus laestadianorum</i> (Frey, 1913)	● ⁸	●	●	● ⁷
<i>Platypalpus lapponicus</i> Frey, 1943	●	● ⁷		● ⁷
<i>Platypalpus longicornis</i> (Meigen, 1822)	● ⁸	○ ⁷	● ⁷	● ⁷
<i>Platypalpus luteicornis</i> (Meigen, 1838)	●			
<i>Platypalpus luteus</i> (Meigen, 1804)	● ⁸			
<i>Platypalpus macula</i> (Zetterstedt, 1842)	● ⁸	●	● ⁷	● ⁷
<i>Platypalpus nigricoxa</i> (Mik, 1884)	● ^{3, 8}		●	

APPENDIX 1. continued

SPECIES	FV	FI	FN	FØ
<i>Platypalpus nigratarsis</i> (Fallén, 1816)	● ⁸	●	● ⁷	●
<i>Platypalpus sahlbergi</i> (Frey, 1909)			○ ⁷	
<i>Platypalpus scandinavicus</i> Chvála, 1972	● ^{5, 8}		●	●
<i>Platypalpus sordidus</i> (Zetterstedt, 1838)		●		●
<i>Platypalpus stigmatellus</i> (Zetterstedt, 1842)	● ⁸	●	●	●
<i>Platypalpus tuomikoskii</i> Chvála, 1972	●		●	
<i>Platypalpus unguiculatus</i> (Zetterstedt, 1838)	●	●	● ⁷	● ⁷
<i>Platypalpus verralli</i> (Collins, 1926)	●			
<i>Platypalpus zetterstedti</i> Chvála, 1971				●
<i>Platypalpus</i> n. sp. A			●	
<i>Platypalpus</i> n. sp. B	●	●	●	●
<i>Symballophthalmus dissimilis</i> (Fallén, 1815)	●			
<i>Tachydromia incompleta</i> (Becker, 1900)	● ⁸	●	○ ⁷	● ⁷
<i>Tachydromia morio</i> (Zetterstedt, 1838)	● ⁸			● ⁷
<i>Tachydromia punctifera</i> (Becker, 1900)	●			
<i>Tachydromia umbrarum</i> Haliday, 1833				●
<i>Tachypeza fennica</i> Tuomikoski, 1932	●		●	
<i>Tachypeza heeri</i> Zetterstedt, 1838	●	●		●
<i>Tachypeza nubila</i> (Meigen, 1804)	● ⁸	●	●	●
<i>Tachypeza truncorum</i> (Fallén, 1815)	●	● ⁷		●
<i>Tachypeza winthemi</i> Zetterstedt, 1838	●	● ⁷		
<i>Trichina bilobata</i> Collin, 1926	● ⁸			
<i>Trichina elongata</i> Haliday, 1833	● ⁸	●	●	
<i>Trichinomyia fuscipes</i> (Zetterstedt, 1838)	●		●	
Family DOLICOPHODIDAE				
<i>Campsicnemus alpinus</i> (Haliday, 1833)				●
<i>Campsicnemus armatus</i> (Zetterstedt, 1849)	●		●	
<i>Campsicnemus dasyncnemus</i> Loew, 1857				●
<i>Campsicnemus marginatus</i> Loew, 1857	●			
<i>Campsicnemus scambus</i> (Fallén, 1823)	●			●
<i>Chrysotus femoratus</i> Zetterstedt, 1843	●			
<i>Dolichopus acuticornis</i> Wiedemann, 1817				●
<i>Dolichopus armillatus</i> Wahlberg, 1850				●
<i>Dolichopus brevipennis</i> Meigen, 1824	●	●	●	●
<i>Dolichopus caligatus</i> Wahlberg, 1850		●		
<i>Dolichopus cinctipes</i> Wahlberg, 1850				○ ³

APPENDIX 1. continued

SPECIES	FV	FI	FN	FØ
<i>Dolichopus fraterculus</i> Zetterstedt, 1843				•
<i>Dolichopus latipennis</i> Fallén, 1823			•	
<i>Dolichopus lepidus</i> Staeger, 1842	•	•		•
<i>Dolichopus longicornis</i> Stannius, 1831	•		•	•
<i>Dolichopus maculipennis</i> Zetterstedt, 1843			•	•
<i>Dolichopus nigricornis</i> Meigen, 1824	•		•	•
<i>Dolichopus nubilus</i> Meigen, 1824	•			
<i>Dolichopus pennatus</i> Meigen, 1824	•			
<i>Dolichopus picipes</i> Meigen, 1824	•			
<i>Dolichopus plumipes</i> (Scopoli, 1763)	•	•	•	•
<i>Dolichopus rupestris</i> Haliday, 1833	•	•	•	•
<i>Dolichopus simplex</i> Meigen, 1824	•			
<i>Dolichopus stenhammari</i> Zetterstedt, 1843	•	•	•	•
<i>Dolichopus ungulatus</i> (Linnaeus, 1758)				•
<i>Dolichopus urbanus</i> Meigen, 1824	•		•	•
<i>Dolichopus vitripennis</i> Meigen, 1824	•			
<i>Hercostomus sahlbergi</i> (Zetterstedt, 1838)	•	•	•	•
<i>Hydrophorus albiceps</i> Frey, 1915	•			
<i>Hydrophorus alpinus</i> Wahlberg, 1844	•			
<i>Hydrophorus borealis</i> Loew, 1857	•			
<i>Hydrophorus geminus</i> Frey, 1915		•		
<i>Hydrophorus pilipes</i> Frey, 1915	•			
<i>Hydrophorus praecox</i> (Lehmann, 1822)	•			
<i>Liancalus virens</i> (Scopoli, 1763)	•			
<i>Medetera abstrusa</i> Thuneberg, 1955	•	•	•	
<i>Medetera acanthura</i> Negborov & Thuneberg, 1970	•			
<i>Medetera apicalis</i> (Zetterstedt, 1843)				•
<i>Medetera belgica</i> Parent, 1936	•			•
<i>Medetera betulae</i> Ringdahl, 1949	•			
<i>Medetera borealis</i> Thuneberg, 1955	•		•	
<i>Medetera infumata</i> Loew, 1857	•			
<i>Medetera pseudoapicalis</i> Thuneberg, 1955	•			
<i>Microphor holosericeus</i> (Meigen, 1804)	•			
<i>Rhaphium albifrons</i> Zetterstedt, 1843	•			
<i>Rhaphium consobrinum</i> Zetterstedt, 1843	•	•		
<i>Rhaphium crassipes</i> (Meigen, 1824)	•	•	•	•

APPENDIX 1. *continued*

SPECIES	FV	FI	FN	FØ
<i>Rhaphium elegantulum</i> (Meigen, 1824)	•	•		
<i>Rhaphium holmgreni</i> (Mik, 1878)	•			
<i>Rhaphium longicorne</i> (Fallén, 1823)		•	•	
<i>Rhaphium monotrichum</i> Loew, 1850	•	•		
<i>Rhaphium nasutum</i> (Fallén, 1823)	•	•		
<i>Rhaphium nigribarbatum</i> (Becker, 1900)	•	•		
<i>Rhaphium patulum</i> (Raddatz, 1873)	•			
<i>Rhaphium tridactylum</i> (Frey, 1915)	•			
<i>Rhaphium umbripenne</i> (Frey, 1915)	•			
<i>Scellus spinimanus</i> (Zetterstedt, 1843)	•	•		•
<i>Sympycnus desoutteri</i> Parent, 1925		•		•
<i>Syntormon pallipes</i> (Fabricius, 1794)				•
<i>Syntormon tarsatum</i> (Fallén, 1823)				•