

# Ergebnisse der Exkursion 1999 der Arbeitsgemeinschaft Südwestdeutscher Koleopterologen nach Villingen-Schwenningen

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Lieber spät als gar nicht...

Unter diesem Motto könnte diese Veröffentlichung stehen, wenn man Ihre Entstehungsgeschichte betrachtet.

Klaus-Peter Koch aus VS-Schwenningen hat die Exkursion ausgerichtet und geleitet und wollte auch die Besprechung incl. der Fundliste zusammenstellen. Die Meldungen von insgesamt 8 Teilnehmern lagen vor, so dass eigentlich alles notwendige Material zur Abfassung des Exkursionsberichtes mit den Sammelergebnisse vorhanden war.

Meine zahlreichen Nachfragen über einen Zeitraum von ca. 10 Jahren zeigten außer sicher ernst gemeinten Zusagen keinerlei Fortschritt, so dass ich die Angelegenheit – wir sind ja gegenüber dem Regierungspräsidium Freiburg zu einem Bericht verpflichtet – nun nach Absprache mit Klaus-Peter Koch selbst in die Hand genommen habe.

## Exkursionsziele

Am 19./20.6.1999 stand als erste Exkursionsziel das Naturschutzgebiet **Mühlhauser Halde** auf dem Programm, ein vom Menschen geprägtes, reich strukturiertes Gebiet mit Wacholderheiden, Magerrasen, Feldgehölzen, Baumgruppen, Quellaustritten mit kleinen Kalkflachmooren, Fettwiesen, bachbegleitenden Hochstaudenfluren sowie Flachwasserteichen.

Am 17./18.6. war das Naturschutzgebiet **Schwenninger Moos** unser Ziel. Dieses zeichnet sich u. a. durch ein Vegetationsmosaik von Moorwäldern, kalkreichen Nieder-, geschädigte Hochmooren und Kalk-Magerrasen aus.

Für beide NSG lag eine Sammelgenehmigung vom Regierungspräsidium Freiburg vor.

## Untersuchungsergebnis

Aus beiden Biotopen konnten insgesamt 382 Arten nachgewiesen werden. Davon entfielen auf die Mühlhauser Halde 210 Arten und auf das Schwenninger Moos 221 Arten. Eine vergleichende Analyse über die Funde im jeweiligen Untersuchungsgebiet unterbleibt, denn es würde zu falschen Ergebnissen führen. Die Intensität der Meldungen und die ungleich eingesetzten Sammelmethode im jeweiligen Gebiet, z. B. Bodenproben, eignen sich dafür nicht.

Neben einigen in Baden-Württemberg selten gemeldeten Arten war der Nachweis von ***Serica intermixta* BLATCHLEY** der spektakulärste Fund dieser Exkursion. In der Arbeit von AHRENS & KLESS (2001) wird diese Neuentdeckung ausführlich dokumentiert.

## Exkursionsteilnehmer

Wenn hinter dem Namen ein Kürzel steht, liegt eine Beitrag zur Artenliste vor.

Bickel, Rudi (BIC); Bretzendorfer, Franz (BRE); Frank, Jürgen (FRK); Happel, Heinz; Henze, Werner (HEN); Hörster, Wolfgang; Jacob, Rüdiger; Kleß, Jürgen; Koch, Klaus Peter; Konzelmann, Eberhard (KON); Kostenbader, Hans; Lang, Wolfgang; Lange, Frank (LAN); Martin, André; Messutat, Jochen (MES); Rieger, Christian; Straub, Hans-Peter (STR), W. Lang det.; Weber, Uli; Wesiak, Hartmut; Ziegler, Harald.

Die Nomenklatur der Artenliste entspricht der von Frank & Konzelmann (2002).



