

New records of Hoverflies (Diptera, Syrphidae) with *Heringia fulvimanus* (Zetterstedt, 1843) and *H. larusi* Vujič, 1999 new to Norway

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The paper reports on 41 uncommon hoverfly species. *Heringia fulvimanus* (Zetterstedt, 1843) and *H. larusi* Vujič, 1999 are new to Norway, and thirteen species are on the Norwegian Rest List.

Key words: New records, *Heringia fulvimanus*, *H. larusi*, Diptera, Syrphidae, Norway.

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Introduction

The Norwegian hoverfly fauna is fairly well known from a series of publications over the last decades (Gammelmo & Nielsen 2005, Nielsen 1974, 1999, 2002, 2005 and Nielsen & Ødegaard 2013), mainly in the present journal, and comprises more than 330 species. The present paper adds unpublished specimens and information from recently collected material, and comprises two species new to our fauna.

Material and methods

The material for this paper originates from the collections of Zoological Museum Bergen (ZMBN), Natural History Museum in Oslo (NHMO), the private collections of Svein Svendsen and the author (TRN). Unless specifically mentioned the material is kept in the author's collection.

Red List codes are in accordance to the 2010 Norwegian Red List of Species (Kålås *et al.* 2010): EN = endangered, NT = near threatened and VU

= vulnerable. Species new to the Norwegian fauna are marked with an asterisk (*).

The faunistic divisions of Norway follow Økland (1981) and are given in **bold**. The “European Invertebrate System” (EIS) follows Endrestøl (2005).

The species

^{EN}*Anasimyia contracta* Claussen & Torp, 1980

Material. **AK**, Bærum: Ringvoll – Stovi, EIS 28, 15 July 1999 1♀, leg. J.I. Johnsen.

^{EN}*Brachyopa obscura* Thompson & Torp, 1982

Material. **AK**, Enebakk: Nordre Bøler, EIS 29, June 1996, Malaise trap 1♀, leg. H. Breilid & H. Solberg; **HES**, Elverum: Økset, EIS 55, 16 June 1996 1♀, leg. L. Greve, in coll. ZMBN; **SFI**, Luster: Fortundalen, Yttri, Djupedalen, 600m.a.s.l., 7–20 June 2003 2♂♂1♀, leg. T. Yttri.

^{EN}*Brachyopa pilosa* Collin, 1939

Material. **AK**, Frogn: Bonn, EIS 28, 11 May 2006 1♂, leg. O. Lønnve, in coll. NHMO; **SFI**,

Luster: Fortundalen, Yttri, Djupedalen, 600 m.a.s.l., 7–20 June 2003 1♀, leg. T. Yttri.

^{EN}*Callicera aenea* (Fabricius, 1781) (Figure 1)

Material. VAY, Lindesnes: Remesvik, EIS 1, 18 June 2013 1♀ in *Angelica archangelica* flower, leg. TRN.

Cheilosia carbonaria Egger, 1860

Material. SFI, Sogndal: Fjærland, Supphelledalen, EIS 59, 8 July 1999 1♀, leg. J. Anonby; NSØ, Hamarøy: Fjelltun near Kråkmo, EIS 134, 23 June 1981 1♂; TRY, Tromsø: Tromsøya, EIS 162, 30 June 1981, 3♂♂; TRI, Bardu: Setermoen, EIS 146, 25–28 June 1981 2♂♂3♀♀, all leg. TRN.

Cheilosia flavissima Becker, 1894

Material. ON, Fron: Harpefoss, EIS 62, 12–14 July 1981, 1♂1♀, leg. TRN.

Cheilosia nebulosa Verrall, 1871

Material. Ø, Hvaler: Skipstadkilen, EIS 12, 17 May 1996, 1♂ on *Anemone nemorosa*, leg. R.G. Bosy, in coll. NHMO.

Remark. A third record of this species in Norway.

Cheilosia proxima (Zettertedt, 1843)

Material. VAY, Lindesnes: Ramsland, EIS 1, 20 July 1980, 1♀; VAI, Hægebostad: Skeie nr. Eiken, EIS 4, 23 June 1975 1♀, both leg. TRN; RY, Sandnes: Dale, EIS 7, 30 May 1967 1♂, leg. TRN; HOY, Bergen (Fana): Paradis, EIS 30, 28 May 1970, 2♀♀ leg. TRN, Myravatn, EIS 30, 3 June 1970 1♀, leg. A. Fjellberg; HOI, Kvinnherad: Skarvatun, EIS 31, 28 May 2010, 1♀ leg. TRN.

