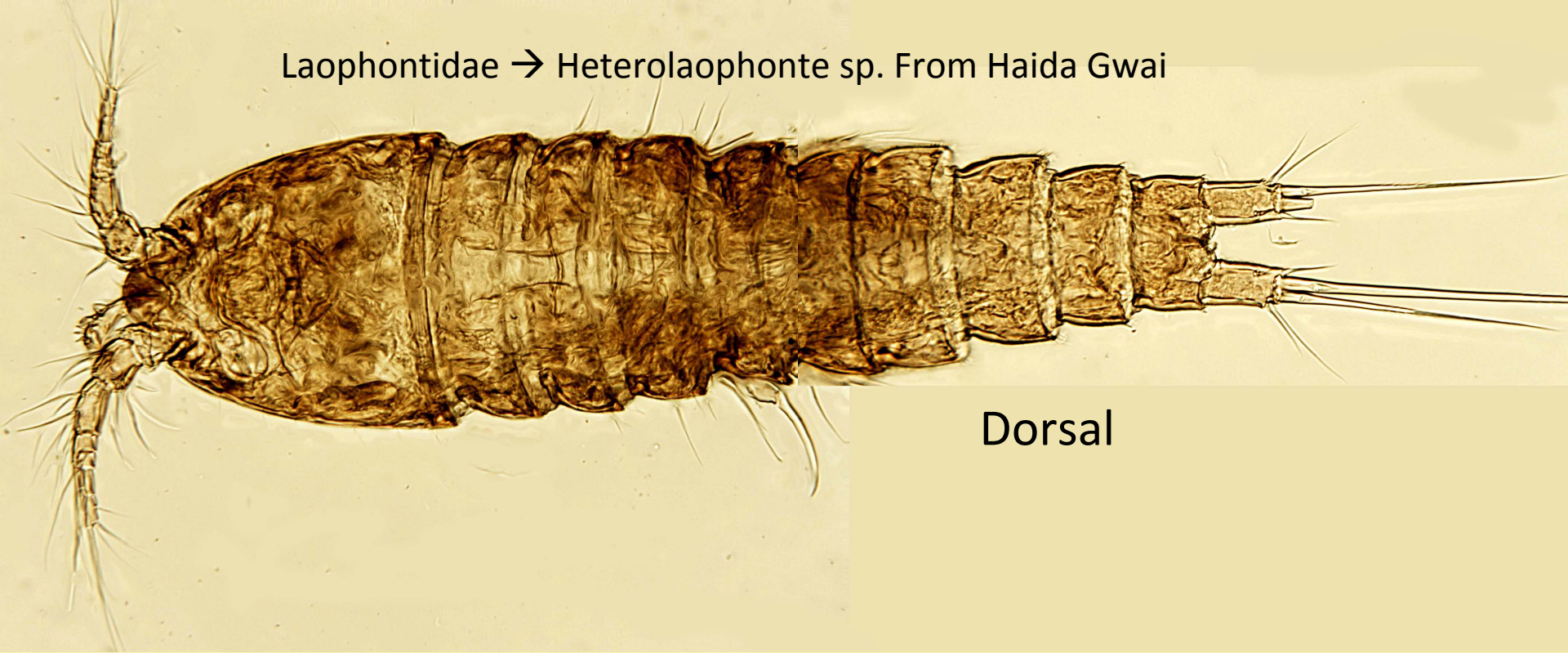
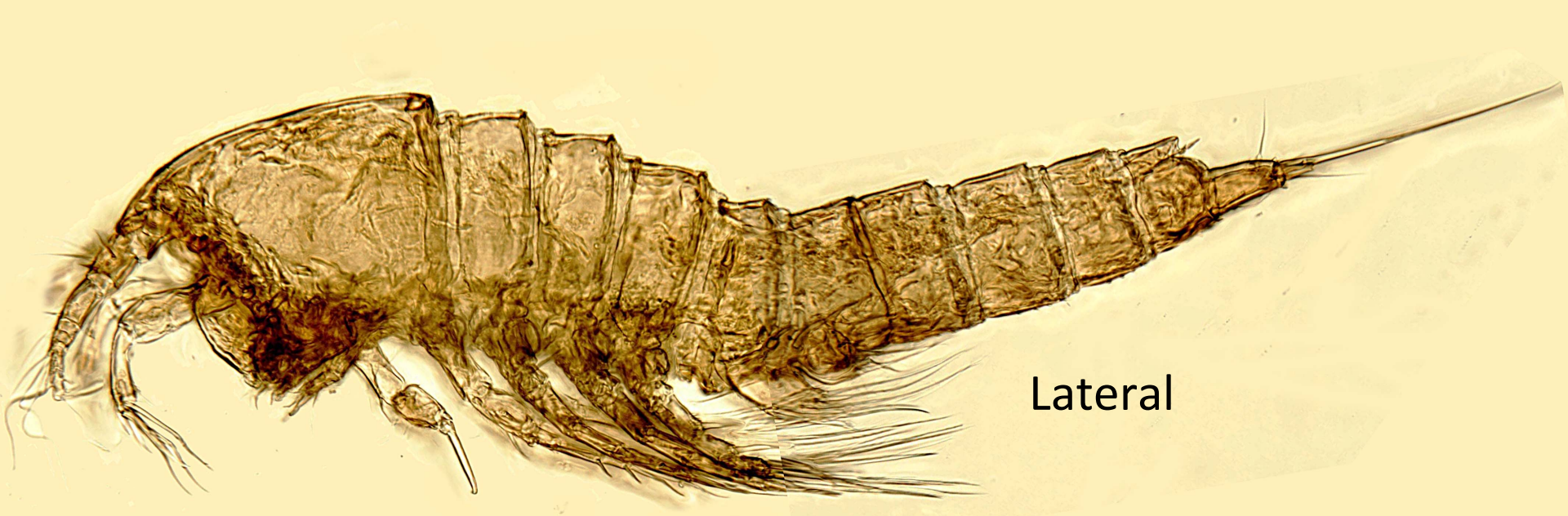