In dem 1939 gegründeten 97 ha große NSG Schwenninger Moor entspringt die Neckarquelle. Das einstige Hochmoor ist durch jahrhundertelangen Torfabbau zerstört worden. Das neu entstandene Landschaftsbild mit verheideten Flächen im Wechsel mit Birken-Moorwald und Grauweiden-Gebüsch ist als Lebensraum für seltene Pflanzen und Tiere auch heute noch wertvoll. Fotos H. Wesiak 1999



## Artenliste

| Buck-Code                 | Familie, Gattung, Art               | Mühlh. Halde   | Schwe. Moos    |
|---------------------------|-------------------------------------|----------------|----------------|
| <b>001. Carabidae</b>     |                                     |                |                |
| 02.021.020                | Cicindela campestris L.             | KLE, BRE,      | ----           |
| 02.039.019                | Carabus auratus                     | KLE,           | ----           |
| 02.065.030                | Clivina fossor (L.)                 | BRE,           | ----           |
| 02.072.050                | Dyschirius globosus (HERBST)        | ----           | KLE,           |
| 02.078.020                | Epaphius secalis (PAYKULL)          | ----           | KON,           |
| 02.080.020                | Trechus quadristriatus              | ----           | KON,           |
| 02.099.030                | Tachyta nana (GYLL.)                | ----           | BRE,           |
| 02.108.020                | Bembidion lampros (HBST.)           | KLE,           | ----           |
| 02.108.030                | Bembidion properans STEPH.          | KLE,           | ----           |
| 02.127.050                | Bembidion doris (PANZER)            | ----           | STR,           |
| 02.180.010                | Poecilus versicolor (STURM)         | BRE,           | ----           |
| 02.182.101                | Pterostichus rhaeticus (HEER)       | ----           | KLE,           |
| 02.190.010                | Pterostichus strenuus (PANZER)      | ----           | KON,           |
| 02.190.020                | Pterostichus diligens (STURM)       | ----           | KLE, KON, STR  |
| 02.191.020                | Pterostichus pumilio (DEJEAN)       | ----           | KON,           |
| 02.195.030                | Pterostichus minor (GYLL.)          | ----           | KLE, KON, STR  |
| 02.197.030                | Pterostichus nigrita (PAYK.)        | ----           | KLE,           |
| 02.202.020                | Abax parallelepipedus PIL. & MITT . | ----           | BRE,           |
| 02.214.020                | Agonum ericeti (PANZ.)              | ----           | LAN,           |
| 02.220.030                | Agonum fuliginosum (PANZ.)          | ----           | KLE, KON, STR. |
| 02.246.020                | Amara lunicollis (SCHIOEDTE)        | ----           | KON,           |
| 02.269.020                | Paradromius linearis (OLIV.)        | BRE,           | ----           |
| 02.272.020                | Dromius agilis (F.)                 | HEN, KLE, LAN, | ----           |
| 02.272.050                | Dromius angustus (BRUL.)            | LAN,           | ----           |
| 02.273.050                | Dromius quadrimaculatus (L.)        | LAN,           | KLE,           |
| 02.276.010                | Calodromius spilotus (ILIG.)        | LAN,           | ----           |
| <b>003. Noteridae</b>     |                                     |                |                |
| 03.053.010                | Noterus clavicornis (DEG.)          | ----           | FRK, STR,      |
| 03.053.020                | Noterus crassicornis (MÜLLER)       | ----           | STR,           |
| <b>004. Dytiscidae</b>    |                                     |                |                |
| 03.034.030                | Hydroporus tristis (PAYK.)          | ----           | STR,           |
| 03.040.050                | Hydroporus melanarius STURM         | ----           | STR,           |
| <b>007. Hydraenidae</b>   |                                     |                |                |
| 03.112.040                | Limnebius aluta BEDEL               | ----           | STR,           |
| <b>011. Hydrophilidae</b> |                                     |                |                |
| 03.117.070                | Helophorus aquaticus L.             | KLE,           | ----           |
| 03.128.010                | Coelostoma orbiculare (F.)          | ----           | STR,           |
| 03.129.040                | Sphaeridium bipustulatum s.l. F.    | KLE,           | ----           |
| 03.133.010                | Cercyon haemorrhoidalis             | BRE,           | ----           |
| 03.133.030                | Cercyon melanocephalus (L.)         | BRE,           | ----           |
| 03.140.020                | Cryptopleurum minutum (F.)          | KLE,           | ----           |
| 03.142.010                | Crenitis punctatostrata (LETZN.)    | ----           | STR,           |
| 03.143.030                | Hydrobius fuscipes (L.)             | ----           | STR,           |
| 03.145.002                | Anacaena lutescens STEPH.           | ----           | KLE, KON, STR, |
| 03.145.020                | Anacaena limbata s.l. (F.)          | ----           | FRK,           |
| 03.150.002                | Helochares obscurus (MÜLL.)         | ----           | STR,           |
| 03.150.104                | Enochrus affinis (THUNB.)           | ----           | STR,           |
| <b>017. Cholevidae</b>    |                                     |                |                |
| 03.207.010                | Ptomaphagus sericatus (CHAUD.)      | HEN,           | ----           |
| <b>019. Leiodidae</b>     |                                     |                |                |
| 03.126.010                | Anisotoma humeralis (F.)            | ----           | FRK,           |
| 03.261.020                | Amphycylis globus (FABRICIUS)       | ----           | KON,           |
| 03.265.070                | Agathidium laevigatum ERICHSON      | ----           | KON            |