Cheilosia rufimana (Becker, 1894)

Material. AK, Bærum: Ostøya, EIS 28, 30–31 May 1984 2♀♀; 16 June 1985 1♀ leg. TRN; Enebakk: Nordre Bøler, EIS 29, June 1996, Malaise trap, 4♀♀ leg. H. Breilid & H. Solberg.

Cheilosia semifasciata (Becker, 1894) (Figure 2)

Material. TEY, Drangedal: Rønnohdalen, 350 m.a.s.l., EIS 17, 15 May–6 June 1999 4♀♀, leg. A. Bjørnstad; RY, Sandnes: Sandvedhagen,



FIGURE 1. *Callicera aenea* (Fabricius, 1781) female in *Angelica archangelica* flower. Lindesnes: Remesvik 18 June 2013. Photo: Tore R. Nielsen.



FIGURE 2. *Cheilosia semifasciata* (Becker, 1894) male. Photo: Inge Flesjå.

EIS 7, 9 May–6 June 2000 1♂, leg. TRN.

Cheilosia uviformis Becker, 1894

Material. AK, Enebakk, EIS 29, Nordre Bøler, June 1996, Malaise trap, 10♀♀, leg. H. Breilid & H. Solberg, in coll. NHMO. ; VAY, Lyngdal: Gitlevåg, EIS 1, 18 May 1977, 1♂, leg. TRN; RY, Sandnes: Vassvik, EIS 7, 21 May 1992 2♂♂, leg. V. Bičík, det. C. Claussen.

Cheilosia velutina Loew, 1840

Material. VE, Brunlanes: Anvik, EIS 19, May 1983 1♂, leg. E.S. Paulsen.

^{EN}*Chrysotoxum vernale* Loew, 1841

Material. RY, Hå: Ognå, EIS 3, 17 July–21 August 1996 1♂, Malaise trap, leg. L. Greve.

***Eriozona syrphoides* (Fallén, 1817)** (Figure 3)

Material. HES, Kongsvinger: Trossholmen, EIS 38 July 2002, 1♀ leg. K. Sund; OS, Lunner: Gruakollen, EIS 36 28 July 2005 2♂♂, leg. Ø. Gammelmo, all in coll. NHMO.

^{EN}***Eumerus flavitarsis* Zetterstedt, 1843**

Material. AAI, Bygland: Heddevika, EIS 9, Malaise trap, 11 June–1 July 1997 1♀ and 4 July–31 August 1997 1♀, leg. K. Berggren; RY, Rennesøy: Kastdal, forest edge, EIS 14, 8 June 2011 1♂, leg. J.I. Johnsen.

^{NT}***Eumerus sabulorum* (Fallén, 1817)**

Material. VAY, Farsund: Einarsneset, EIS 1, 14 June 1♀, leg. K. Berggren; Kristiansand: Kjevik, EIS 5, 18 July 2000 1♀, leg. K. Berggren.

***Helophilus groenlandicus* (Fabricius, 1780)**

(Figure 4)

Material. A boreoalpine species, but also with two records from western Norway: Osterøy (Åkra & Djursvoll 2000) and Bjerkreim (Nielsen 2005).

Remarks. F.A. Strømmen at Flekkerøy, on a coast locality, made a new and surprising record: VAY, Kristiansand: Flekkerøy, Risleviga, EIS 2, 17 June 2013 1♀, see photo. There had been a strong and long lasting northerly wind over South Norway for several days, and it is possible that the specimen has been drifted from alpine areas further north. The record has been reported to Artsobservasjoner.

****Heringia fulvimanus* (Zetterstedt, 1843)**

Material. AAI, Bygland: Heddevika, EIS 9, Malaise trap 4 July–31 August 1997 1♂, leg. K. Berggren.

Remark. New to the Norwegian fauna.

****Heringia larusi* Vujič, 1999**

Material. BV, Sigdal: Trillemarka, EIS 35, 7 July–18 August 1999, Malaise-trap in slope 1♂, leg. L.O. Hansen; SFI, Luster: Fortundalen, 480 m.a.s.l., EIS 60, *Pinus-Populus* forest, Malaise trap, 28 July–31. August 2004, 1♂ leg. T. Yttri.

