

First record of *Oxyethira klingstedti* Nybom, 1983 (Trichoptera, Hydroptilidae) from Norway

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Oxyethira klingstedti Nybom, 1983 (Trichoptera, Hydroptilidae) is recorded for the first time in Norway, based on a male specimen collected in Tana, Finnmark in 2020. The species has a western Palaearctic distribution; it was described based on specimens from Finland and has so far only been recorded from northern Finland and Sweden and Northwest Russia. It inhabits cold trickles running on *Carex*-grown, mossy surfaces. Adults are found from late June to early August.

Key words: Trichoptera, Hydroptilidae, *Oxyethira klingstedti*, Norway, new record.

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Introduction

A male specimen of *Oxyethira klingstedti* Nybom, 1983 was collected in Tana in 2020. This represents the first and hitherto only record of the species in Norway. The species was described by Nybom (1983) based on males collected in Kuusamo in northeastern Finland in 1979. It belongs to the trichopteran family Hydroptilidae, a family with small to very small species with long, slender, densely pubescent wings with long fringes. The genus *Oxyethira* Eaton, 1873 is one of the most species rich genera of Hydroptilidae, distributed worldwide. Twenty-two species are listed from Europe, of which eight species have previously been recorded from Norway (Solem & Andersen 1996, Andersen & Hagenlund 2012).

Oxyethira klingstedti is a tiny species with dark, whitish-spotted forewings and dark grey antennae; the wing length is 2.2–2.8 mm in the male, 2.4–2.9 mm in the female (Salokannel &

Mattila 2018). It has previously been recorded from Finland and Sweden and from Northwest Russia. In Finland it is rare, only recorded from the northern parts of the country south to Ostrobothnia kajanensis (Salokannel & Mattila 2018). In Sweden it is only known from one locality in Pite Lappmark (Gullefors 2001).

Material and methods

The species was collected at an overgrown oxbow lake formed by a meandering river (Figure 1). The lake had very little open water and is no longer in direct contact with the river, except maybe at very high floods. The vegetation consisted of a *Carex* swamp (halophyte swamp) with mainly bottle sedge (*Carex rostrata*), but also with a lot of purple marshlock (*Comarum palustre*) and some *Sphagnum* moss. It is a belt of willow (*Salix*) bushes along the edge of the lake and mountain



FIGURE 1. The oxbow lake at Badjeringi, Tana, where the male of *Oxyethira klingstedti* Nybom, 1983 was collected. Photo K.M. Olsen.

birch (*Betula pubescens* ssp. *tortuosa*) on drier ground.

The specimen was collected with a sweep net and is preserved in 80% ethanol. It is housed in the collector's reference collection.

The record

Oxyethira klingstedti Nybom, 1983
(Figure 2)

Material: Troms and Finnmark (FN), Tana: northern part of Badjeringi, 70.0367°N, 28.0379°E, 20m a.s.l, 7.VII.2020, 1♂, leg. K.M. Olsen.

According to Salokannel & Mattila (2018), *O. klingstedti* inhabits cold trickles running on *Carex*-grown, mossy surfaces in Finland. The

adults are flying from late June to early August.

Oxyethira klingstedti is undoubtedly rare in northern Norway, but might well occur in more localities. However, due to the small size, it is easily overlooked during fieldwork.

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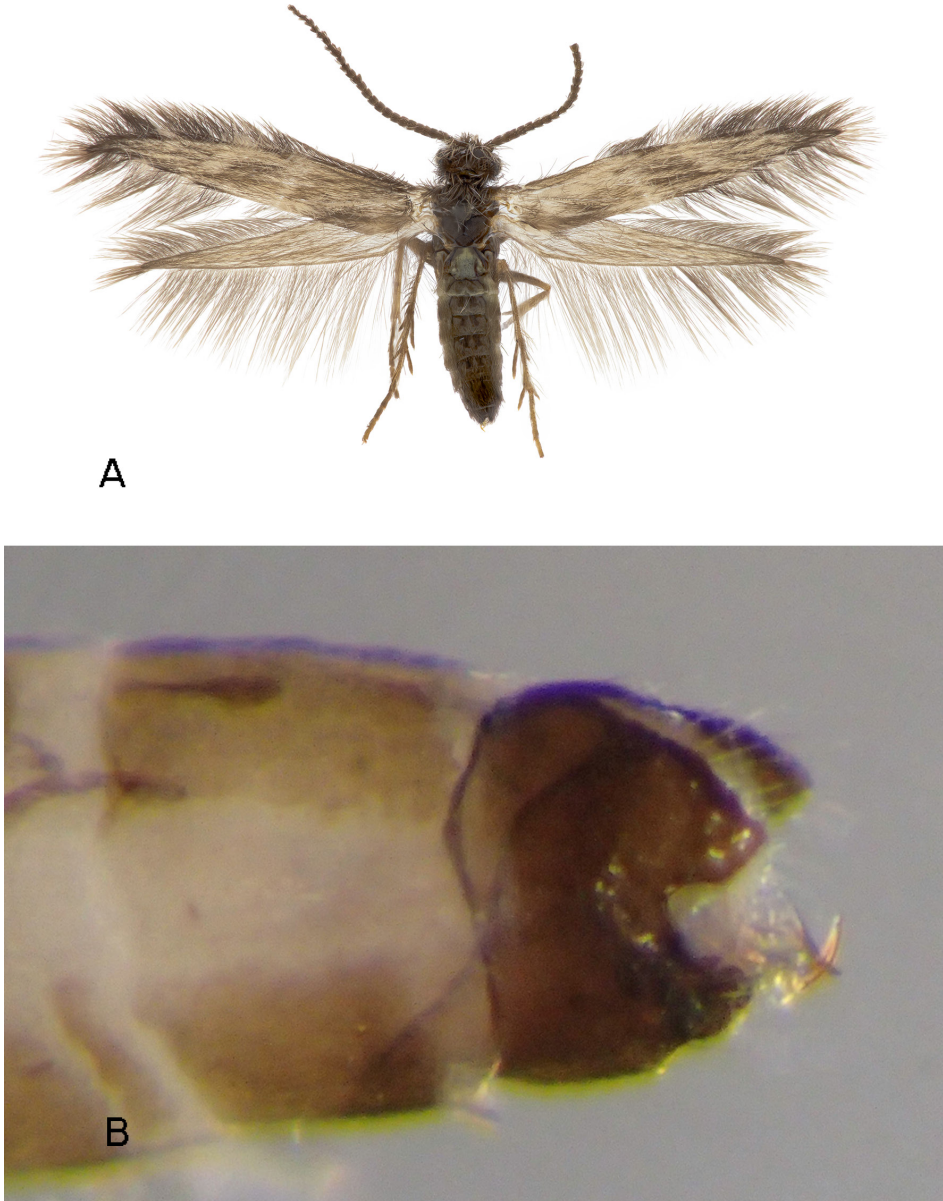


FIGURE 2. *Oxyethira klingstedti* Nybom, 1983. **A.** Male from Finland. Photo H. Elven. **B.** Lateral view of the tip of the abdomen of the male from Badjeringi, Tana. Photo K.M. Olsen.

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