

CHECKLIST OF THE KNOWN HYDROPHILID FAUNA OF COSTA RICA

A.E.Z. Short
Cornell University

Updated: 7 August 2006

This list serves as a reference for species of hydrophilids that have been found in Costa Rica. It replaces the previous list that was made available in April of 2004. Since that time, numerous generic revisions have been published and greatly expanded the Costa Rican fauna. To date, more than 80 species of Hydrophilidae have been recorded from the country, and at least 50 additional species (new and described) still await examination, particularly in the Sphaeridiinae. Additional information, including references and keys can be found at www.hydrophiloidea.org.

Genera that have been recently reviewed are indicated with an asterisk (*)

HYDROPHILINAE

Berosini

Berosus Leach

B. quadridens Castelnau, 1863

B. regius Knisch, 1922

[ca. 5 additional morphospecies]

**Hemiosus* Sharp

H. maculatus Sharp, 1882

H. selva Short (submitted)

**Derallus* Sharp

D. altus (LeConte, 1855)

D. angustus Sharp, 1882

Chaetarthriini

Chaetarthriini Stephens 1835

C. bicolor Sharp, 1882

C. glabra Sharp, 1882

C. pusilla Sharp, 1882

C. spangleri Miller, 1974

Anacaenini

**Anacaena* Thomson

A. hirsuta Komarek, 2005

A. parvula (Sharp, 1882)

A. perpenna d'Orchymont, 1942

A. schoedli Komarek, 2005

A. solstitialis (Kirsch, 1873)

A. suturalis (LeConte, 1866)

Paracymus Thomson

P. corrinae Wooldridge, 1969

P. indigenus Wooldridge, 1969

P. spangleri Wooldridge, 1969

Notionotus Spangler

N. sp. 1

Laccobiini

**Oocyclus* Sharp

- O. catarata* Short & Perkins, 2004
- O. funestus* Short & Perkins, 2004
- O. grandis* Short & Perkins, 2004
- O. maculatus* Sharp, 1882
- O. muscus* Short & Perkins, 2004
- O. sharpi* Short & Perkins, 2004
- O. tapanti* Short & Perkins, 2004

Hydrophilini

**Quadriops* Hansen

- Q. reticulatus* Hansen, 1999

**Chasmogenus*

- C. barrae* Short, 2005
- C. lorenzo* Short, 2005
- C. ruidus* Short, 2005
- C. schoedli* Short, 2005

**Helochares* Mulsant

- H. abbreviatus* (F., 1801)
- H. carmona* Short, 2005
- H. championi* Sharp, 1882
- H. oculatus* Sharp, 1882
- H. mundus* (Sharp, 1882)
- H. optatus* (Sharp, 1882)
- H. normatus* (LeConte, 1861)
- H. sallaei* Sharp, 1882

**Enochrus* Thomson

- E. costaricensis* Short, 2005
- E. metacarina* Short, 2005
- E. talamanca* Short, 2005
- E. pseudochraceus* Gundersen, 1977
- E. pygmaeus* (Fabricius, 1792)
- E. rivalis* Short, 2005
- E. sharpi* Gundersen, 1977
- E. shepardi* Short, 2005
- E. torito* Short, 2005
- E. toro* Short, 2005
- E. sp. 1* (near *sublongus*?)

**Helobata* Bergroth

- H. larvalis* (Horn, 1873)

**Tropisternus* Solier [12 morphospecies present]

- T. apicalpis* (Chevrolat, 1834)
- T. chalybeus* Castelnau, 1840
- T. chontalensis* Sharp, 1882
- T. mergus* Say, 1835
- T. ovalis* Castelnau, 1840
- T. collaris* Castelnau, 1840

**Hydrobiomorpha* Blackburn

- H. casta* (Say, 1835)
- H. naviga* Short, 2004

Hydrophilus Geoffroy

- H. ensifer* Brulle, 1837
- H. insularis* Castelnau, 1840

H. purpurascens (Regimbart, 1901)

SPHAERIDIINAE

Coelostomatini

- **Badioglobus* Short
 - Badioglobus tapanti* Short, 2005
- Cyclotypus* Sharp
 - [one morphospecies]
- Phaenostoma* d'Orchymont
 - [three morphospecies]
- Phaenonotum* Sharp
 - P. exstriatum* (Say, 1835)
 - [many other morphospecies]
- Dactylosternum* Wollaston
 - D. arrowi* Knisch, 1924
 - D. miraculum* Knisch, 1924
 - D. subdepressum striatopunctatum* (Mulsant, 1844)

Omicrini

- Aculomicrus* Smetana
 - A. minimus* Smetana, 1975
- **Heteryon* Sharp
 - H. depressus* Sharp, 1882
 - H. sp.n.* 1
- Omicrus* Sharp
 - O. confusus* Smetana, 1975
 - O. intermedius* Smetana, 1975
 - O. laevis* (Sharp, 1887)

Megasternini

- Cercyon* Leach
 - C. schmidti* d'Orchymont, 1938
 - [+ ca. 20 morphospecies]
- **Cryptopleurum* Mulsant
 - C. tenue* Smetana, 1977
- **Cyrcillum* Knisch
 - C. strigicolle* (Sharp, 1882)
- Deltostethus* Solier
 - [no previous records]
- **Motonerus* Hansen
 - M. andersoni* Fikacek & Short, 2006
 - M. hanseni* Fikacek & Short, 2006
 - M. problematicus* Fikacek & Short, 2006
- **Nitidulodes* Sharp
 - N. jansoni* Sharp, 1882
- Oosternum* Sharp
 - [no previous records]
- Pelosoma* Mulsant
 - P. sordidum* Sharp, 1882
- Sacosternum* Hansen
 - S. megalopus* Hansen, 1989
 - [2 other morphospecies]