Remarks. The male from Sigdal was determined by A. Vujič. New to the Norwegian



FIGURE 3. *Eriozona syrphoides* (Fallén, 1817) female. Photo: Morten Olsen.

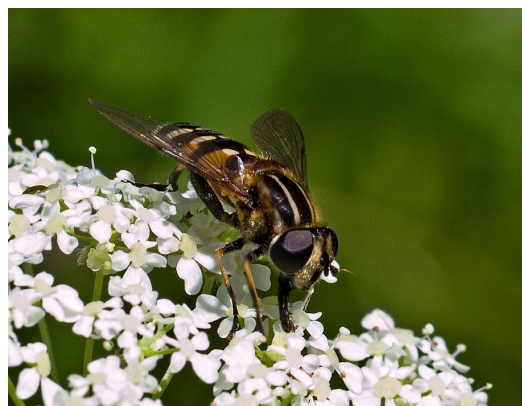


FIGURE 4. *Helophilus groenlandicus* (Fabricius, 1780) female. Characters for this species are the dark hind legs and the white spots on the tergites. Photo: Frank A. Strømmen.

fauna.

***Heringia vitripennis* (Meigen, 1822)**

Material. BV, Sigdal: Trillemarka, EIS 35, 7 July–18 August 1999 1♂, leg. L.O. Hansen.

***Lejota ruficornis* (Zetterstedt, 1843)**

Material. VE, Brunlanes: Anvik, EIS 19, May 1983 1♀, leg. E.S. Paulsen; TEI, Seljord: Svartdal, Lien, EIS 26, 26 June 2005 1♂, leg. L. Aavik, in coll. NHMO; AAI, Bygland: Heddevika, EIS 9, Malaise trap 11 June–1 July 1997 2♀♀, leg. K. Berggren.

^{EN}***Orthonevra stackelbergi* Thompson & Torp, 1982**

Material. HES, Eidskog: Linkjølen, EIS

38, 8 July 2005 1♂, leg. Ø. Gammelmo. In coll. NHMO; **AK**, Nes: Skogbygda EIS 37, 25 June 2006 2♂♂, leg. TRN; **BØ**, Flesberg: Kronset, 32V NM 304 351, EIS 27, 4 July 2008 1♂, leg. B.A.Sagvolden; **BV**, Rollag: Tråen 32V NM 158 535, EIS 35, 20 July 2005 1♂, leg. S. Svendsen; **AAY**, Birkenes: Bjorvand, EIS 5 13 June 2006 1♂ and Birkeland, Nordåsen, EIS 6, 20 July 2004 1♂, both leg. and in coll. S. Svendsen.

Paragus finitimus Goeldlin, 1971

Material. **ON**, Vang: Døtten, Vennis, EIS 52, 1 August 2003 1♂, leg. K. Berggren; **VE**, Brunlanes: Mølen, EIS 19, 20 July 1983 1♂, leg. G.E. Ellefsen; Sandø, EIS 19, 27 July 1992 1♀, leg. A. Fjellberg; **BØ**, Flesberg: Grønli, EIS 27 1♂, leg. B.A. Sagvolden; Nedre Eiker: Mjøndalen, Hagali, Ryggsetra, EIS 28, June 1994, 1♀ in Malaise trap, leg. Y. Berg & L.O. Hansen; **TEI**, Notodden, Elgsjø, EIS 27, 10 July 1976 1♀, leg. TRN; **VAY**, Farsund: Einarsneset, EIS 1, 23 June 2001 1♂, leg. K. Berggren.

Paragus pecchiolii Rondani, 1857

(syn. *majorane* Rondani, 1857, see Nielsen 1999)

Material. **AK**, Bærum: Borøya, EIS 28, 20 June 1993 1♀, leg. L.O. Hansen, in coll. NHMO; Ostøya, EIS 28, 30 May–24 July 1984 2♀♀, leg. F. Midtgaard; **VE**, Tjølling: Bisjord–Heggedal, EIS 19, 21 May 1984 1♂, leg. B. Borgersen; **BØ**, Drammen: Underlia, EIS 28, 1–31 July 1992, Malaise trap 2♀♀ and August–September 1993, Malaise trap 1♀, all leg. L.O. Hansen and in coll. NHMO; **AAI**, Bygland: Heddevika, EIS 9, Malaise trap 16 May–11 June 1997 3♂♂, leg. K. Berggren; **VAY**, Kristiansand: Stangenes, EIS 2, 27 May 1984 1♀, leg. S. Svendsen; Lindesnes: Haraldstad, EIS 1, 20 July 1976 1♀, leg. TRN; **HOY**, Bergen: Åsane, EIS 39, 3 June 1971 1♀, leg. TRN.