**020. Scydmaenidae**

|            |                                     |      |      |
|------------|-------------------------------------|------|------|
| 03.301.000 | Euconnus spec. (MÜLL. & KUNZ.)      | ---- | STR, |
| 03.276.030 | Cephennium thoracicum MÜLL. & KUNZ. | ---- | KON, |
| 03.290.040 | Stenichnus collaris (MÜLL. & KUNZ.) | ---- | KON, |

**021. Ptiliidae**

|            |                   |      |      |
|------------|-------------------|------|------|
| 03.335.000 | Acrotrichis spec. | ---- | KON, |
|------------|-------------------|------|------|

**022. Staphylinidae**

|            |                                       |                |           |
|------------|---------------------------------------|----------------|-----------|
| 04.023.050 | Megarthus depressus (PAYK.)           | HEN,           | ----      |
| 04.032.020 | Eusphalerum luteum (MARSH.)           | ----           | KLE,      |
| 04.032.040 | Eusphalerum rectangulum (FAUV.)       | BRE,           | ----      |
| 04.058.020 | Acidota crenata (FABRICIUS)           | ----           | KON,      |
| 04.071.010 | Syntomium aeneum (MUELLER)            | ----           | KON,      |
| 04.084.010 | Anotylus rugosus (FABRICIUS)          | ----           | KON,      |
| 04.085.020 | Anotylus inustus GRAV.                | BRE,           | ----      |
| 04.085.040 | Anotylus mutator LOHSE                | HEN,           | ----      |
| 04.085.030 | Anotylus sculpturatus GRAV.           | KLE, BRE, HEN, | ----      |
| 04.086.030 | Anotylus affinis CZWALINA.            | HEN,           | ----      |
| 04.088.010 | Platystethus arenarius FOURC.         | KLE, HEN,      | ----      |
| 04.108.002 | Stenus clavicornis s.str. (SCOPOLI)   | ----           | KON,      |
| 04.113.050 | Stenus providus ERICHSON              | ----           | KON, STR, |
| 04.123.010 | Stenus flavipes STEPHENS              | ----           | KON,      |
| 04.124.050 | Stenus bifoveolatus GYLL.             | ----           | KLE, STR, |
| 04.138.030 | Rugilus rufipes (GERMAR)              | ----           | KON,      |
| 04.139.040 | Rugilus erichsoni FAUVEL              | ----           | KON,      |
| 04.142.030 | Sunius melanocephalus (FABRICIUS)     | ----           | KON,      |
| 04.149.080 | Lathrobium terminatum GRAV.           | ----           | KLE, STR, |
| 04.151.040 | Lathrobium fulvipenne (GRAVENHORST)   | ----           | KON,      |
| 04.152.010 | Lathrobium elongatum (LINNÉ)          | ----           | KON,      |
| 04.152.030 | Lathrobium longulum GRAVENHORST       | ----           | KON,      |
| 04.152.060 | Lathrobium fovolum STEPH.             | ----           | KON, STR, |
| 04.153.010 | Lathrobium brunnipes (F.)             | ----           | STR,      |
| 04.155.201 | Cryptobium fracticorne s.str.         | ----           | KON,      |
| 04.161.102 | Gyrophypnus scoticus (JOY)            | ----           | KON,      |
| 04.163.005 | Xantholinus linearis s.str. (OLIVIER) | ----           | KON,      |
| 04.164.040 | Xantholinus tricolour (FABRICIUS)     | ----           | FRK, KON, |
| 04.168.020 | Othius (angustus) STEPHENS            | ----           | KON,      |
| 04.168.040 | Othius (subuliformis) STEPHENS        | ----           | KON,      |
| 04.182.030 | Philonthus concinnus (GRAV.)          | KLE,           | ----      |
| 04.190.050 | Gabrius trossulus (NORDMANN)          | ----           | KON,      |
| 04.212.039 | Quedius molochinus (GRAV.)            | ----           | KON,      |
| 04.219.030 | Quedius boopoides MUNSTER             | ----           | KON,      |
| 04.230.050 | Ischnosoma splendidum (GRAV.)         | ----           | KON,      |
| 04.233.020 | Lordithon thoracicus (FABRICIUS)      | ----           | KON,      |
| 04.233.060 | Lordithon lunulata (LINNÉ)            | ----           | KON,      |
| 04.235.007 | Sepedophilus testaceus (F.)           | ----           | HEN,      |
| 04.237.010 | Tachyporus nitidulus (F.)             | KLE,           | ----      |
| 04.238.030 | Tachyporus ruficollis GRAV.           | ----           | KON,      |
| 04.239.050 | Tachyporus transversalis GRAV.        | ----           | STR,      |
| 04.240.010 | Tachyporus hypnorum (F.)              | HEN,           | ----      |
| 05.017.010 | Myllaena dubia GRAV.                  | ----           | KLE, STR  |
| 05.018.030 | Myllaena intermedia ER.               | ----           | STR,      |
| 05.032.080 | Gyrophaena strictula ERICHS.          | ----           | HEN,      |
| 05.033.010 | Gyrophaena polita (GRAV.)             | ----           | HEN,      |
| 05.062.010 | Bolitochara oblique ER.               | BRE,           | ----      |
| 05.292.010 | Tinotus morion (GRAV.)                | HEN,           | ----      |
| 05.101.070 | Amischa analis (GRAV.)                | ----           | KON, STR  |



