

# Further records of Hoverfly species (Diptera, Syrphidae) in Norway

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A hoverfly material, mainly from the collections of Natural History Museum Oslo, is published. Three species, *Epistrophe olgae* Mutin, 1993, *Xanthogramma stackelbergi* Violovitsh, 1975 and *Xylota ignava* (Panzer, 1798) are reported new to the Norwegian fauna, and there is also a second record of *Temnostoma sericomylaeforme* (Portschinsky, 1887).

Key words: Diptera, Syrphidae, new records, Norway.

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## INTRODUCTION

The Norwegian hoverfly fauna was revised and summarized in a check list by Nielsen (1999), followed by two supplementary lists (Nielsen 2002, 2005). In addition several publications dealing with the Norwegian hoverfly fauna has been published since 1999; Falck 1999, Nielsen 2003, Lønnve & Nielsen 2003, Gammelmo & Aarvik 2007.

Records of each species include the EIS-grid number, based on 50 × 50 km squares (Endrestøl 2005). Regional abbreviations are identical to those given by Økland (1981).

Hoverflies were surveyed for the 2006 Norwegian Red List (Kålås et al. 2006). A total of 963 species of Diptera were evaluated for listing, of which 564 species were chosen for detailed red List assessment (Gammelmo et al. 2006). In all, there are 233 species of Diptera on the 2006 Red List, of which 62 are hoverflies.

## THE SPECIES

The paper reports on new material of rare or less common species, mainly from the Natural History Museum Oslo (NHMO).

Codes: \* (new to Norway). Red List codes: DD (Data Deficient), EN (Endangered), NT (Near Threatened), VU (Vulnerable). Abbreviations for counties: Ø (Østfold); AK (Akershus); HE (Hedmark); O (Oppland); B (Buskerud); VE (Vestfold); TE (Telemark); AA (Aust-Agder); VA (Vest-Agder); R (Rogaland); HO (Hordaland); SF (Sogn og Fjordane); MR (Møre og Romsdal); ST (Sør-Trøndelag); NT (Nord-Trøndelag); N (Nordland); TR (Troms), F (Finmark). Abbreviations of subdivisions: I (interior); Y (coastal); S (southern); N (northern); V (western); Ø (eastern). Collections: TRN (Tore Randulff Nielsen (private)).

<sup>EN</sup> ***Arctophila bombiformis* (Fallén, 1810)**  
OS, Lunner: Grindvoll (EIS 36) 4 July 1985, 1♂,  
and Grindvoll, Vestern 3–6 July 2006, 1♀, both

leg. O. Lønnve.

**Note:** Large conspicuous species. Second record in Norway since 1988. All records are from forest habitats in eastern Norway. Redlisted (EN) due to habitat fragmentation and destruction (Gammelmo et al. 2006).

***Blera fallax* (Linnaeus, 1758)**

**TEI**, Seljord: Svartdal, Lien Midtre (EIS 26) 26 June 2005, 1♂, leg. Ø. Gammelmo; **Tinn**: Spjeldset (EIS 27) 16 July 2005, 2♂♂, leg. O. Lønnve; **HES**, Kongsvinger: Dragonmoen (EIS 27) 28 May–22 June 2005, 1♂2♀♀, leg. K. Sund.

***Brachyopa testacea* (Fallén, 1817)**

**HES**, Kongsvinger: Abborhøgda (EIS 38) 26 May–22 June 2003 1♂ Malaisetrapp, leg. K. Sund.

**<sup>EN</sup> *Callicera aenea* (Fabricius, 1781)**

**AK**, Bærum: Kjaglidalen (EIS 28) 10 June 2006, 1♀, leg. Ø. Gammelmo.

**Note:** Redlisted (EN) based on two records from southern Norway (VAY, TEY) (Gammelmo et al. 2006).

***Chalcosyrphus valgus* (Gmelin, 1790)**

Ø, Fredrikstad: Slevik (EIS 20) 21 June 2003, 1♂, leg. O. Lønnve; **HES**, Kongsvinger: Abborhøgda (EIS 38) 26 May–22 June, 2003, 5♂♂3♀♀, leg. K. Sund; **TRI**, Målselv: Dividalen, Høgskardhus (EIS 147) 26 June 2005, 1♀ leg. E. Heibo.

***Chamaeasyrphus scaevoides* (Fallén, 1817)**

**AK**, Oslo: Hovedøya (EIS 28) 29 June–21 July 2005, 1♀ in Malaise trap, leg. Ø. Gammelmo & O. Lønnve; **BØ**, Nedre Eiker: Mjøndalen, Hagatjern, Ryggsetra (EIS 28) July 1994, 1♀ in Malaise trap, leg. V. Berg & L.O. Hansen.

