

# FAUNA AQUATICA AUSTRIACA

## AQUATIC INVERTEBRATE NEOZOA

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### Quotation note

Moog, O., Leitner, P., Huber, T., Rabitsch, W. & W. Graf (2017):  
Aquatische wirbellose Neozoa. In Moog, O. & A. Hartmann (Eds.):  
Fauna Aquatica Austriaca, 3. Edition 2017. BMLFUW, Wien.



The list of the aquatic neozoa of Austria has been included in the Fauna Aquatica Austriaca (FAA), since alien species became an important issue with regard to water management, such as evaluating the stream quality and ecological status of water bodies. Not only are they able to mask and distort the results of the conventional evaluation methods by their potential mass occurrence, biostistical measures ("neobiota metris") are already used in various quality assessment methods.

The methodological procedure and scientific foundations are based on a study commissioned by the BMLFUW in 2011, which focuses on the situation of the aquatic neobiota in Austria (Moog et al. 2013). The FAA authors have assimilated the increase in knowledge since then.

The list of the aquatic Neozoa contains as a footnote the comment whether a species occurs in Austria, but can only survive in glasshouses. Thermophilic alien species, which can survive, for example, in thermal streams (eg. *Procambarus clarkii*), are not included in this footnote. The Tiger Mosquito *Aedes albopictus*, according to records along transit routes in Austria, is included in the Neozoa list. Anyhow this mosquito is not mentioned in the FAA Culicidae catalogue, since the overwinter survival of this species is not documented in Austria.

## References

- Latzer, D. & R. Pekny (2018): Erstnachweis des Mamorkrebses (*Procambarus fallax* f. *virginalis*) in Salzburg bzw. in Österreich.- Österreichs Fischerei 71. Jg., Heft 8/9: 227-240.
- Moog, O., Leitner, P. & T. Huber (2013): Aquatische Wirbellose Neozoa in Österreich. In: Ofenböck, G.- Aquatische Neobiota in Österreich - Stand 2013. Bundesministerium für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft, Wien: 54-91.

## Species inventory

Greenhouse\*

**KAMPTOZOA***Urnatella gracilis* -**PLATYHELMINTHES***Bothriocephalus acheilognathi* -*Bothriocephalus claviceps* -*Dactylogyrus vastator* -*Dactylogyrus yinwenyingae* -*Gyrodactylus gasterostei* -*Khawia sinensis* -*Pseudodactylogyrus anguillae* -*Pseudodactylogyrus bini* -**HYDROZOA***Cordylophora caspia* -*Craspedacusta sowerbii* -**TURBELLARIA***Dendrocoelum romanodanubiale* -*Girardia tigrina* -**TREMATODEN***Fascioloides magna* -**NEMATODA***Anguillicola crassus* -**GASTROPODA***Ferrissia fragilis* -*Galba cubensis* X*Gyraulus chinensis* -*Gyraulus parvus* -*Melanoides tuberculatus* -*Physella acuta* -*Physella gyrina* X*Physella hendersoni* X*Planorbella duryi* -*Potamopyrgus antipodarum* -*Pseudosuccinea columella* X*Radix javanica* X*Theodoxus fluviatilis* -**BIVALVIA***Corbicula fluminalis* -*Corbicula fluminea* -*Dreissena bugensis* -*Dreissena polymorpha* -*Sinanodonta woodiana* -**POLYCHAETA***Hypania invalida* -**OLIGOCHAETA***Branchiura sowerbyi* -

	Greenhouse*
<b>HIRUDINEA</b>	
<i>Barbronia weberi</i>	-
<i>Caspiobdella fadejewi</i>	-
<b>BRANCHIOBELLELLIDA</b>	
<i>Xironogiton instabilis</i>	-
<b>CLADOCERA</b>	
<i>Daphnia (Daphnia) galeata</i>	-
<i>Daphnia (Daphnia) parvula</i>	-
<i>Drepanothrix dentata</i>	-
<i>Pleuroxus (Pricipleuroxus) denticulatus</i>	-
<b>COPEPODA</b>	
<i>Cyclops vicinus</i>	-
<i>Eurytemora velox</i>	-
<i>Halectinosoma abrau</i>	-
<i>Mesocyclops ruttneri</i> <sup>1</sup>	X
<b>MYSIDA</b>	
<i>Hemimysis anomala</i>	-
<i>Katamysis warpachowskyi</i>	-
<i>Limnomysis benedeni</i>	-
<b>AMPHIPODA</b>	
<i>Chelicorophium curvispinum</i>	-
<i>Chelicorophium robustum</i>	-
<i>Chelicorophium sowinskyi</i>	-
<i>Crangonyx pseudogracilis</i>	-
<i>Dikerogammarus bispinosus</i>	-
<i>Dikerogammarus haemobaphes</i>	-
<i>Dikerogammarus villosus</i>	-
<i>Echinogammarus ischnus</i>	-
<i>Echinogammarus trichiatus</i>	-
<i>Niphargus hrabei</i>	-
<i>Obesogammarus obesus</i>	-
<i>Synurella ambulans</i> <sup>2</sup>	-
<b>ISOPODA</b>	
<i>Jaera istri</i>	-
<b>DECAPODA</b>	
<i>Atyaephyra desmaresti</i>	-
<i>Eriocheir sinensis</i>	-
<i>Orconectes limosus</i>	-
<i>Pacifastacus leniusculus</i>	-
<i>Procambarus clarkii</i>	-
<i>Procambarus virginalis</i>	-
<b>DIPTERA</b>	
<i>Aedes albopictus</i>	-
<i>Aedes (Hulecoeteomyia) japonicus</i>	-
<i>Cladotanytarsus (Tanytarsus) sexdentatus</i>	-
<i>Paratendipes intermedius</i>	-
<b>BRYOZOA</b>	
<i>Pectinatella magnifica</i>	-

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	Greenhouse*
<i>Plumatella casmiana</i>	-

\*) The "Greenhouse" column lists those species which have been documented (in the literature or in a comprehensible expert report) in Austria but probably could not survive in the wild. The following places of discovery have been reported thitherto: hardware stores, greenhouses, pet shops and airports.

<sup>1</sup> : probably extinguished, habitat destroyed

<sup>2</sup> : The status as Austrian Neozoon is currently under discussion.