|                           |                                        |                               |                |
|---------------------------|----------------------------------------|-------------------------------|----------------|
| 05.112.040                | <i>Geostiba circellaris</i> (GRAV.)    | ----                          | KON,           |
| 05.173.010                | <i>Atheta sodalis</i> (ERICHSON)       | ----                          | KON,           |
| 05.182.030                | <i>Atheta fungi</i> (GRAV.)            | ----                          | KON,           |
| 05.223.010                | <i>Drusilla canaliculata</i> (FABR.)   | ----                          | KON,           |
| 05.293.006                | <i>Aleochara bipustulata</i> (L.)      | HEN,                          | ----           |
| <b>023. Pselaphidae</b>   |                                        |                               |                |
| 05.328.010                | <i>Trimium brevicorne</i> (REICHENB.)  | ----                          | KON,           |
| 05.336.020                | <i>Bythinus burellii</i> DENNY         | ----                          | KON,           |
| 05.340.030                | <i>Bryaxis puncticollis</i> (DENNY)    | ----                          | KON,           |
| 05.348.010                | <i>Bryaxis bulbifer</i> (REICHENB.)    | ----                          | KON,           |
| 05.352.030                | <i>Brachygluta fossulata</i> (REICHB.) | ----                          | KON, STR       |
| 05.358.020                | <i>Pselaphus heisei</i> HERBST         | ----                          | KON,           |
| <b>027. Cantharidae</b>   |                                        |                               |                |
| 06.021.010                | <i>Podabrus alpinus</i> (PAYK.)        | BRE,                          | ----           |
| 06.024.010                | <i>Cantharis fusca</i> L.              | HEN, KLE, MES, RIE,           | ----           |
| 06.024.030                | <i>Cantharis rustica</i> FALLEN        | BRE,                          | ----           |
| 06.024.040                | <i>Cantharis pellucida</i> F.          | BRE, KLE,                     | ----           |
| 06.024.050                | <i>Cantharis fulvicollis</i> F.        | ----                          | BRE, MES,      |
| 06.024.060                | <i>Cantharis bicolor</i> HERBST        | ----                          | FRK,           |
| 06.025.010                | <i>Cantharis rufa</i> L.               | KLE, MES,                     | ----           |
| 06.026.030                | <i>Cantharis nigricans</i> (MÜLL.)     | HEN,                          | ----           |
| 06.030.030                | <i>Cantharis figurata</i> (MANN.)      | BRE, MES,                     | FRK, BRE, LAN, |
| 06.030.040                | <i>Metacantharis discoidea</i> AHR.    | HÖR, BRE,                     | ----           |
| 06.033.010                | <i>Absidia schoenherri</i> /DEJEAN)    | ----                          | KLE,           |
| 06.035.030                | <i>Rhagonycha fulva</i> (SCOP.)        | BRE, KLE,                     | FRK, BRE,      |
| 06.036.010                | <i>Rhagonycha testacea</i> (L.)        | BRE, MES,                     | ----           |
| 06.036.020                | <i>Rhagonycha limbata</i> (THOM.)      | BIC, BRE, KLE, LAN, MES,      | MES,           |