Laophontidae → Heterolaophonte sp. From Haida Gwaii



Dorsal



Lateral

## Heterolaophonte Lang, 1948

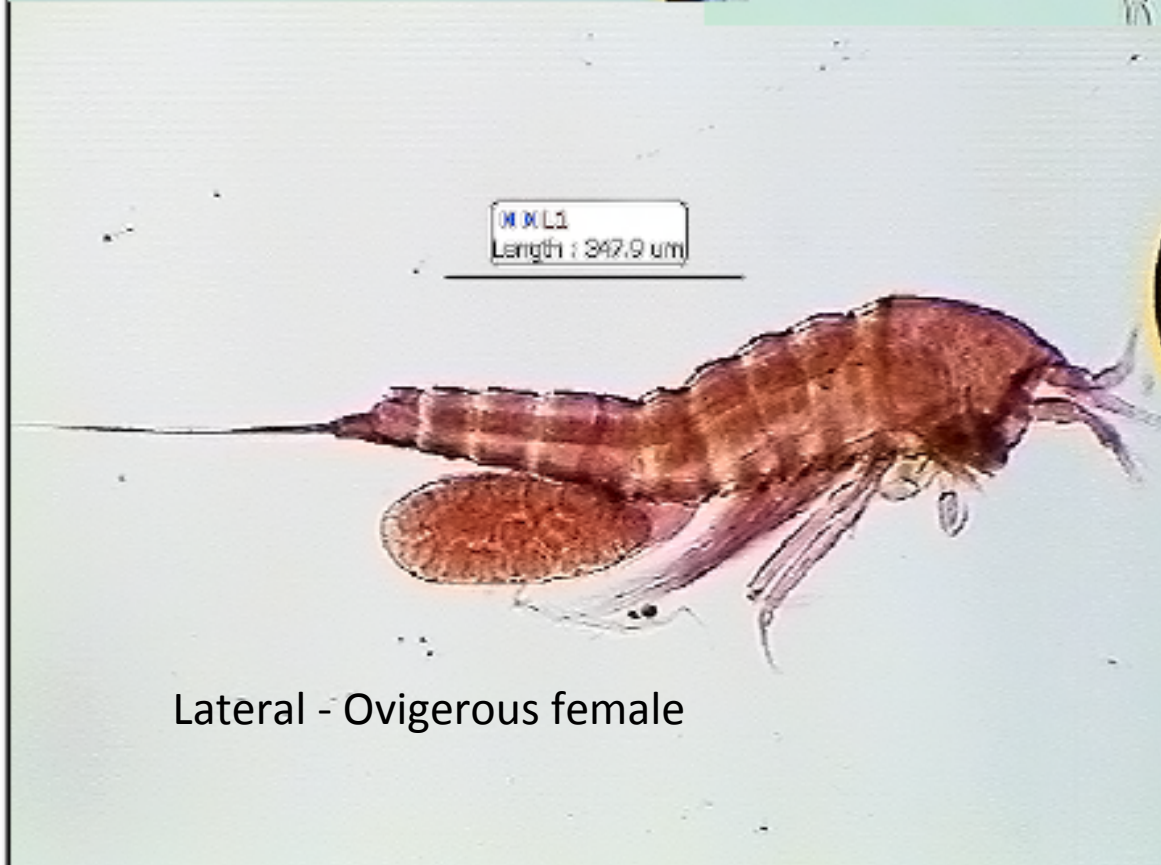
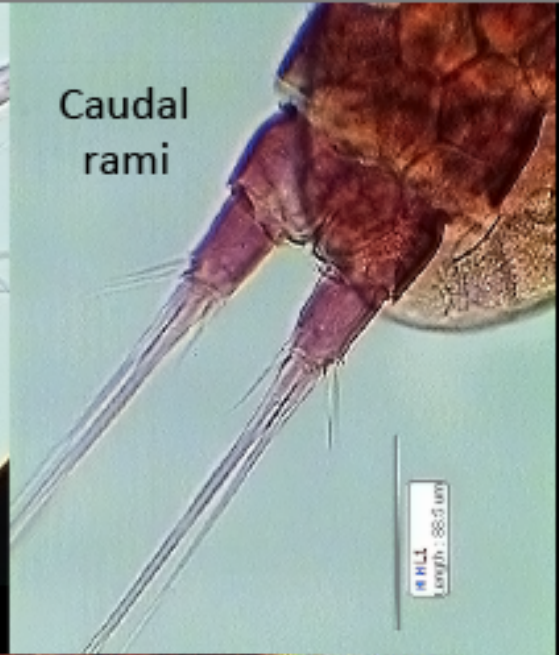
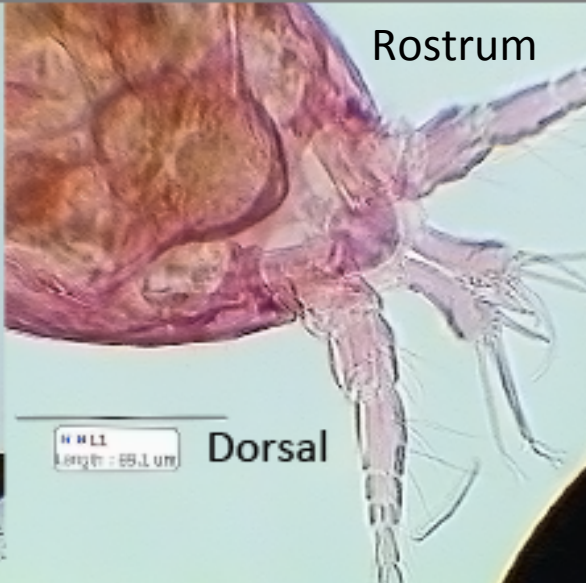
The genus *Heterolaophonte* currently (2019) contains at least 57 species! Members of the genus are found in all oceans, at almost all latitudes - from the Arctic to Antarctic. At least 4 species have been recorded from the Eastern Pacific coast, from California to Alaska.

So far, from collections in Comox and through Haida Gwaii, there appears to be only one species, a species that differs (P-3 & P-4 exopodite armature) from other species found on the Eastern Pacific Coast. However, with the potential for more than one species in the area, this summary covers the genus *Heterolaophonte* rather than a particular species.

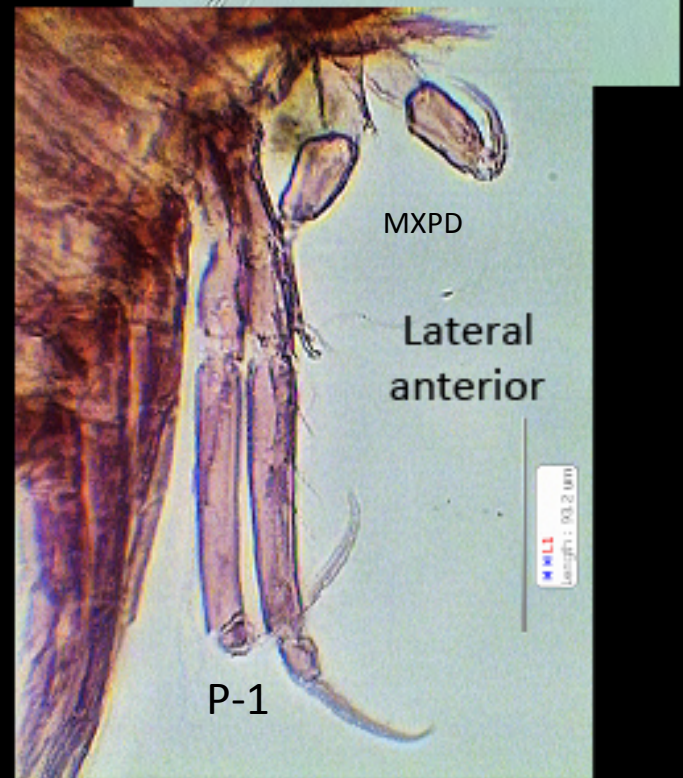
With its torpedo shape, species of *Heterolaophonte* are most likely free-swimming, using eelgrass or macroalgae as a place to obtain food. Although they appear to collect diatoms and other food material from attached plants, they may also be obtaining food (e.g. diatoms) from the plankton. Their movements and feeding habits can be compared to those of a backyard bird - flitting about, darting to a food source and then moving quickly away from both competitors and predators.



