

Faunistical results of the Sialidae (Megaloptera) investigations carried out in the frames of the ecological survey of the surface waters of Hungary (ECOSURV) in 2005

TIBOR KOVÁCS

ABSTRACT: This paper provides 87 data of 3 species (*Sialis fuliginosa*, *S. lutaria*, *S. nigripes*) from 86 sampling places from 16.03.2005 to 25.06.2005.

In 2005, 392 sites were sampled in the frame of the ECOSURV. Species of Sialidae were found in 86 sites (21.9%). The number of the determined individuals are 625. Collecting techniques and notes on collected material and data sets see KISS *et al.* (2006).

Sialis fuliginosa, *S. lutaria* and *S. nigripes* have been recorded from 86 sites (77 water bodies) sampled between 16th March, 2005 and 25th June, 2005. The results are the following: *Sialis fuliginosa* – 17 data, 17 sampling places, 17 water bodies; *S. lutaria* – 66 data, 66 sampling places, 58 water bodies; *S. nigripes* – 4 data, 4 sampling places, 3 water bodies. The rare *S. nigripes* was found in the rivers Bódva, Hernád and Tisza. It was already recorded from these water courses by ÁBRAHÁM & KOVÁCS (1999) and KOVÁCS (2006).

The list of data

Sialis fuliginosa Pictet, 1836 – **001:** 03.25., MZ; **003:** 03.23., JP; **004:** 03.25., MZ; **008:** 04.08., KB; **010:** 04.05., JP; **011:** 03.31., JP; **015:** 03.30., JP; **017:** 04.11., JP-MZ; **027:** 04.12., JP; **190:** 03.26., KB-MZ; **192:** 03.26., MZ; **193:** 03.26., JP; **196:** 03.22., JP; **200:** 03.23., JP; **202:** 04.05., JP; **319:** 03.25., JP; **334:** 04.15., MZ.

Sialis lutaria (Linnaeus, 1758) – **019:** 04.11., JP-MZ; **041:** 04.06., MZ; **051:** 04.13., JP; **055:** 04.07., MZ; **064:** 05.20., KB; **077:** 05.21., JP; **079:** 04.09., KB; **085:** 03.16., JP-MZ; **088:** 04.21., JP; **090:** 06.07., MZ; **095:** 05.04., MZ; **101:** 04.29., KB; **104:** 04.23., KB; **112:** 04.09., KB; **116:** 05.19., KB; **118:** 06.05., MZ; **143:** 04.29., JP; **144:** 04.11., KB; **145:** 04.22., JP; **146:** 04.22., JP; **147:** 05.03., KB; **159:** 05.25., JP; **184:** 06.23., MZ; **189:** 05.18., KB; **208:** 04.13., MZ; **211:** 05.24., JP; **215:** 04.06., KB; **221:** 04.08., JP-KB; **223:** 03.26., KB-MZ; **224:** 03.31., MZ; **228:** 05.20., JP; **229:** 05.20., MZ; **236:** 03.31., MZ; **253:** 06.10., MZ; **254:** 06.25., KB; **255:** 05.07., KB; **261:** 04.14., MZ; **271:** 04.05., MZ; **274:** 04.22., JP; **276:** 04.14., MZ; **286:** 04.13., JP; **291:** 04.13., MZ; **292:** 03.25., KB; **293:** 03.24., JP; **294:** 04.12., JP; **309:** 03.30., JP; **321:** 03.31., JP; **325:** 04.08., MZ; **339:** 03.31., JP; **341:** 03.23., KB-MZ; **359:** 03.31., MZ; **364:** 04.26., KB; **367:** 04.27., KB; **369:** 04.22., MZ; **374:** 04.27., MZ; **375:** 04.23., MZ; **379:** 05.05., KB; **380:** 05.07., KB; **382:** 06.05., MZ; **389:** 04.02., JP; **395:** 04.01., JP; **396:** 04.05., KB; **402:** 05.27., KB; **411:** 04.01., JP; **413:** 03.23., MZ; **417:** 03.23., JP.

Sialis nigripes Pictet, 1865 – **031:** 03.30., KB; **032:** 03.17., JP-MZ; **085:** 03.16., JP-MZ; **217:** 03.30., KB.

Acknowledgements: We are grateful for the generous help of Ákos GÁSPÁR, Péter JUHÁSZ, Béla KISS, Zoltán MÜLLER (BioAqua Pro Ltd., Debrecen) and László NAGY (B-Inari Bt., Debrecen). Thanks are due to Ottó MERKL (Hungarian Natural History Museum, Budapest) for linguistic help.

References

- ÁBRAHÁM, L. & KOVÁCS, T. (1999): A report on the Hungarian alderfly fauna (Megaloptera: Sialidae) – A Janus Pannonius Múzeum Évkönyve 43(1998): 49–56.
- KISS, B., JUHÁSZ, P., MÜLLER, Z., NAGY, L. & GÁSPÁR, Á. (2006): Summary of the Ecological Survey of Surface Waters of Hungary (ECOSURV) (sampling locations, methods and investigators). – Folia Historico-Naturalia Musei Matraensis 30: in press.
- KOVÁCS, T. (2006): Data to the distribution of *Sialis* in Hungary, based on larvae (Megaloptera: Sialidae) – Folia Historico-Naturalia Musei Matraensis 30: in press.

Tibor KOVÁCS
Mátra Museum
H-3200 GYÖNGYÖS
Kossuth Lajos u. 40.
E-mail: koati@t-online.hu