| 06.041.010                | <i>Malthinus punctatus</i> (FOURC.)    | ----                          | LAN,           |
| 06.048.010                | <i>Malthodes minimus</i> (L.)          | BRE, LAN, MES,                | ----           |
| 06.048.020                | <i>Malthodes marginatus</i> LATR.      | MES,                          | ----           |
| <b>028. Drilidae</b>      |                                        |                               |                |
| 06.052.010                | <i>Drilus concolor</i> AHRENS          | BIC, LAN,                     | ----           |
| <b>029. Malachiidae</b>   |                                        |                               |                |
| 06.057.030                | <i>Troglops albicans</i> (LINNÉ)       | BIC, BRE,                     | ----           |
| 06.059.030                | <i>Charopus flavipes</i> (PAYK.)       | BIC, BRE, HEN, KLE, LAN, MES, | FRK, KON, MES, |
| 06.062.020                | <i>Malachius bipustulatus</i> L.       | MES,                          | MES,           |
| <b>030. Melyridae</b>     |                                        |                               |                |
| 06.070.010                | <i>Dasytes virens</i> MARSH.           | BIC,                          | FRK,           |
| 06.077.010                | <i>Dasytes Niger</i> (L.)              | BRE,                          | FRK, KLE,      |
| 06.079.020                | <i>Dasytes plumbeus</i> (MÜLL)         | BRE, HEN, KLE, LAN,           | BRE, KLE,      |
| 06.081.040                | <i>Danacea nigratarsis</i> (KÜST.)     | HEN,                          | ----           |
| <b>034. Trogossitidae</b> |                                        |                               |                |
| 07.015.010                | <i>Nemosoma elongatum</i> (L.)         | LAN,                          | ----           |
| <b>035. Byrrhidae</b>     |                                        |                               |                |
| 06.340.020                | <i>Cytilus auricomus</i> (DUFT.)       | ----                          | KON,           |
| <b>038. Elateridae</b>    |                                        |                               |                |
| 06.115.040                | <i>Ampedus balteatus</i> (L.)          | ----                          | LAN, ZIE,      |
| 06.123.010                | <i>Sericus brunneus</i> (L.)           | ----                          | ZIE,           |
| 06.124.020                | <i>Dalopius marginatus</i> (ESCH.)     | BIC, HEN, KLE, LAN,           | KLE,           |
| 06.126.040                | <i>Agriotes gallicus</i> LACORD        | BRE,                          | FRK,           |
| 06.128.010                | <i>Agriotes sputator</i> (L.)          | HEN,                          | ----           |
| 06.128.030                | <i>Agriotes obscurus</i> (L.)          | ----                          | BRE,           |
| 06.130.040                | <i>Agriotes lineatus</i> (L.)          | BRE,                          | ----           |
| 06.135.010                | <i>Adrastus pallens</i> (F.)           | ----                          | LAN,           |
| 06.142.040                | <i>Agrypnus murinus</i> (ESCH.)        | BIC, BRE, HEN, KLE,           | ----           |
| 06.149.020                | <i>Prosternon tessellatum</i> (L.)     | HEN, LAN,                     | ZIE,           |