Dorsal - Ovigerous female



Lateral - Ovigerous female

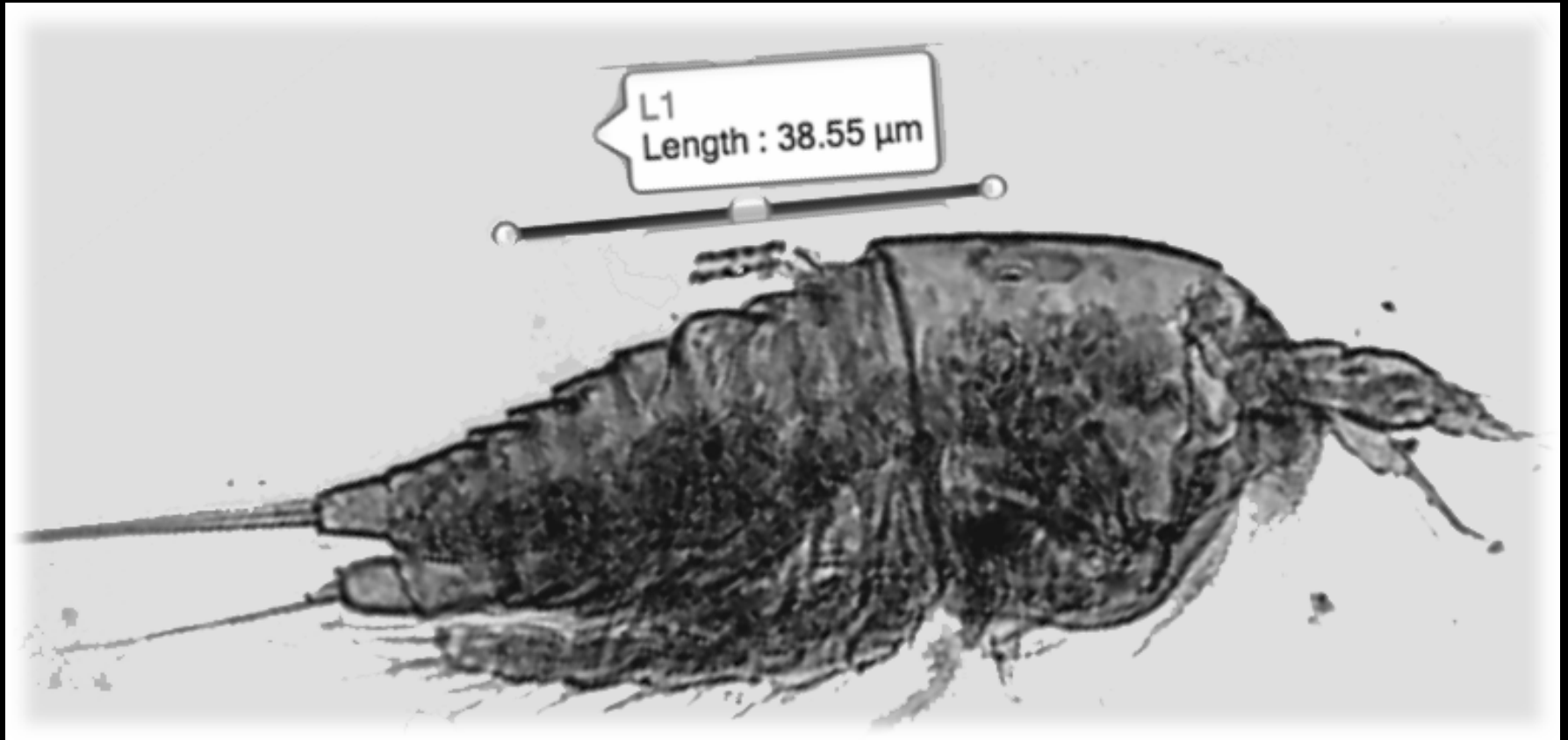


MXPD

Lateral anterior

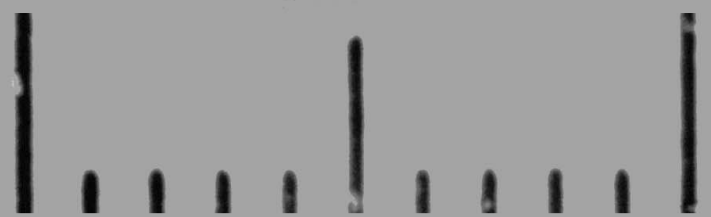
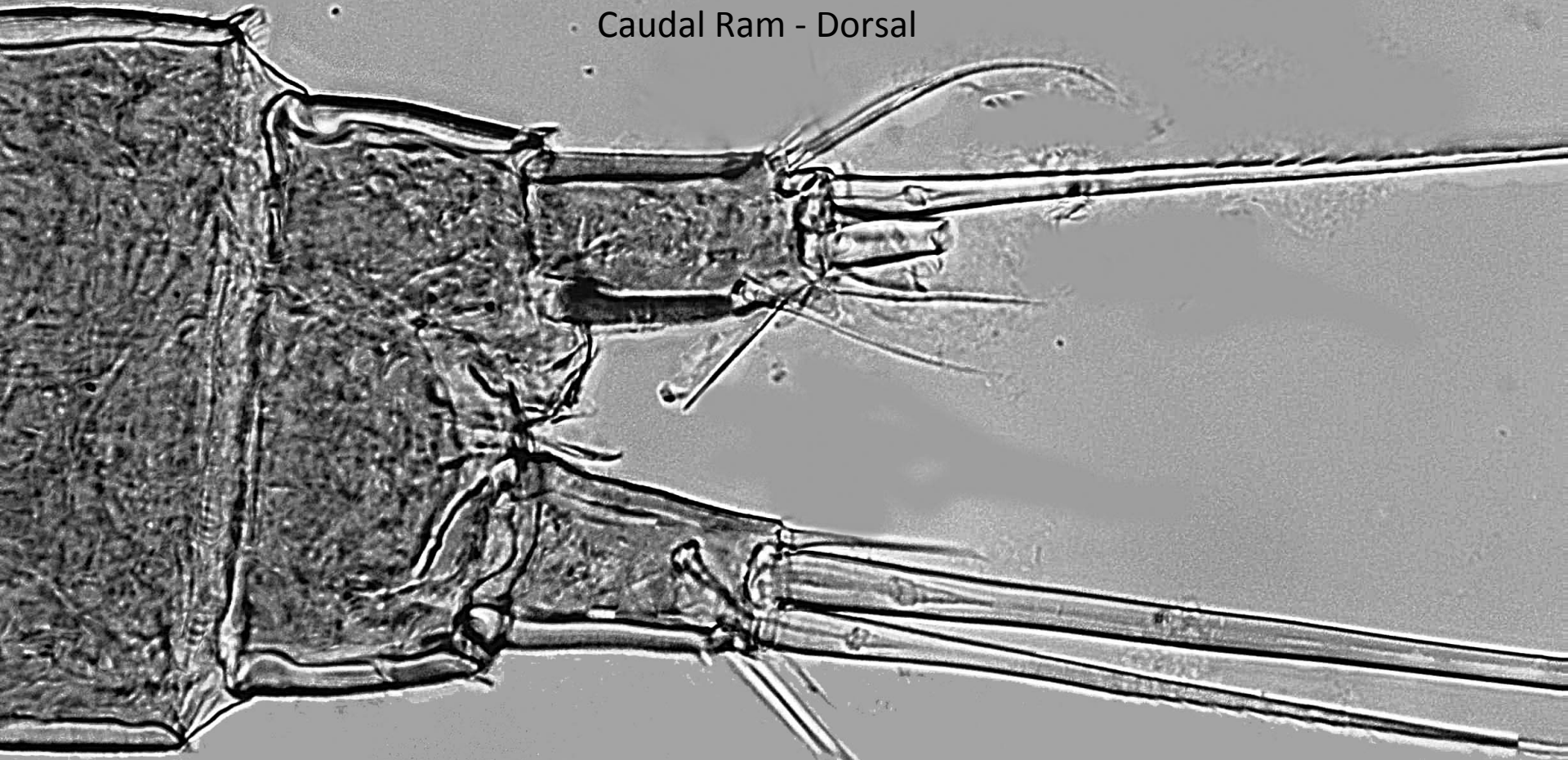
P-1