Paragus punctulatus Zetterstedt, 1838

Material. **ON**, Lom: Bøvertun, EIS 60, 21 June 1978 1♂ and Høyrokampen 20 June 1979 1♀; Skjåk: Tundradal, EIS 69 18 June 1978 1♂, all leg. A. Fjellberg; **STI**, Oppdal: Kongsvoll, on a sandy and gravelled area at the railway station, EIS 79, 8 August 1998 3♂♂1♀ leg. TRN.

Paragus tibialis (Fallén, 1817)

Material. **ON**, Nord-Fron: Vinstra, EIS 62, 25 May–30 June 1992, 1♂ leg. L.O. Hansen and in coll. NHMO; **BØ**, Drammen: Underlia, EIS 28, 1–31 July 1992 August–September 1993, Malaise trap, 1♀; Røyken: Hyggen, Kinnartangen, EIS 28, 6 July–4 August 1991, all leg. L.O. Hansen and in coll. NHMO; **AAI**, Drangedal: Rønnoaldalen, 350 m, EIS 17, Malaise trap, 15 May–6 June 1999 3♂♂ and 6 June–27 July 1999 1♂, leg. A. Bjørnstad.

Parasyrphus nigratarsis (Zettertedt, 1843)

Material. **TEI**, Vinje: Haukelisetter, 1100 m on tundra, EIS 24, 2–3 July 1992 2♀♀, leg. TRN.

Pelecocera caledonica (Collin, 1940)

Material. **BV**, Sigdal, Trillemarka, EIS 35, 7 July–18. August 1999, Malaise trap, 2♀♀, leg. L.O. Hansen, in coll. NHMO.

Pelecocera scaevoides (Fallén, 1817)

Material. **BØ**, Flesberg: Grønli, EIS 27, 2 July 2000 1♀, leg. B.A. Sagvolden. In coll. NHMO.

^{vu}*Pipiza accola* Violovitsh, 1985

Material. **VE**, Brunlanes: Anvik, EIS 19, May 1983 1♂, leg. E. S. Paulsen; **RY**, Sokndal: Sokndal, EIS 3, 12 June 1974 1♀, leg. TRN; **HOY**, Bergen: Haugsdal, EIS 31 16–18 May 1982, 1♂, leg. A.J. Nilsen; Osterøy: Osneset, EIS 40 28 May–13 June 1982 1♂, Malaise trap, leg. A.J. Nilsen; **SFI**, Årdal: Utladalen, Vetti, EIS 60, 18 June 1999 1♀, leg. J. Anonby.

Remarks. Previously known from the counties Østfold, Buskerud and Telemark (Nielsen 2005, Nielsen and Ødegaard 2013).

Pipiza lugubris (Fabricius, 1775)

Material. **AK**, Frogn: Trosterud, EIS 28, 17 July 1970 1♀, leg. TRN; **VE**, Tjøme 27 July 1966 1♀ on *Angelica silvestris*, leg. A. Fjellberg. **VAY**, Kristiansand: Kjevik, EIS 5, 2–9 July 1♀ and 23–30 July 2000 1♀, both leg. K. Berggren; **RY**, Høyland (now Sandnes): Brattebø, EIS 7, 6 June 1971, 1♀ leg. TRN; **SFI**, Luster: Hafslo, EIS 60, 28 June 1974, 1♀ leg. TRN.

***Platycheirus aeratus* Coquillet, 1900**

Material. ON, Vang: Kvisyndin (tundra area, 1000 m+) EIS 52 1 August 2003, 1♀, leg. K. Berggren.

Remarks. A rare boreamontane species, in Norway previously only known from a single male from the tundra of Jotunheimen (Nielsen 1974: 171).

***Platycheirus hyperboreus* (Stæger, 1845)**

Material. BV, Hol: Prestholtseter, EIS 42, 19 July 1973 1♂, leg. TRN.

Remarks. Another tundra species.

***Platycheirus jaerensis* Nielsen, 1971 (Figure 5)**

VAY, Kristiansand: Flekkerøy, Stølsviga, EIS 2, 30 May 2013, 1♂, leg. F.A. Strømme.