|                            |                                          |                         |                                  |
|----------------------------|------------------------------------------|-------------------------|----------------------------------|
| 06.161.010                 | <i>Cidnopus pilosus</i> (LESKE)          | BRE, HEN, KLE, LAN, ZIE | ZIE,                             |
| 06.161.030                 | <i>Kibunea minuta</i> (L.)               | BRE,                    | BRE,                             |
| 06.162.010                 | <i>Cidnopus quercus</i> (OLIV.)          | BIC, BRE, HEN, LAN,     | ----                             |
| 06.165.010                 | <i>Hemicrepidius niger</i> (L.)          | BIC,                    | ----                             |
| 06.167.010                 | <i>Athous haemorrhoidalis</i> (F.)       | BIC, HEN,               | ----                             |
| 06.168.010                 | <i>Athous vittatus</i> (F.)              | HEN,                    | ----                             |
| 06.166.201                 | <i>Athous subfuscus</i> (MÜLL.)          | HEN, KLE,               | FRK,                             |
| 06.166.203                 | <i>Athous bicolor</i> (GOEZE)            | BRE, HEN, LAN,          | ----                             |
| <b>042. Throscidae</b>     |                                          |                         |                                  |
| 06.202.020                 | <i>Trixagus dermestoides</i> (L.)        | LAN,                    | BRE, FRK, HEN, KLE,<br>KON, LAN, |
| <b>043. Buprestidae</b>    |                                          |                         |                                  |
| 06.224.030                 | <i>Anthaxia quadripunctata</i> (L.)      | BRE, LAN,               | FRK,                             |
| 06.226.050                 | <i>Anthaxia nitidula</i> (L.)            | BIC, LAN, ZIE,          | ----                             |
| 06.239.040                 | <i>Agrilus cuprescens</i> MENET.         | ----                    | ZIE,                             |
| 06.240.020                 | <i>Agrilus viridis</i> (L.)              | ----                    | BRE, ZIE,                        |
| 06.247.010                 | <i>Trachys minutus</i> (L.)              | ----                    | LAN, ZIE,                        |
| <b>046. Scirtidae</b>      |                                          |                         |                                  |
| 06.256.010                 | <i>Microcara testacea</i> (L.)           | ----                    | FRK,                             |
| 06.259.010                 | <i>Cyphon coarctatus</i> PAYK.           | ----                    | FRK, KLE, STR,                   |
| 06.259.020                 | <i>Cyphon palustris</i> THOMS.           | ----                    | BRE,                             |
| 06.259.040                 | <i>Cyphon ochraceus</i> STEPH.           | ----                    | KLE,                             |
| 06.261.010                 | <i>Cyphon padi</i> (L.)                  | ----                    | KLE,                             |
| 06.262.020                 | <i>Cyphon variabilis</i> THUNB.          | ----                    | FRK, KLE, STR,                   |
| 06.263.030                 | <i>Scirtes hemisphaericus</i> (L.)       | ----                    | BRE, KLE, LAN,                   |
| <b>055. Byrrhidae</b>      |                                          |                         |                                  |
| 06.342.010                 | <i>Byrrhus pilula</i>                    | BRE,                    | ----                             |
| <b>056. Byturidae</b>      |                                          |                         |                                  |
| 07.020.010                 | <i>Byturus ochraceus</i> (SCRIBA)        | LAN,                    | ----                             |
| <b>060. Nitidulidae</b>    |                                          |                         |                                  |