# Lateral View of late copepodid stage



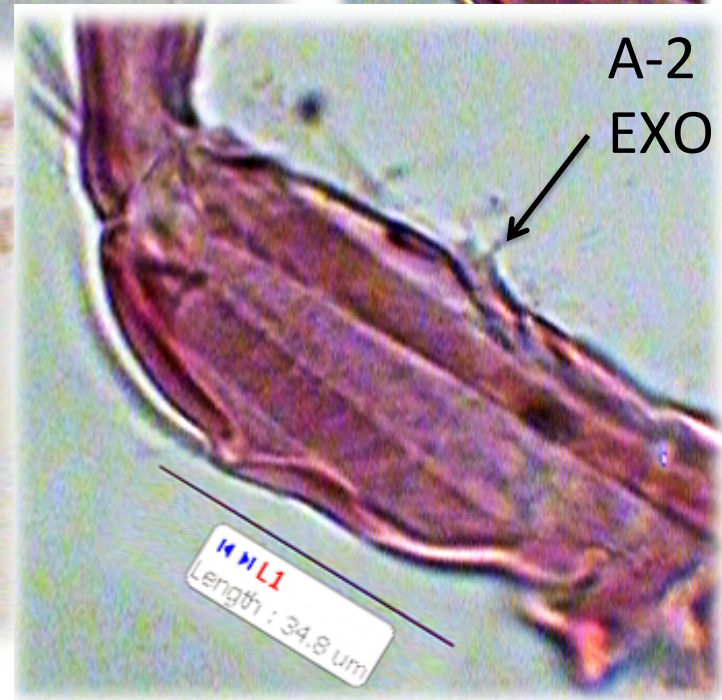
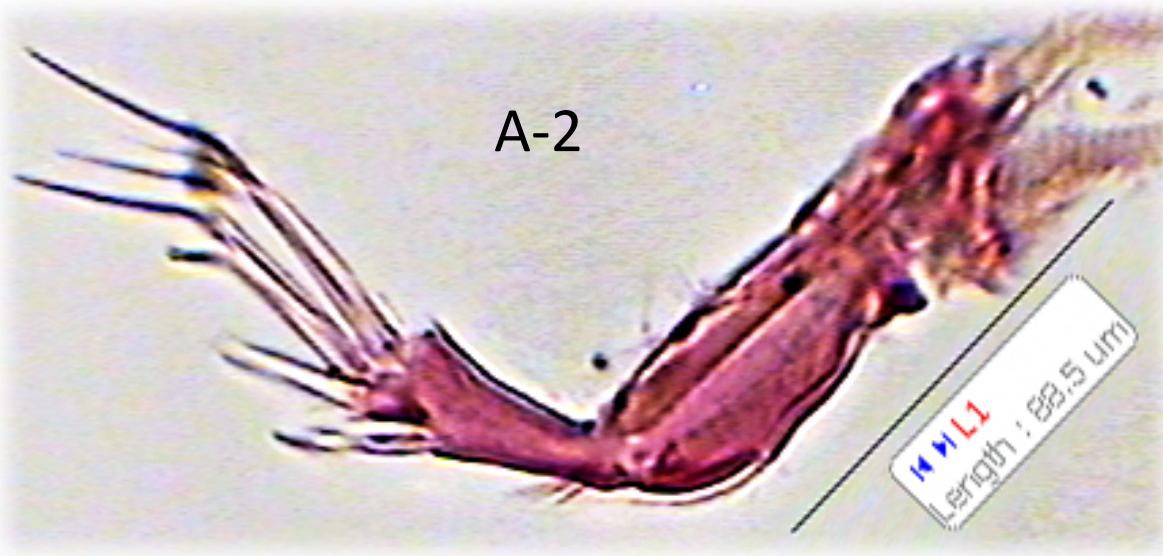
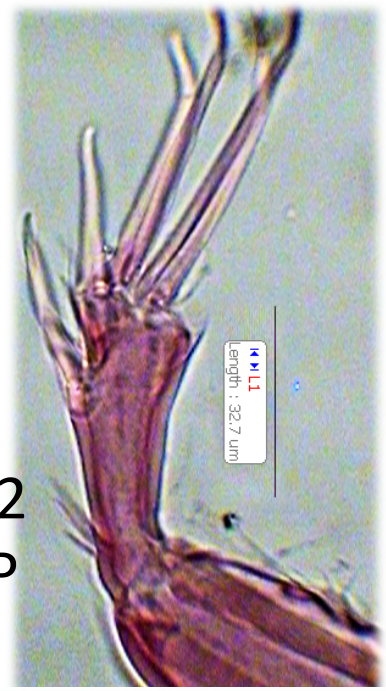
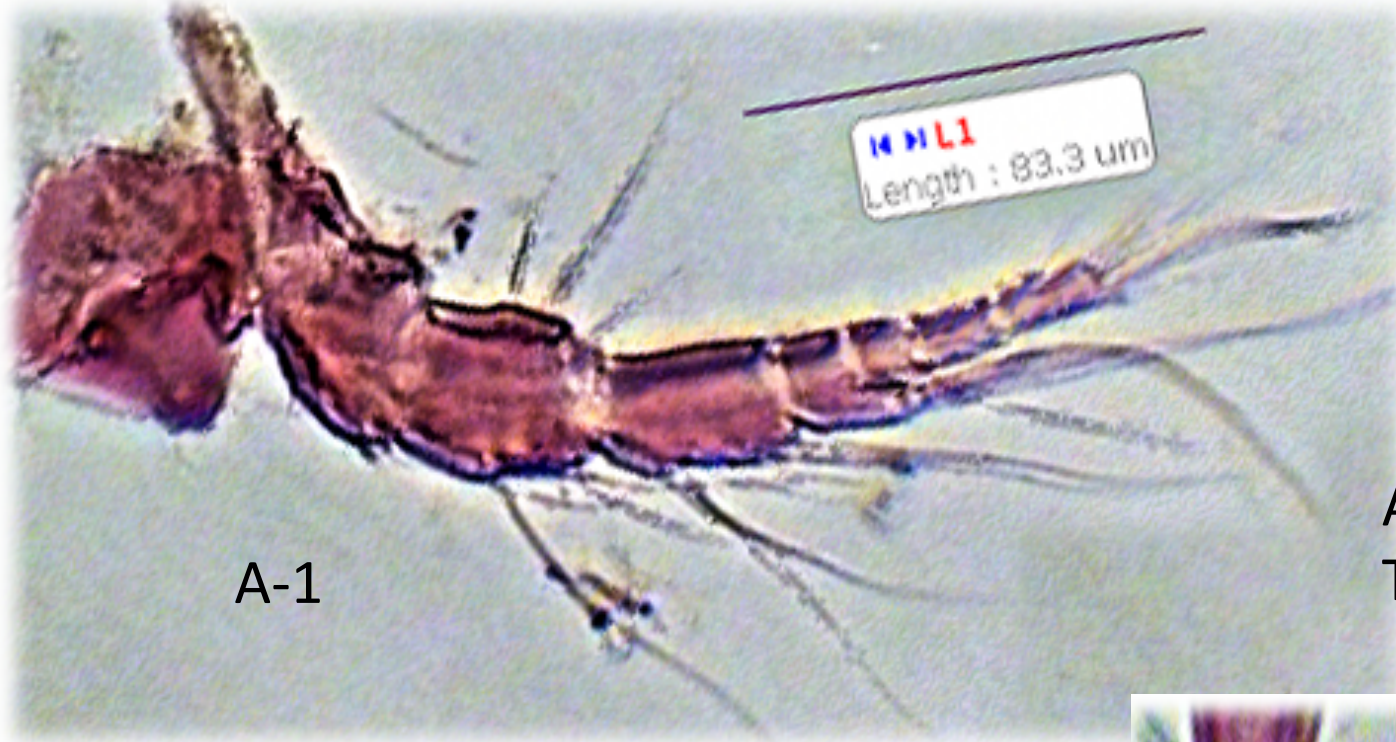


