

## Example - taxonomy notes

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25/10/06

Trichoptera

All References Hawking, J.H., Smith, L.M., Le Busque, K. (2006 onwards) *Identification and Ecology of Australian Freshwater Invertebrates*. [www.mdfr.org.au/bugguide](http://www.mdfr.org.au/bugguide)

### Leptoceridae *Oecetis*

MIMP Site 2 Snag 1 April 2006

Leptoceridae – 16b metanotum membranous, without ridge; 15a metasternal setae; 13b mid tarsus not fused; 12b abdomen not swollen; 11b head not markedly narrower than thorax; 3b case making, with lateral & dorsal humps; 2b pronotum not broadest at half length; 1b not spiral

*Oecetis* – 2a No sclerites on metanotum, mouthparts elongate, large mandible; stick case; 1b No sclerites on metanotum

compared to voucher (*Oecetis* sp.) from Mitta River AWDC stn 2 (not verified)

### Hydropsychidae new moult? TC594

Mitta Site 502 Riffle – Kick April 2006

Hydropsychidae – 5a Abdominal gills present; 4a Dorsal sclerotization on all 3 thoracic segments; 3a free swimming, without lateral & dorsal humps; 2b meso- & metanotum fully sclerotized (but faint); 1b not spiral

*genus* – pale and not well developed enough to see key characteristics  
no ref voucher

26/10/06

### Leptoceridae *Triplectidina nigricornis* TC597

Mitta Site 504 Edge – Sweep April 2006

Leptoceridae – 16b metanotum membranous, without ridge; 15a metasternal setae; 13b mid tarsus not fused; 12b abdomen not swollen; 11b head not markedly narrower than thorax; 3b case making, with lateral & dorsal humps; 2b pronotum not broadest at half length; 1b not spiral

*Triplectidina* – 16a Pronotum front margin straight; hind tibia with division at about 1/3 length of segment; case made of detritus; 15b Metasternum without sclerites; pronotal anterolateral corner rounded; 13b Metanotal lateral sclerites short (but looked very pale and almost long); pronotum without a process on front margin; 12b Hind tibia divided (1 of 3 others excessively faint); dis ~~WA~~; 10b Metanotum with less than 6 sclerites; metasternum without a row of small sclerites; 9b metanotal sclerites not small; 4b metanotum with sclerites; 3b antennae long; 2b mandibles not large and flat; 1b metanotal sclerites not covering most of segment

compared to ref voucher (*Triplectidina nigricornis*) from Fraser River, King Island (not verified)

27/10/06

### Hydrobiosidae *Taschorema* complex

Mitta Site 507 Edge – Sweep April 2006

Hydrobiosidae – 7a Foreleg modified; 6b Labrum sclerotized, anterior margin not broader than posterior margin; 4b Dorsal sclerotization on pronotum only; 3a free swimming, without lateral & dorsal humps; 2b pronotum not broadest at half length; 1b not spiral

*Taschorema* complex – 3a chela should be strongly developed but tibia/tarsus/claw was reduced; abdominal proleg without ventral spine at base of lateral sclerite, but with a long seta further posteriorly on ventral margin of the sclerite

compared to voucher from Murray River at Talmalmo (verified John Dean)

### Philopotamidae *Chimarra monticola*

Mitta Site 505 Riffle – Kick April 2006

Philopotamidae – copy

*Chimarra* – 1a Ventral surface of head with transverse groove adjacent to occipital margin; fore coxa with 1 sclerotized process on anterior margin

*monticola* – (Cartwright 1997) 9b dis ~~NE Qld~~; 8a right mandible with prominent projection on inner margin, viewed ventrally (very difficult to see); 6b dis ~~N-Aus~~; 5a dis ~~N-Aus~~; 4b dis ~~Qld~~; 1b dis ~~N-Aus~~

compared to voucher from East Kiewa River (verified David Cartwright)