***Cheilosia carbonaria* Egger, 1860**

**ON**, Vang: Øye, Hole (EIS 52) 30 June 2003, 2♂♂, leg. L. Aarvik.

***Cheilosia morio* (Zetterstedt, 1838)**

**AK**, Frogn: Bonn (EIS 28) 11 May 2006, 1♀, leg. O. Lønnve.

***Cheilosia sootryeni* Nielsen, 1970**

**HES**, Kongsvinger: Abborhøgda (EIS 38) 26 May–22 June 2003, 1♀, Malaise trap, leg. K. Sund.

***Cheilosia velutina* Loew, 1840**

**AK**, Rygge: Sildebauen (EIS 19) 24 July 2005, 1♀, leg. L. Aarvik; **Ø**, Hvaler: Kjerlø, Ørekroken (EIS 12) 16 July–15 August 2003, 3♂♂3♀♀, Malaise trap, leg. L.O. Hansen.

**<sup>DD</sup> *Cheilosia vulpina* (Meigen, 1822)**

**AK**, Oslo: Bygdøy, Hengsenga (EIS 28) 9 June 2006, 1♂2♀♀, sweep net, leg. Ø. Gammelmo. **Note:** In Norway only known from this locality (Nielsen, 1999). Gammelmo et al. (2006) red listed this species due to lack of knowledge.

***Chrysotoxum cautum* (Harris, 1776)**

**AK**, Oslo: Bygdøy, Hengsenga (EIS 28) 9 June 2006, 1♀, leg. Ø. Gammelmo; **Ø**, Hvaler: Kjerlø, Ørekroken (EIS 12) 22 June–16 July 2003, 1♀, Malaise trap, leg. L.O. Hansen.

**<sup>EN</sup> *Chrysotoxum vernale* Loew, 1841**

Ø, Hvaler: Kjerlø, Ørekroken (EIS 12) 16 July–16 August 2003, 1♀, Malaise trap, leg. L.O. Hansen; **AK**, Oslo: Bygdøy, Hengsenga (EIS 28) 9 June 2006, 1♀, leg. Ø. Gammelmo; **BØ**, Modum: Vestre Spone, Verksted (EIS 28), Malaise trap, May–September 2004, 1♀, sandy slope, pine forest, leg. O.K. Hesthagen & L.O. Hansen.

**Note:** Redlisted (EN) based on scattered records in southeastern Norway (VAY, TEY, VE, AK) (Gammelmo et al. 2006).

**<sup>EN</sup> *Criorhina ranunculi* (Panzer, 1804)**

**BØ**, Modum: Buskerud landbrukshøgskole (EIS 28), May–June 2003, 1♀, Malaisetrapp, leg. A. Eikeland.

**Note:** Redlisted (EN) based on scattered records in south Norway (RY, VAY, VE) (Gammelmo et al. 2006).

***Didea alneti* (Fallén, 1817)**

**AAV**, Birkenes: Nordåsen (EIS 6) August 2005, 1♂, leg. S. Svendsen; **HES**, Kongsvinger: Abborhøgda (EIS 38) 26 May–22 June 2003, 1♀,

Malaise trap, leg. K. Sund.

***Didea fasciata* Macquart, 1834**

**HES**, Kongsvinger: Abborhøgda (EIS 38) 10–20 July 2003, 1♀, Malaise trap, leg. K. Sund.

***Didea intermedia* Loew, 1854**

**HES**, Kongsvinger: Abborhøgda (EIS 38) 10–20 July 2003, 1♀, Malaise trap, leg. K. Sund.

***Epistrophe obscuripes* (Strobl, 1909)**

**AK**, Oslo: Hovedøya (EIS 28) June 2005, 1♂, leg. Ø. Gammelmo.

**\* *Epistrophe olgae* Mutin, 1993**

**HOY**, Bergen: Paradis (EIS 30) 21 May 1972, 1♂1♀; Åstveit (EIS 39), 2♂♂, leg. T.R. Nielsen, coll. TRN.

**Note:** Described from eastern Russia and recently published from Finland (Haarto & Kerppola 2007). Very similar to *E. nitidicollis* (Meigen, 1822) and therefore probably an overlooked species with a wider distribution.

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

Ø, Råde: Vannsjø, Langøya (EIS 20) 17 September 2005, 1♀ leg. O. Lønnve; **OS**, Lunner: Gruakollen (EIS 36) 28 July 2005, 2♂♂, leg. Ø. Gammelmo; **HES**, Kongsvinger: Trossholmen (EIS 38) July 2002, 1♀, K. Sund.