Caudal Ram - Dorsal



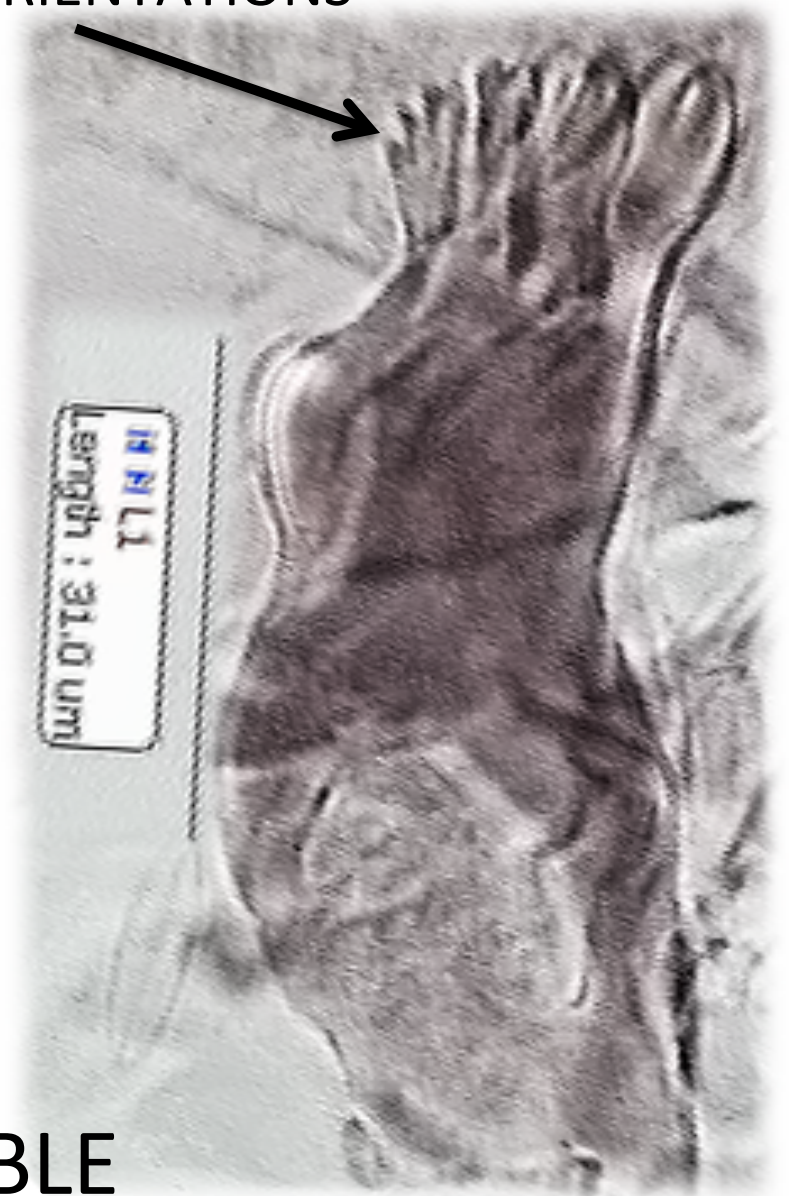
0.1mm







# GNATHOBASE ORIENTATIONS



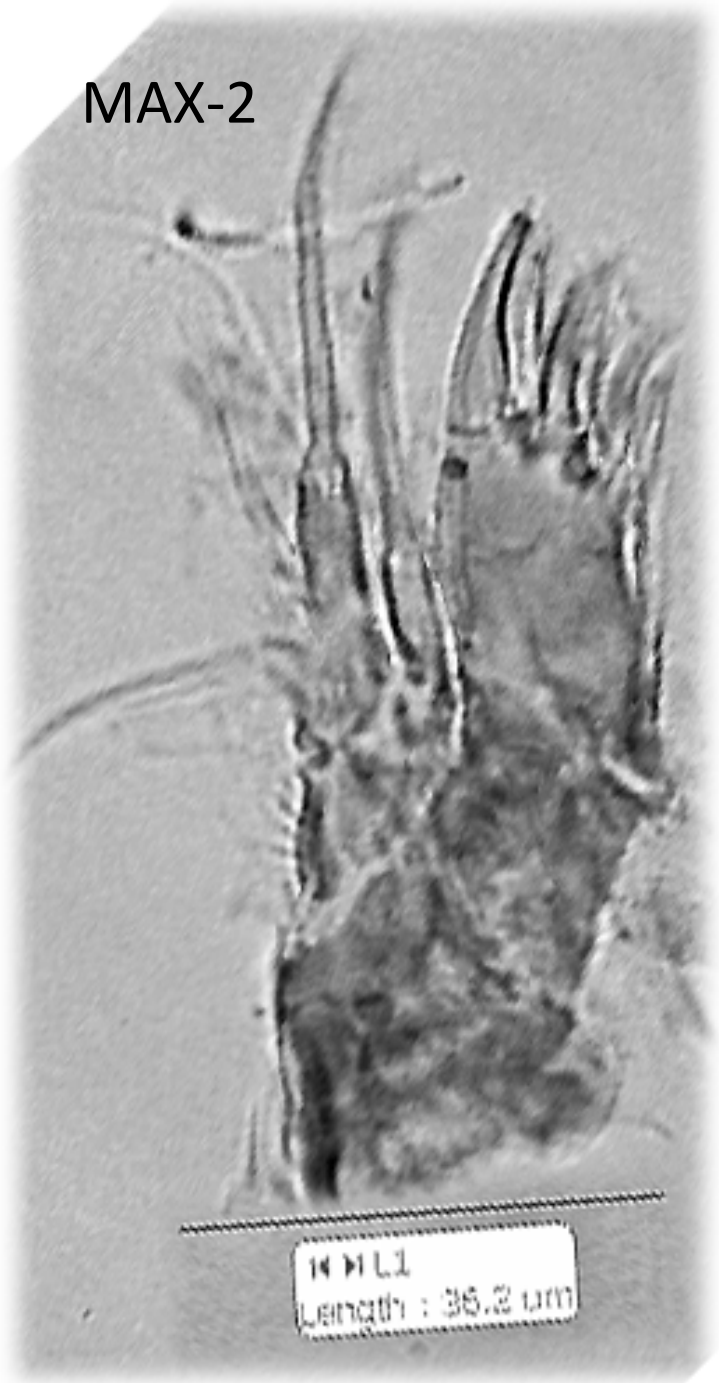
MANDIBLE

MAX-1

MAX-2



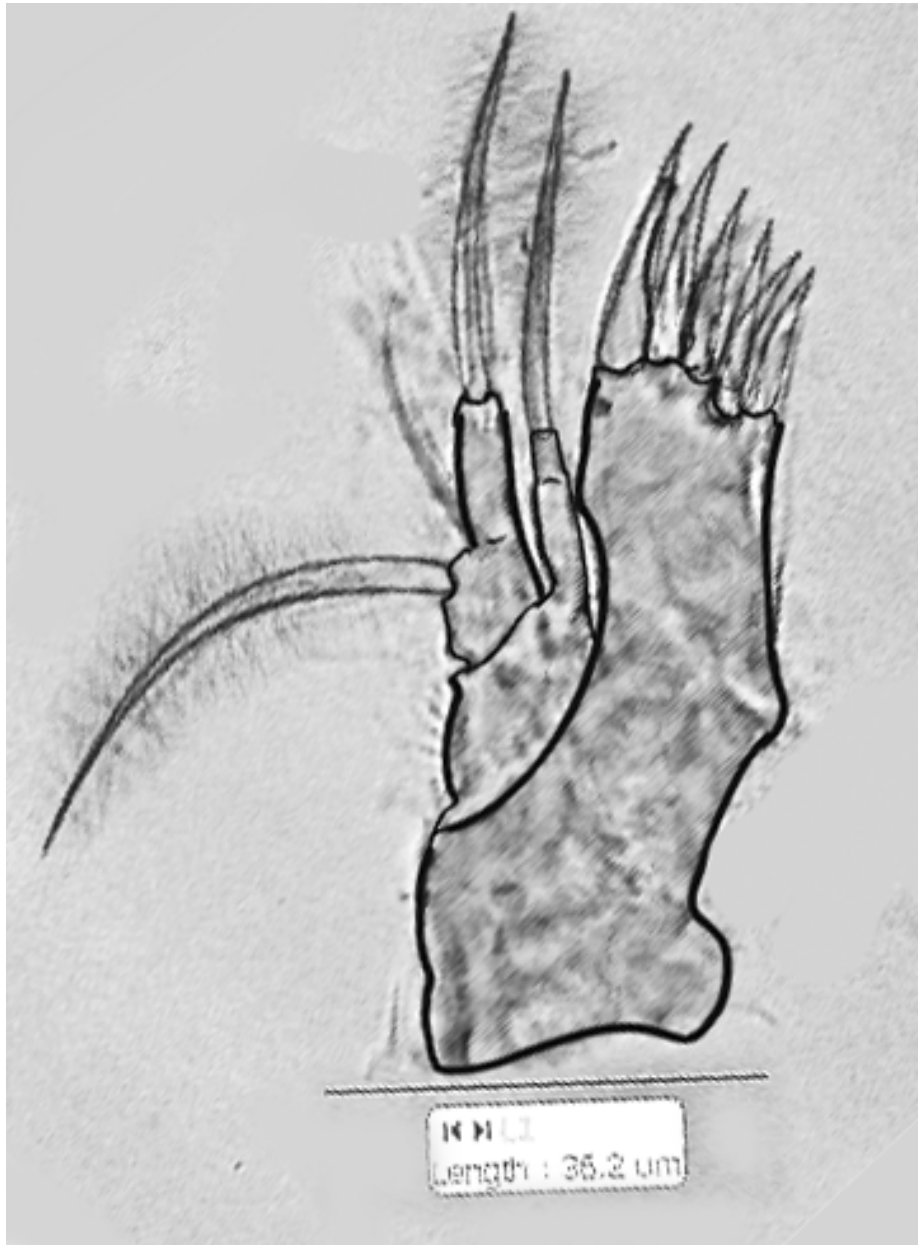
