

Lacewings (Neuroptera) and Alderflies (Megaloptera) from Finnmark, northern Norway

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Records of 22 species of Neuroptera and four species of Megaloptera from Finnmark, northern Norway are presented based partly on material collected in 2010, partly on material housed in the entomological collections at the Natural History museums in Norway. Of these, 13 species have previously not been recorded from Finnmark, i.e.: *Coniopteryx tineiformis* Curtis, 1834; *Hemerobius atrifrons* McLachlan, 1868; *H. fenestratus* Tjeder, 1932; *H. humulinus* Linnaeus, 1758; *H. marginatus* Stephens, 1836; *H. nitidulus* Fabricius, 1777; *H. pini* Stephens, 1836; *Micromus angulatus* (Stephens, 1836); *Symphorobius fuscescens* (Wallengren, 1863); *Wesmaelius concinnus* (Stephens, 1836); *W. mortonii* (McLachlan, 1899); *W. quadrifasciatus* (Reuter, 1894) and *Chrysoperla carnea* (Stephens, 1836). The total number of Neuroptera known to occur in Finnmark is now 23 of which four belong in the family Coniopterygidae, 17 in Hemerobiidae, and one in each of the families Chrysopidae and Sisyridae.

All four species of Megaloptera reported in this paper belong to the genus *Sialis* Latreille, 1802, the sole genus of the order occurring in Norway. One of these, *Sialis sibirica* McLachlan, 1872, is recorded as Data Deficient (DD) in the 2010 Norwegian Red List for Species. In addition to the four species reported here a fifth species, *Sialis lutaria* (Linnaeus, 1758) is known to occur in Finnmark.

Key words: Neuroptera, Megaloptera, distribution, Finnmark, Norway.

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Introduction

Early records of Neuroptera and Megaloptera species from northern Norway were published among others by McLachlan (1899) and Esben-Petersen (1902, 1910). Tjeder (1943) summarized these records and published new records from Nordland, Troms and Finnmark. An account of the Norwegian species of the family Coniopterygidae was published by Greve (1997), giving records of three species from Finnmark. In Limnofauna Norvegica (Aagaard & Dolmen 1996) check-lists of the Norwegian Megaloptera species and of the Neuroptera family Sisyridae are given, but without exact information on the localities of the different species (Greve 1996a, b). Records

of a few species are also available in Artskart (Artsdatabanken 2012).

In the present article we give new records of 22 species of Neuroptera and 4 species of Megaloptera from Finnmark. The article is partly based on the material collected in 2010 during the project "Insects inhabiting freshwater and humid habitats in Finnmark, northern Norway" (Ekrem *et al.* 2012). However, as the Neuroptera are mainly terrestrial, several species were not taken during the project focusing on freshwater and humid habitats. In addition, we therefore include records of all specimens of Neuroptera and Megaloptera identified by the senior author and housed in the Natural History museums in Oslo, Bergen, Trondheim and Tromsø.