***Eristalis oestracea* (Linnaeus, 1758)**

**AK**, Oslo: Østensjøvann (EIS 28) 25 May 2005, 1♀; Fet, Borgen (EIS 29) 17 July 1986, 1♀; **AAV**, Tvedestrand: Sandøya (EIS 6) 2 August 1998, 1♀; **FØ**, Sør-Varanger: Nedregård (EIS 169) 7 July 1997, 1♀, all leg. M. Falck, all in coll. NHMO; **TEI**, Tinn: Hovin, Spjeldset (EIS 27) 21 July 2004, 1♀, leg. O. Lønnve.

***Eristalis picea* (Fallén, 1817)**

Ø, Fredrikstad: Slevik, Ramseklovene (EIS 20) 27 June 2005, 1♂ on flowers of *Aegopodium podagraria*, leg. O. Lønnve; Rygge: Sildebauen (EIS 19) 14 May 2005, 1♂, leg. L. Aarvik; **AK**, Bærum: Høvik (EIS 28) 1♀; Ås: Bjørnebekk (EIS 28) 17 May 2003, 1♂, leg. L. Aarvik; Sørum: Sørliløkka, Dammyra (EIS 37) 27 May 2001, 1♂,

leg. O. Sørlibråten; **HES**, Kongsvinger: Møkeren, Tråssholmen (EIS 38) 23 June 2001, 1♀, leg. K. Sund.

***Eristalis pseudorupium* Kanervo, 1938**

Ø, Rygge: Sildebauen (EIS 19) 14 June 2003, 1♂; **AK**, Ås: Rustad (EIS 28) 1 June 2003, 1♂; **HES**, Eidskog: Linkjølen (EIS 38) 22 June 2003, 1♂, all leg. L. Aarvik, all in coll. NHMO.

**<sup>DD</sup> *Lejogaster tarsata* (Meigen, 1822)**

**HES**, Kongsvinger: Abborhøgda (EIS 38) 10–20 July 2003, 1♀ in Malaise trap, leg. K. Sund; Eidskog: Linkjølen (EIS 38) 22 June 2003, 1♀, leg. L. Aarvik.

**Note:** Previously reported from AK, Oslo, EIS 28 (Falck, 1999). Redlisted (DD) based on two records from one locality in eastern Norway (AK) (Gammelmo et al. 2006).

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

**VE**, Andebu: Bjørnevatnet (EIS 19) 13 July 1996, 1♂, leg. A. Fjellberg; **TEI**, Seljord: Svartdal, Lien (EIS 26) 1♂, leg. L. Aarvik.

***Leucozona inopinata* Doczkal, 2000**

**AK**, Nesodden: Nesodden kirke (EIS 28) 11 June 2006, 1♂, leg. O. Lønnve; **HES**, Kongsvinger: Abborhøgda (EIS 38) 29 July–10 August 2003, 1♀, Malaise trap, leg. K. Sund.

***Melangyna coei* Nielsen, 1971**

**MRI**, Norddal: Tafjord, Øynaskredet (EIS 69) 24 June 1994, 1♂, leg. T. Nagypal.

***Melangyna lucifera* Nielsen, 1980**

Ø, Rygge: Sildebauen (EIS 19) 7 May 2006, 1♀, leg. L. Aarvik.

**<sup>EN</sup> *Orthonevra intermedia* Lundbeck, 1916**

**OS**, Gjøvik: Bråstad, Koltjernet (EIS 45), 1♂1♀, leg. and det. L. Aarvik.

**Note:** Redlisted (EN) based on records from three localities in south Norway (VAY, AK, Ø) (Gammelmo et al. 2006).

**EN *Orthonevra stackelbergi* Thompson & Torp, 1982**

HES, Eidskog: Linkjølen (EIS 38) 8 July 2005, 1♂, leg. Ø. Gammelmo.

**Note:** Redlisted (EN) based on records from scattered localities in South Norway (RY, AK, HES) (Gammelmo et al. 2006).

***Paragus finitimus* Goeldlin, 1971**

Ø, Hvaler: Kjerkøy, Ørekroken (EIS 12) 22 June–16 July 2003, 1♂2♀♀, Malaise trap, leg. L.O. Hansen.

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

TEI, Tinn: Hovin, Spjeldset (EIS 27) 11 July 2005, 1♀, leg. O. Lønnve.

***Platycheirus parmatus* Rondani, 1857**

HEN, Ytre Rendal, Storsjøen (EIS 64) 2 July 1937, 1♀, leg. L.R. Natvig.

***Platycheirus tarsalis* (Schummel, 1837)**

HES, Kongsvinger: Abborhøgda (EIS 38) 26 May–22 June 2003, 2♂♂, leg. K. Sund.