◀ ▶ L1  
Length : 34.0 um



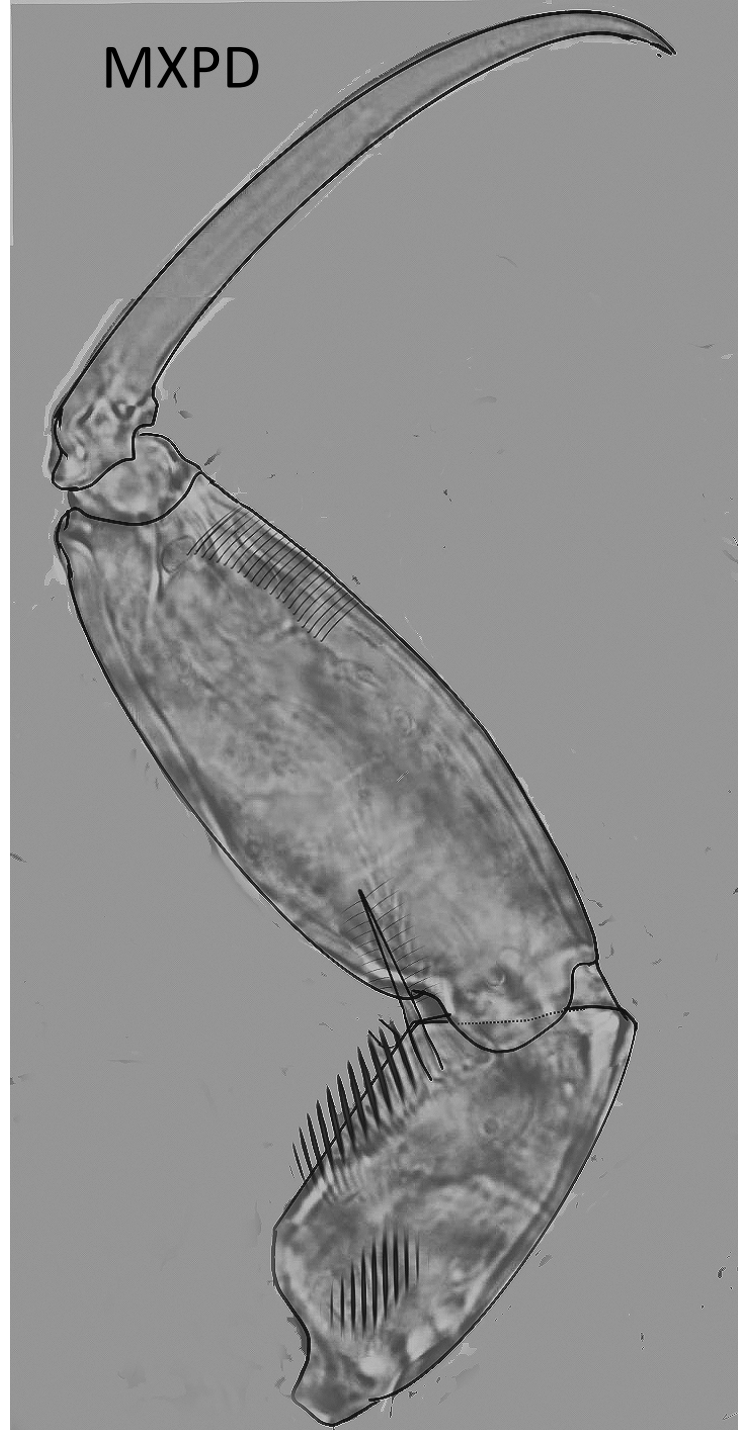
◀ ▶ L1  
Length : 36.2 um



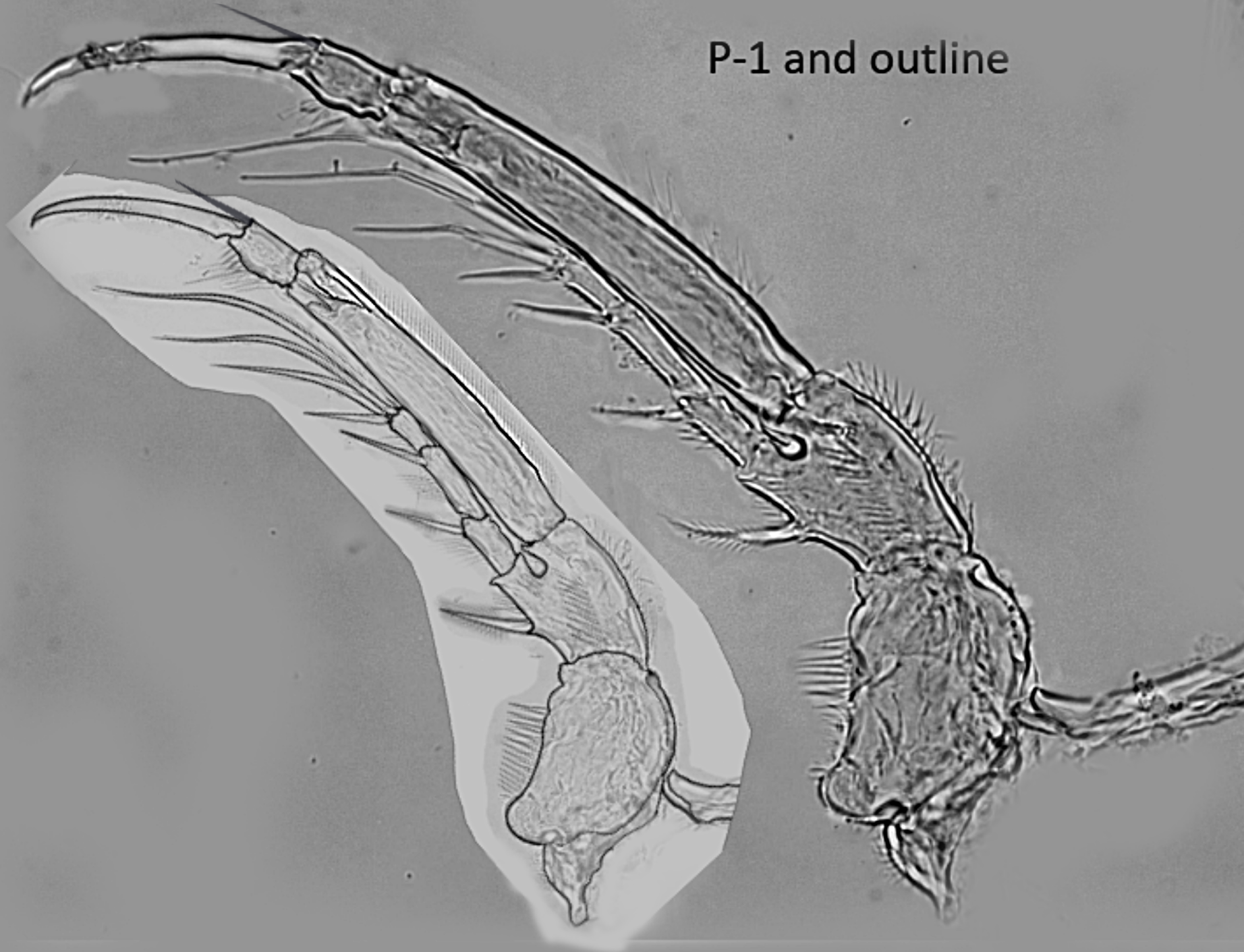
# MAX-2 OUTLINE



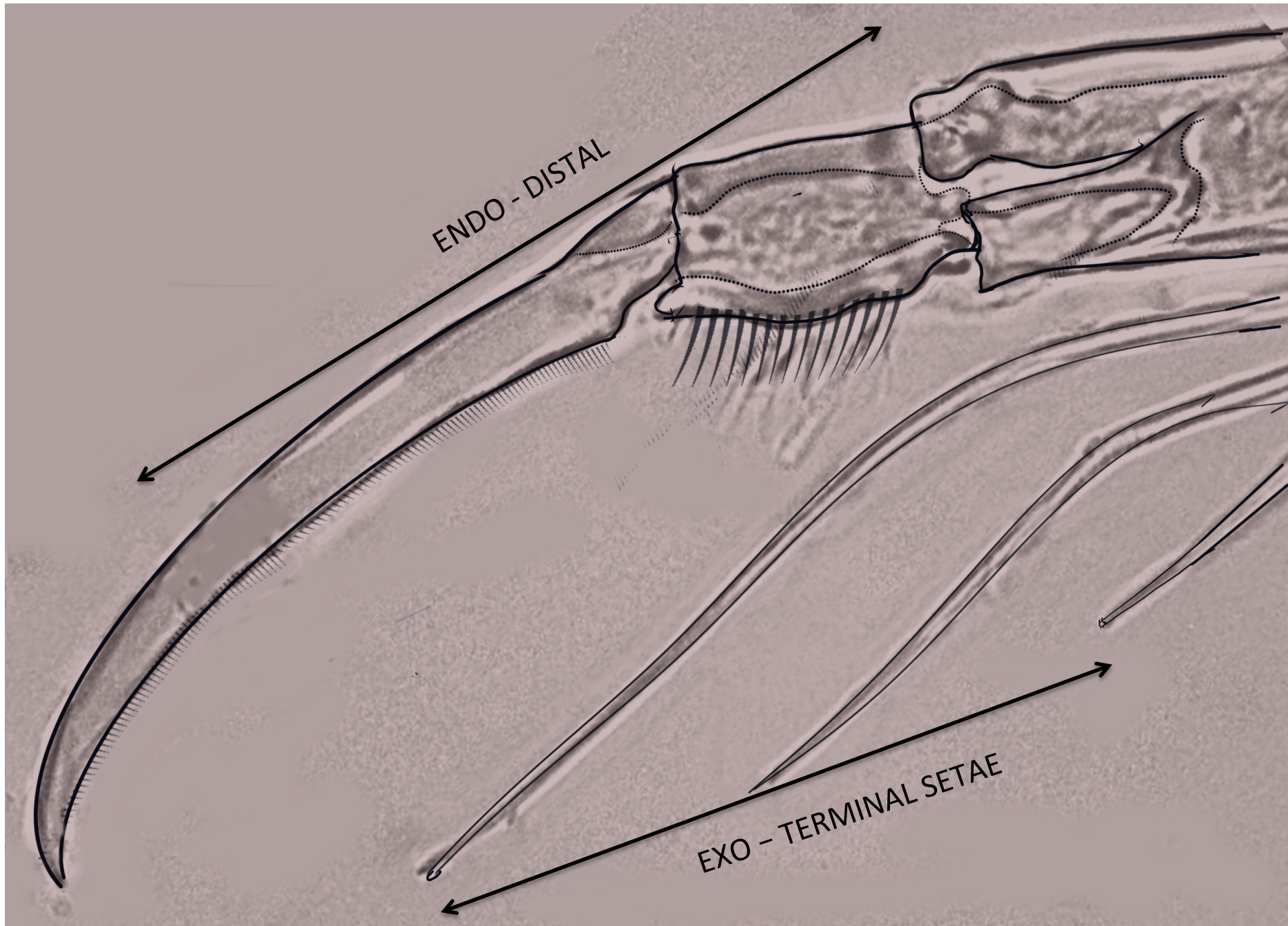
