



# Binatang bilong wara - PNG Highlands

Freshwater Invertebrates (Waterbugs) from rivers and streams in the PNG Highlands

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## Gordian Worms

**Class:** Nematomorpha  
**Family:** Gordiidae

Pikinini bilong dispela binatang isave stap long wara na save igo insait long bel bilong ol arapela binatang na silip insait long ol. Na taim em groa bikpela em save kilim indai ol binitang em silip insait lon bel bilong ol long en, na em i save go silip lon wara lon karim nupela pikinini.



## Naucorids

**Order:** Hemiptera  
**Family:** Naucoridae



Dispela binatang bilong wara igat wanpela bigpela tit kain olsem nus bilong pisin na tupela han bilong em igat nil bilong hukim na holim ol binatang na kaikai.



## Mayfly Nymphs

**Order:** Ephemeroptera  
**Family:** Baetidae (Top and Middle)  
**Family:** Prosoptomatidae (Lower Left)  
**Family:** Leptophlebiidae (Lower Right)

Dispela binatang i laikim gutpela wara igat planti oxygen. Sapos wara i bagarap em save dai pastiam long ol arapela binatang.



## Caddisfly Larvae

**Order:** Trichoptera  
**Family:** Leptoceridae (Top Left and Middle)  
**Family:** Calamoceratidae (Upper Right)  
**Family:** Hydropsychidae (Lower)



Sampela caddisfly pikinini i save wokim haus, sampela ol i no save wokim haus. Haus bilong caddisfly pikinini em i gat liklik hap lip na diwai olsem wesana na liklik ston.



## Maggots/Fly Larvae

**Order:** Diptera  
**Family:** Simuliidae (Left)  
**Family:** Chironomidae (Middle and Right)



Dispela pikinini binatang istap long olgeta ples.



**Family:** Oreoleptidae (?) - Megamaggot



## Crustaceans

**Order:** Decapoda  
**Family:** Palaemonidae (Left)  
**Family:** Hymenosomatidae (Right)



Kindam na Kuka, i wankain olsem kindam na kuka bilong solwara tasol bilong solwara em i moa bigpela.



## Dragonfly Nymphs

**Order:** Odonata  
**Family:** Libellulidae

Dispela binatang save kaikai ol arapela binatang. Supos ol liklik binatang stap longwe em i gat longpela maus- em save sut kamaut olsem sinak na em i kilim dai pinis o dispel binatang na save kaikai.



## Water Striders

**Order:** Hemiptera  
**Family:** Gerridae

Dispela binatang em i wokabout antap long wara. Em i gat longpela lek olsem na em i ran kwik. Dispela save kaikai ol arapela binatang.

A free education resource provided by:  
**The Waterbug Company Pty Ltd**  
[www.thewaterbug.net](http://www.thewaterbug.net)

Gutpela na klinpela wara i gat planti planti arakain binatang istap insait long en. Lukim ol binatang bilong wara, na lukautim gut wara bilong yu.