***Rhingia borealis* Ringdahl, 1928**

AK, Asker: Semsvik (EIS 28), 1♂, leg. Ø. Gammelmo & L.O. Hansen; TEI, Tinn: Hovin, Spjeldset ca. 670 m a.s.l. (EIS 27), 3♂♂2♀♀, leg. O.J. Lønnve; OS, Østre Toten: Torsæterkampen (EIS 45) 2 August 2006, 1♀, leg. L. Aarvik; TRI, Storjord: Skibotn, Lulle (EIS 155) 10 July 2000, 1♂, leg. L. Aarvik.

***Sphaerophoria rueppelli* Wiedemann, 1830**

VAY, Kvinesdal: Gjemlestad (EIS 4) August 1935, 1♀, leg. J. Knaben.

***Spilomyia diophthalma* (Linnaeus, 1758)**

AK, Sørum: Egner (EIS 37) 28 July 1991, 1♀, leg. O. Sørlibråten.

**EN *Spilomyia manicata* (Rondani, 1865)**

AK, Oslo: Hovedøya (EIS 28) 21 July–26 August 2005, 2♀♀ in Malaise trap, leg. Ø. Gammelmo & O. Lønnve; TEI, Kviteseid: Øvre Landsverk (EIS

17) 15 July–15 Sept. 1999, 1♀ in Malaise trap, leg. L.O. Hansen & D. Wisland.

**Note:** Redlisted (EN) based on records in eastern Norway (VE, AK, BØ) (Gammelmo et al. 2006).

**DD *Temnostoma sericomylaeforme* (Portschinsky, 1887)**

AK, Nesodden: Skoklefall (EIS 28) 27 June–9 July 2005, 1♂, Malaise trap, O. Lønnve.

**Note:** This is the second Norwegian record of this eastern species (Nielsen, 2005). Redlisted (DD) based on one record from Vest-Agder county (VAY) (Gammelmo et al. 2006).

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

VE, Tjøme: Moutstranda (EIS 19) 8 July 1983, 1♀, leg. A. Fjeldså.

**DD *Triglyphus primus* Loew, 1840**

Ø, Hvaler: Kjerkøy, Ørekroken (EIS 12) 22 June–16 July 2003, 3♀♀ in Malaise trap, leg. L.O. Hansen.

**Note:** Previously known from AK: Bærum (EIS 28) (Nielsen 1999). Redlisted (DD) based on this record only (Gammelmo et al. 2006).

***Xanthandrus comtus* (Harris, 1780)**

VE, Kristiansand: Nedre Timenes (EIS 2), October 2001, 1♂, at light; Beltevigga (EIS 2), October 2002, 1♀, at light, both specimens leg. K. Berggren, both in coll. NHMO.

***Xanthogramma pedissequum* (Harris, 1780)**

Ø, Fredrikstad: Foten (EIS 20) 1–3 July 2005, 1♀, leg. O. Lønnve.

**\* *Xanthogramma stackelbergi* Violovitsh, 1975**

AK, Asker: Konglungen (EIS 28) 7 July 1999, 1♀, leg. O. Sørlibråten; Frogd: Håøya (EIS 28) 3–16 June and June–July 1984, 1♂1♀, Malaise trap, leg. F. Midtgaard; VE, Våle: Langøya (EIS 19) primo and medio July 1987, 2♀♀, leg. L.O. Hansen; SFI, Luster, Solvorn (EIS 51), SE-facing thermophilic hillside 100–200 m, 1♀, pitfall trap, leg. J. Aanonby, coll. TRN (in Nielsen 2005 reported as *X. pedissequum*).

**Note:** This eastern species has recently been discovered to occur in Fennoscandia (Haarto & Kerppola 2007). *X. stackelbergi* separates from *X. pedissequum* in having a narrower black mark below the wing stigma, and in the coloration of the soft integument between the tergites and sternites on the abdominal segments 3–5.

\* ***Xylota ignava* (Panzer, 1798)**

**AK, OSLO:** Lindøya (EIS 28) 19 June–20 July 2006, 1♀, Malaise trap, meadow/forest-edge, leg. A. Endrestøl.

**Note:** Widespread in Europe, recorded from Sweden and Finland.

**EN *Xylota triangularis* Zetterstedt, 1838**

**HES, Kongsvinger:** Åranstorpet (EIS 38) 16 May–14 June 2004, 1♂ in Malaise trap, leg. K. Sund.

**Note:** Redlisted (EN) based on two records from northeastern Norway (FØ) (Gammelmo et al. 2006). In addition there is an old undated record of *X. triangularis* from Oslo (AK), this is the first record from south Norway since Siebke (1816–1875) collected this specimen.

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