# MXPD



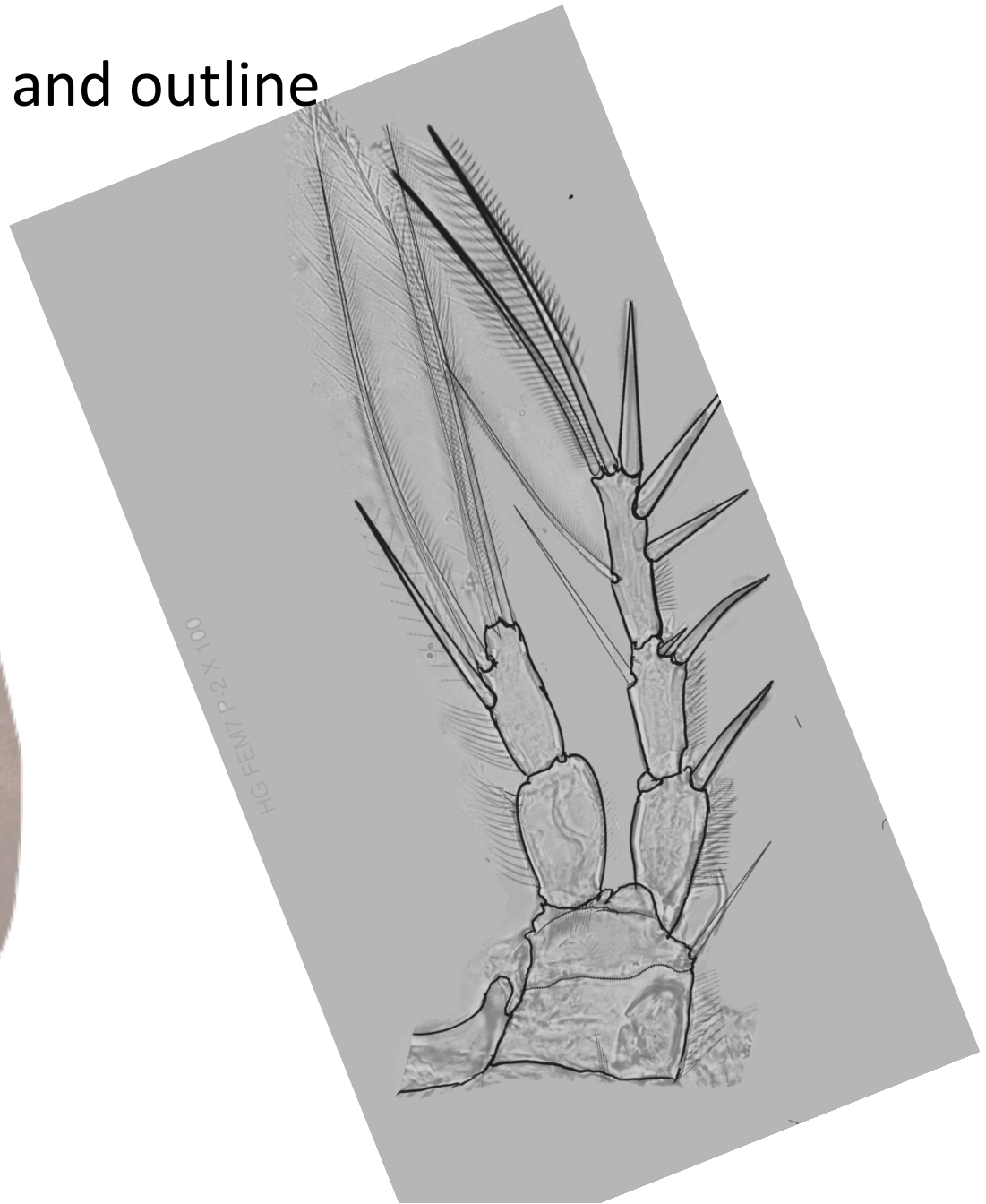
P-1 and outline







# Female P-2 and outline



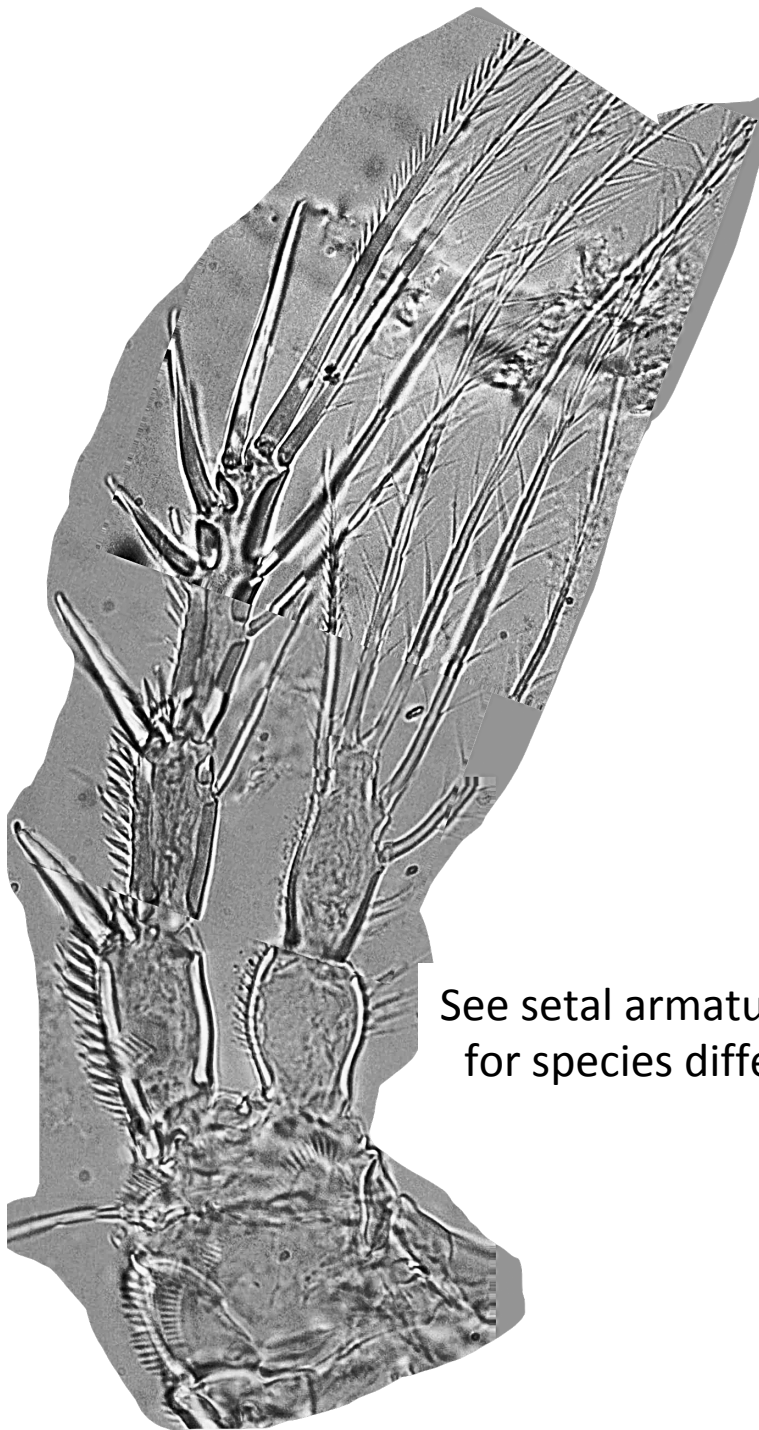
See setal armature table for species differences