Remarks. An early summer species (May–June) and most often found in open humid wooded area with *Ericaceae*. Resembling *P. peltatus* (Meigen, 1822), but the male with a narrower fore basitarsus, and both sexes with predominantly yellow antennae and the abdominal spots larger.

***Platycheirus ramsarensis* Goeldlin, Maibach & Speight, 1990**

Material. VAI, Åseral: Ljosland, EIS 9, 7 July 2004 1♂, leg. K. Berggren; Sirdal: Reinskveven, EIS 8, 29 July–2 August 1982 1♀, leg. E. Songe Paulsen; Hunnevatn, EIS 8, 660 m.a.s.l., grass bog, 9 July 2008 4♂♂2♀♀; east of Suleskard on alpine *Carex-Eriophorum* bog 29 July 1999 1♀ and 9 August 1999 1♂, leg. TRN; **HOI**, Eidfjord: Dyranut, EIS 33, 1250 m.a.s.l., in alpine humid slope with *Carex rostrata* 3–4 August 2002, 4♀♀ leg. TRN.

^{EN}***Psilota atra* (Fallén, 1817) (Figure 6)**

Material. VAY, Kristiansand: Stangenes, EIS 2, 30 May 2004 1♂, leg. S. Svendsen; Flekkerøy, Risleviga, EIS 2, 13 June 2012 1♂ and 31 May 2013 1♂, both leg. F.A. Strømme.

^{NT}***Sphegina elegans* Schummel, 1843**

Material. Ø, Moss: Jeløy, Alby, EIS 19, 15 June 2012 1♂, 32VNL 91239 Mgrs 88300, leg. O. Sørlibråten, in coll. NHMO.

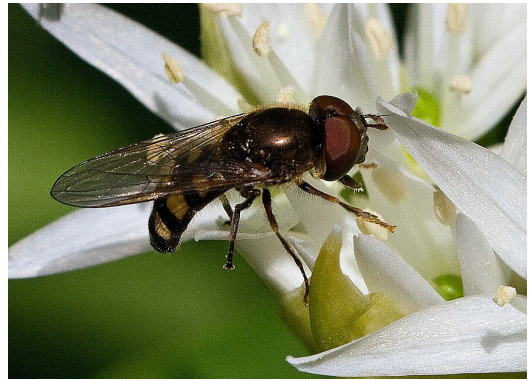


FIGURE 5. *Platycheirus jaerensis* Nielsen, 1971 male. Photo: Frank A. Strømme.



FIGURE 6. *Psilota atra* (Fallén, 1817), a rare species with the larva associated with decaying sap in rotten trees. Photo: Frank A. Strømme.

Remarks. The second Norwegian record of *elegans*. Jan Lucas†, Rotterdam, collected a first specimen near Kjevik, **VAY**: Kristiansand in July 1976 (personal communication).

^{EN}***Spilomyia manicata* (Rondani, 1865) (Figure 7)**

Material. AK, Oslo: Tøyen, EIS 28, 27 July 2002, 1♀ leg. H. Hjelde; Hovedøya, EIS 28, Malaise trap 21 July–23 August 2005 2♀♀, leg. Ø. Gammelmo & O. Lønnve; **TEI**, Kviteseid: Øvre Landsverk, EIS 17, 15 July–15 September 1999 1♀, leg. L.O. Hansen & D. Wisland. All in coll. NHMO.

***Trichopsomyia flavitarsis* (Meigen, 1822)**

Material. AAY, Birkenes: Birkeland, EIS 6, 6



FIGURE 7. *Spilomyia manicata* (Rondani, 1865), recognizable by its black fore tarsi. Photo: Liselotte Sjøe.

July 2002 1♀ leg. S. Svendsen.

***Xanthogramma stackelbergi* Violovitsh, 1975**

Material. TEY, Drangedal, Rønnevdalen, 350 m.a.s.l., EIS 17, Malaise trap 6 June–27 July 1999 1♂2♀, leg. A. Bjørnstad; AAI, Bygland: Heddevika, EIS 9, Malaise trap 16 May–11 June 1997 1♀, leg. K. Berggren.

^{EN}***Xylota triangularis* Zetterstedt, 1838**

Material. HES, Kongsvinger: Åranstorpet, EIS 38, 16 May–14 June 2004 1♂, leg. K. Sund. In coll. NHMO.

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