Overwintering mosquitoes of Northern Europe

Text and photo, Anders Lindström

Illustrations, Disa Eklöf

ar which a dealer the second of the second of the

Maculipennis-complex

Malaria mosquitoes. Breeds in permanent waters, ditches, ponds. Overwinters as adult females. Easiest to find fall to spring

> Leaning forwards, "front heavy"

Five species that cannot be identified morphologically: Anopheles messeae Anopheles daciae Anopheles beklemishevi Anopheles maculipennis s.s. Anopheles atroparvus

Spotted wings

Light band on scutum

Long palps held close to proboscis, add to the front heavy look

Culiseta annulata

Spotted wings

Overwinters as adult female. Can take blood meals in wintertime. Breeds in all sorts of water. Adult mosquitoes can be found in all months of the year.

Subapical light band on femur

and the state of the

Light band in the middle of the first tarsal segment

Bild: Anders Lindström

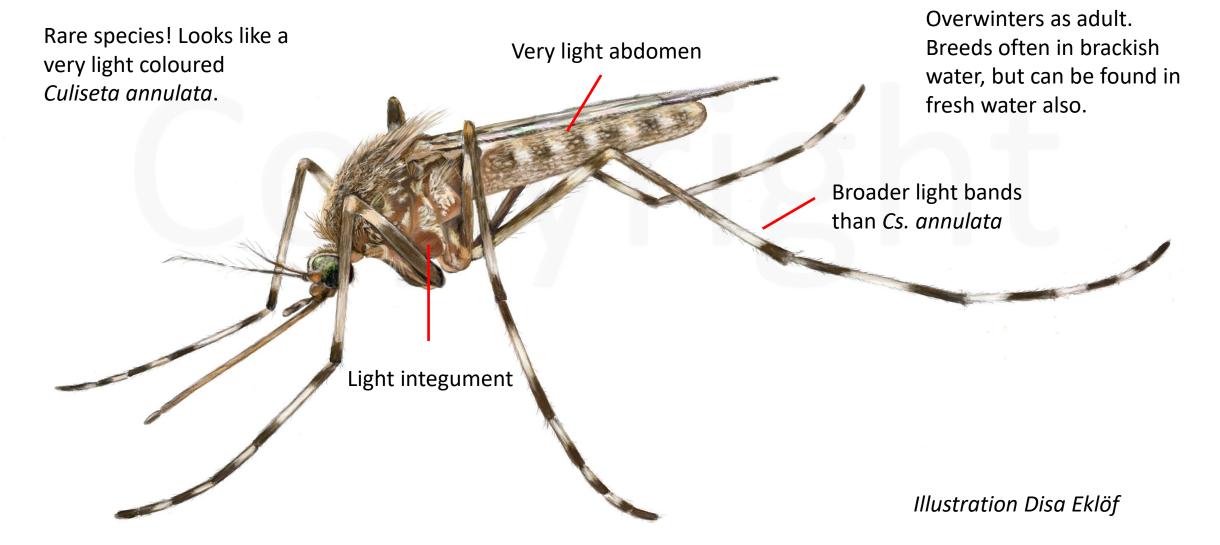
Culiseta annulata 🔿

Although it will not live through the winter, male *Cs. annulata* can be found all autumn and well into December.

Males can be recognised on their long palpi and bushy antenna. They do not take bloodmeals.