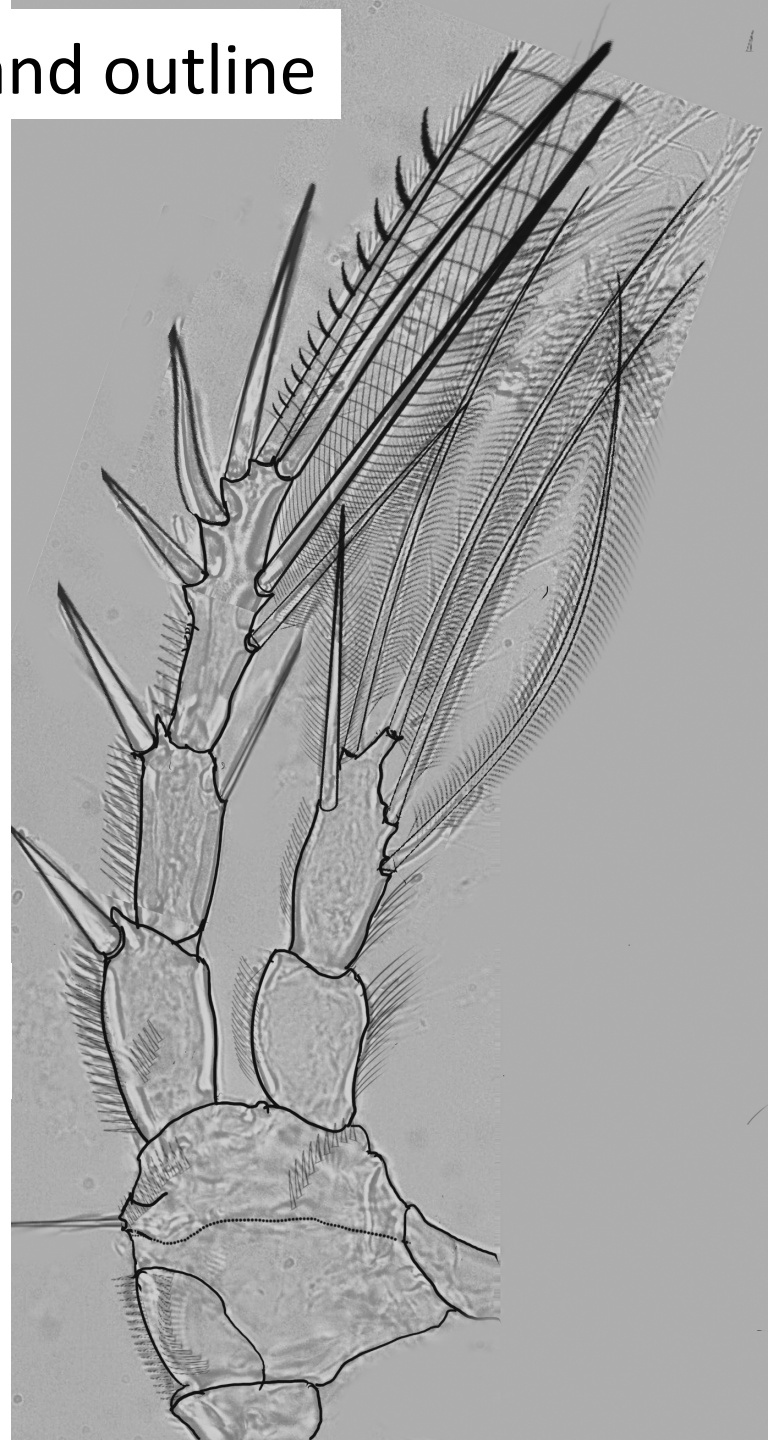
Male P-2 and outline



P-3 and outline



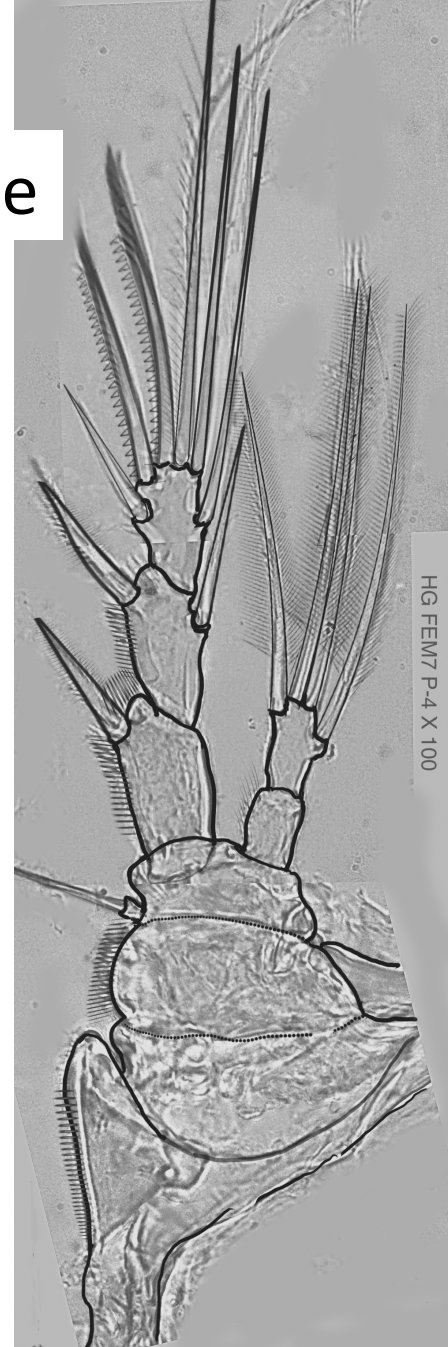
See setal armature table  
for species differences





HG FEM7 P-4

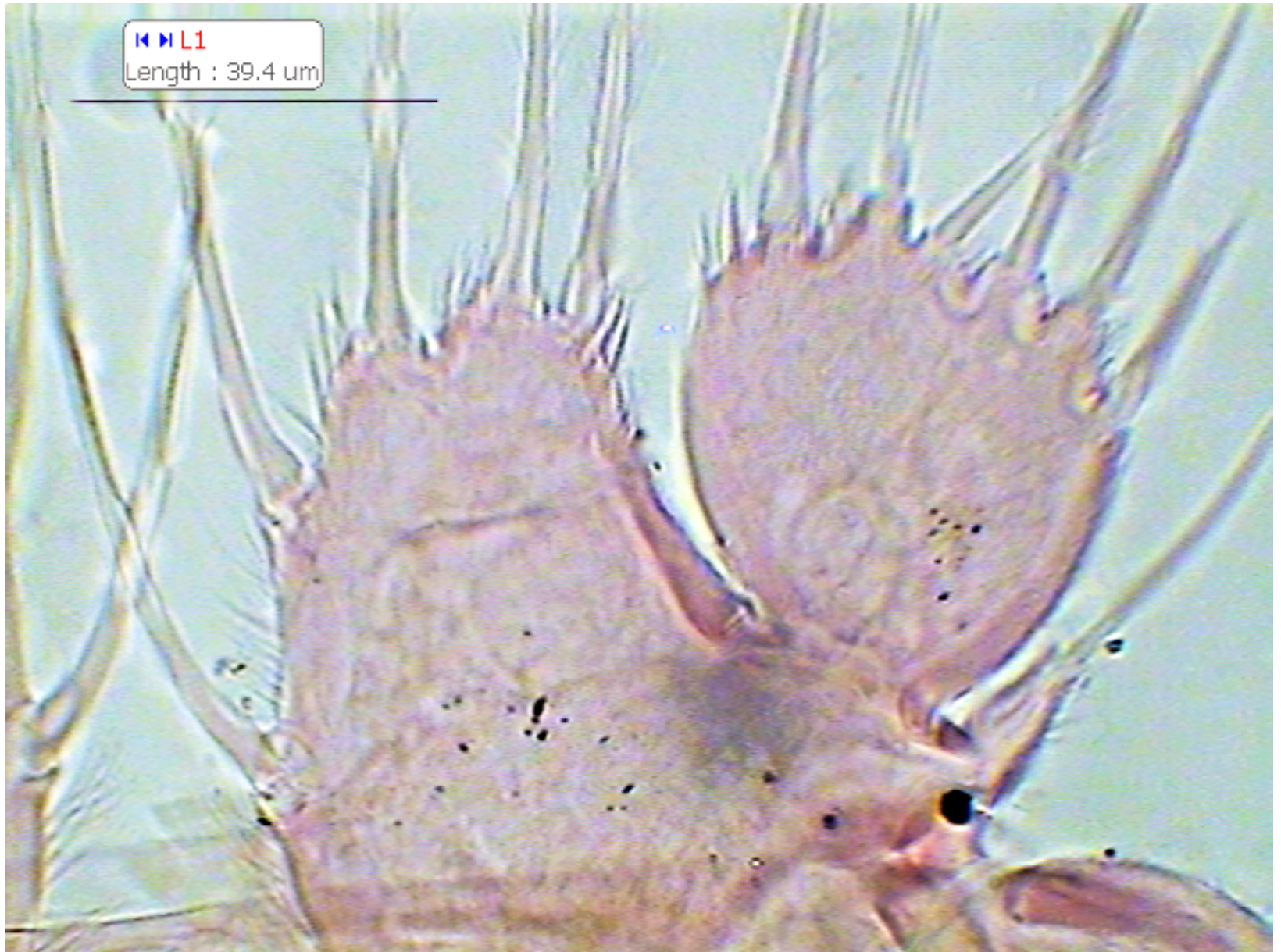
P-4 and outline



HG FEM7 P-4 X 100

See setal armature table for species differences

P-5







## REFERENCES

Cordell, J. 2014. List of free-living Harpacticoid copepods (Class Maxillopoda, Subclass Copepoda, Order Harpacticoida) from the Pacific Coast of North America.

[http://fish.washington.edu/people/cordell/species\\_list.htm](http://fish.washington.edu/people/cordell/species_list.htm)

(Unfortunately, no longer available on line.)

Hicks, G.R.F. 1975. A new species of Heterolaophonte Lang, 1948 (Copepoda: Harpacticoida) from Blakeney Point, Norfolk, U.K. Norwegian Journal of Zoology 23(2):141-147, figs. 1-26, tabs. 1-2. (7-iv-1975)

LANG, K., 1965. - Copepoda Harpacticoida from the Californian Pacific coast. K. Svenska Vetensk Akad. Handl. , 10 (2), pp. 1-560.

Willey, A. 1929. Notes on the distribution of the free-living Copepoda in Canadian waters. II. Some intertidal harpacticoids from St. Andrews, New Brunswick. Contrib. Canad. Biol. N. S. Vol. 4.