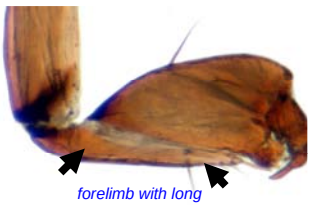
Quick-guide to New Zealand Hydrobiosidae larvae

Tiphobiosis

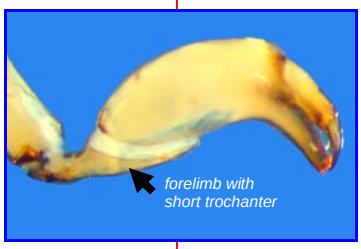


forelimb with long trochanter

YES

Does the foreleg trochanter extend the length of the foreleg femur?

NO



forelimb with short trochanter

combination of white abdominal segments and reddish head and pronotum

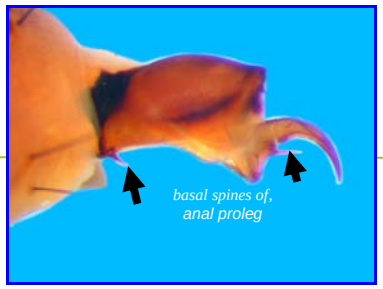
YES

Are the head & pronotum uniformly reddish-brown, & the abdominal segments white?

NO

Is a basal spine present on the lateral sclerite and tarsal claw of the anal prolegs? Note spines only present on specimens with head width > 0.5 mm

YES



basal spines of, anal proleg

Costachorema

NO

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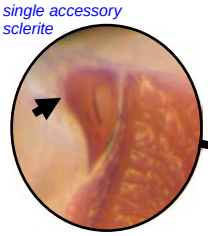
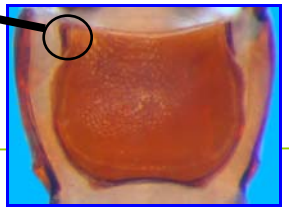
Does the prosternal plate have a single accessory sclerite restricted to each antero-lateral corner, & is the posterior half of the frontoclypeus acutely angled?

YES



single accessory sclerite



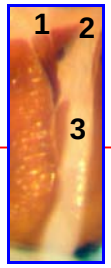
prosternal sclerite

frontoclypeus

Traillochorema

NO

prosternal sclerite



three accessory sclerites present

Hydrochorema

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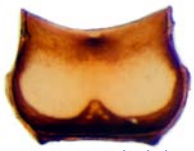
Is the frontoclypeus simple in outline i.e., no lateral projections? If more then one prosternal sclerite is present, does it also have a central pin or large rectangular lateral sclerites?

YES

frontoclypeus simple lateral projections absent

Is the head & pronotum uniformly pigmented either yellowish or reddish-brown? Is the prosternal sclerite as above?

YES

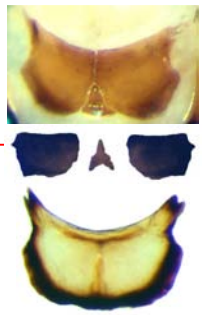


prosternal sclerite

Edpercivalia

NO

head & pronotum not uniformly pigmented

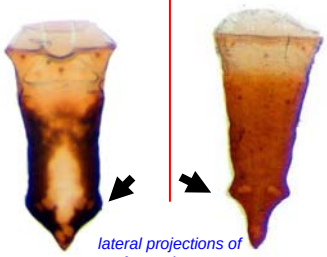


variations in prosternal sclerite shape

Hydrobiosis

NO

the frontoclypeus has conspicuous lateral projections, & the prosternal sclerite has an accessory sclerite on each antero-lateral corner (it may be hidden or tucked under the base of the forelegs)



lateral projections of frontoclypeus

accessory sclerite

prosternal sclerite

Is the head & pronotum uniformly pigmented reddish-brown, & the abdomen brownish?

YES

only known from Fiordland

unknown genus A

NO

Is the anterior margin of the frontoclypeus distinctly concave, & lateral margins sub parallel? Does the abdomen have large pale patches?

YES

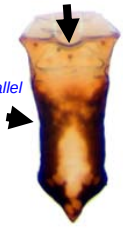
large pale patches

abdomen

prosternal sclerite

Neurochorema

distinct concavity



sub-parallel lateral margins

frontoclypeus

NO

lateral margins tapering

frontoclypeus

Psilochorema