Bild: Anders Lindström





Culiseta alaskaensis

Very large! The largest mosquito in Northern Europe

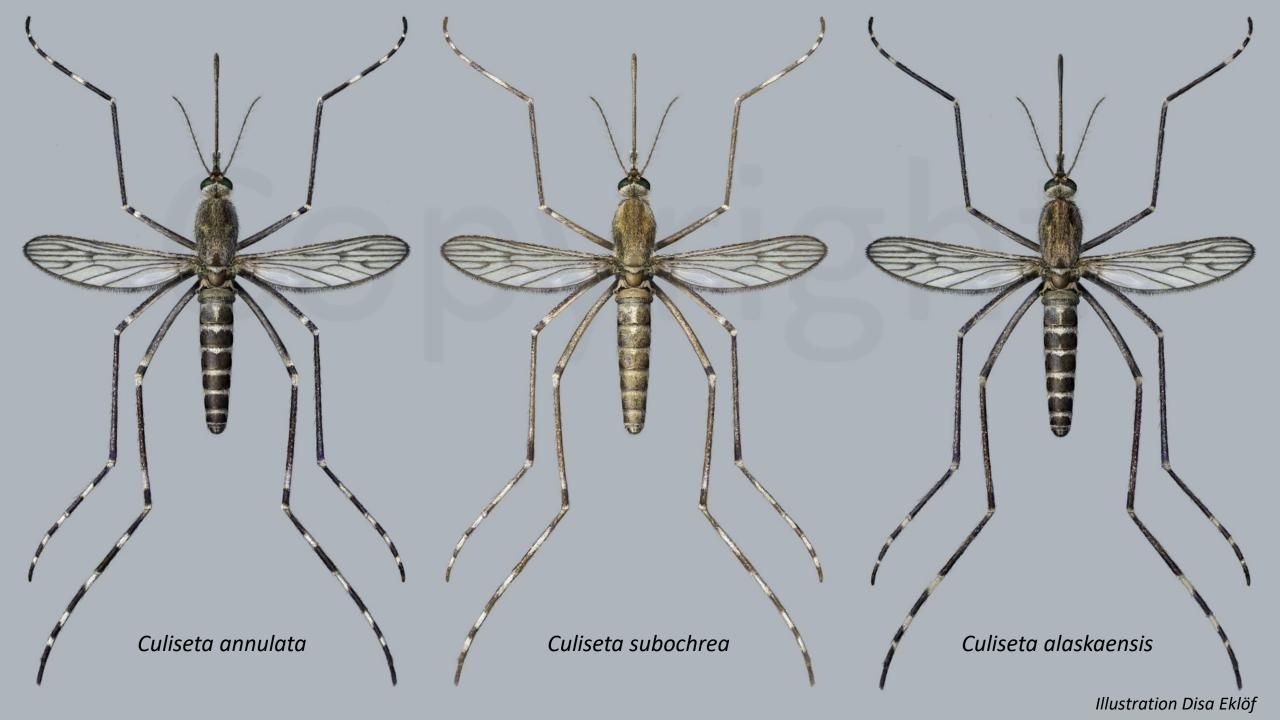
No subapikal band

Overwinters as adult, one of the first on the wing in spring. Can be found in many different habitats.

Light bands on the other tarsal segments

First tarsal segment without light bands

Bild: Anders Lindström



Culiseta bergrothi

Overwinters as adult. A forest species, breeds in shadowed pools in needle- and mixed forests Faint spots on the wings

All dark legs

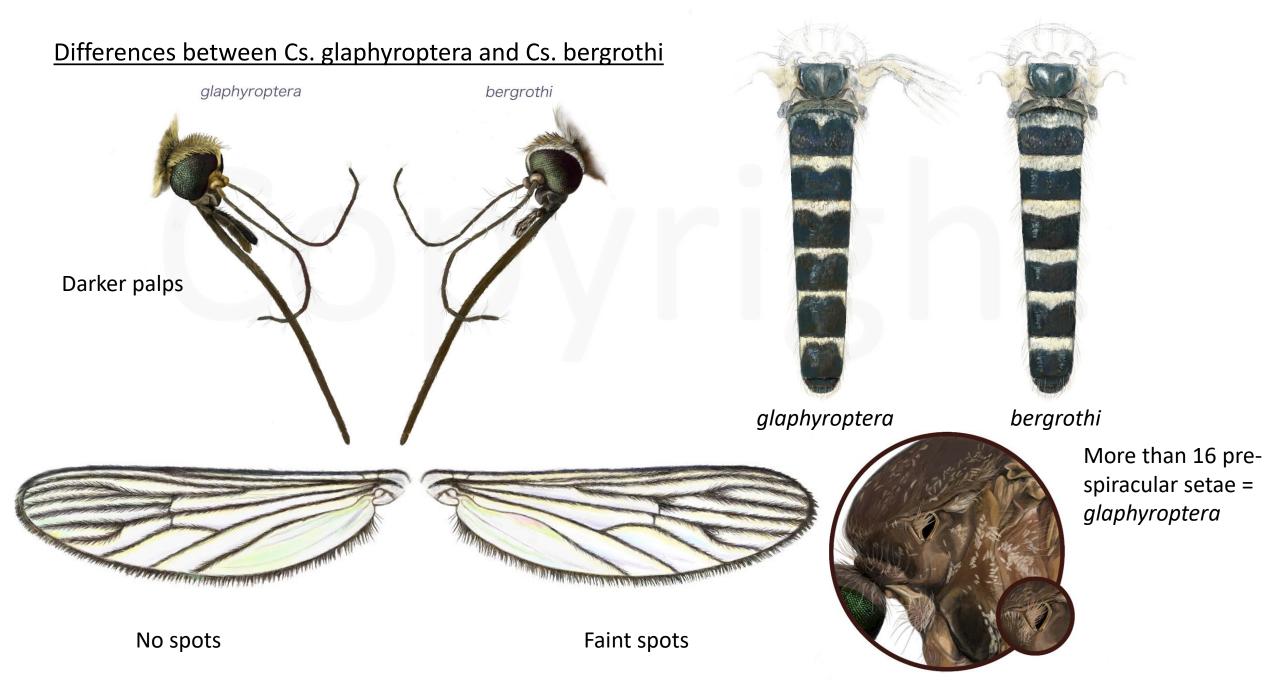
Culiseta glaphyroptera

Dark legs

Overwinters as adult. Breeds in rocky pools with dead leaves on the bottom.

Large! Often found overwintering several together. Unspotted wings

Dark palps



Culex pipiens

Overwinters as adult. Can breed in all sorts of stagnant water. Often in containers.

Very similar to *Cx. torrentium,* but always lack prealar scales

Fewer scales on the sides than in *Culiseta* Abdominal bands basally on the tergites

Smaller than a Culiseta

III. Disa Eklöf Bild: Anders Lindström

Culex torrentium

Very similar to *Cx. pipiens*. Has got prealar scales, but these can be worn off. Overwinters as adult. Can breed in all sorts of stagnant water. Often in containers. Males of Cx. pipiens and Cx. torrentium can also be found in late fall, beginning of winter.

and the second sec

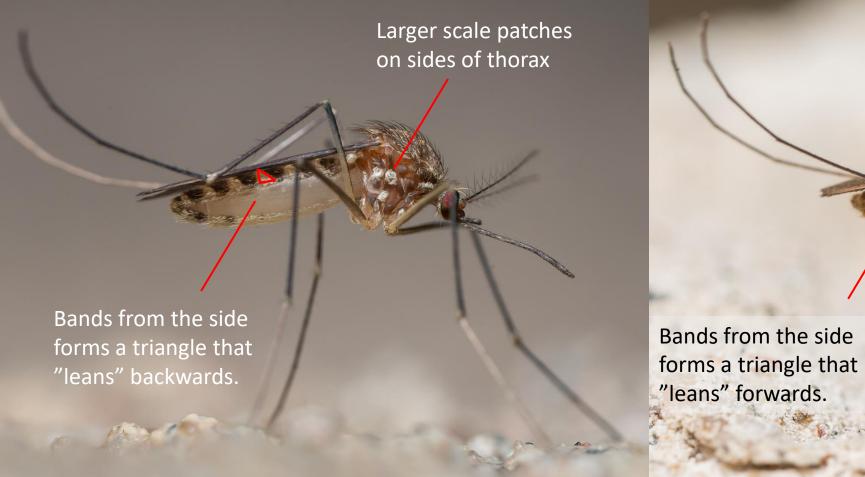
Culex territans

Overwinters as adult. Larvae in pools, ditches etc, with vegetation.

> Light bands in apical part of tergites.

Culex territans

Culex pipiens/torrentium



Smaller scale patches on sides of thorax

Generally more contrasty

Redbrown, not so contrasty

Bilder: Anders Lindström

Culex modestus

Overwinters in reeds. Often coastal.

No light bands on the abdomen

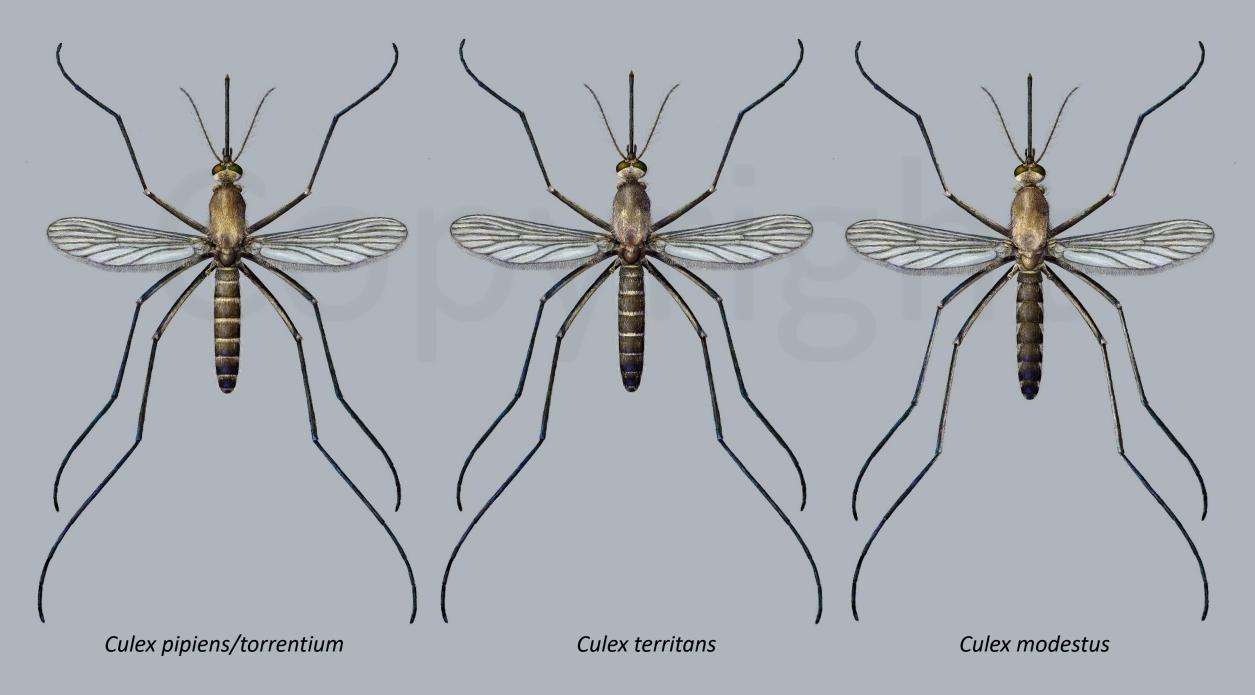


Illustration Disa Eklöf