| 07.069.001                 | <i>Pocadius ferrugineus</i> (F.)         | LAN,                    | ----                             |
| <b>061. Kateretidae</b>    |                                          |                         |                                  |
| 07.023.150                 | <i>Brachypterus urticae</i> (F.)         | ----                    | FRK, LAN,                        |
| 07.025.020                 | <i>Brachypterus pulicarius</i> (L.)      | ----                    | FRK,                             |
| <b>064. Cucujidae</b>      |                                          |                         |                                  |
| 07.093.020                 | <i>Uleiota planata</i> (L.)              | ----                    | LAN,                             |
| <b>065. Silvanidae</b>     |                                          |                         |                                  |
| 07.089.020                 | <i>Airaphilus elongatus</i> (GYLL.)      | ----                    | KON,                             |
| <b>067. Erotylidae</b>     |                                          |                         |                                  |
| 07.107.070                 | <i>Dacne bipustulata</i> (THUN.)         | ----                    | LAN,                             |
| <b>069. Cryptophagidae</b> |                                          |                         |                                  |
| 07.118.010                 | <i>Micrambe lindbergorum</i> (BRUCE)     | ----                    | BRE,                             |
| 07.118.040                 | <i>Micrambe vini</i> (PANZ.)             | HEN,                    | ----                             |
| 07.119.030                 | <i>Micrambe abietis</i> (PAYK.)          | LAN,                    | ----                             |
| 07.149.020                 | <i>Atomaria turgida</i> ERICHS           | ----                    | KLE,                             |
| <b>072. Laemophloeidae</b> |                                          |                         |                                  |
| 07.039.030                 | <i>Cryptolestes ferrugineus</i> (STEPH.) | ----                    | KLE.                             |
| <b>073. Latridiidae</b>    |                                          |                         |                                  |
| 07.179.010                 | <i>Enicmus transversus</i> (OLIV.)       | ----                    | KON,                             |
| 07.183.010                 | <i>Corticaria umbilicata</i> BECK.       | BRE,                    | ----                             |
| 07.185.010                 | <i>Corticaria impressa</i> OLIV.         | ----                    | KON,                             |
| 07.188.010                 | <i>Corticaria saginata</i>               | ----                    | KON,                             |
| <b>075. Colydiidae</b>     |                                          |                         |                                  |
| 07.209.010                 | <i>Bitoma crenata</i> (F.)               | ----                    | LAN,                             |

**078. Coccinellidae**

|            |                                            |                |           |
|------------|--------------------------------------------|----------------|-----------|
| 07.239.020 | <i>Coccidula rufa</i> (HERBST)             | BRE,           | ----      |
| 07.240.020 | <i>Rhyzobius chrysomeloides</i> (HERBST)   | HEN,           | ----      |
| 07.244.030 | <i>Scymnus nigrinus</i> KUGEL.             | ----           | KLE,      |
| 07.252.010 | <i>Scymnus suturalis</i> THUNB.            | KLE,           | ----      |
| 07.253.030 | <i>Nephus redtenbacheri</i> (MULSANT)      | ----           | KON,      |
| 07.258.010 | <i>Exochomus quadripustulatus</i> (L.)     | HEN, LAN,      | ----      |
| 07.262.010 | <i>Aphidecta oblitterata</i> (L.)          | HEN,           | ----      |
| 07.263.020 | <i>Anisosticta novedecempunctata</i> (L.)  | ----           | KLE, LAN, |
| 07.264.010 | <i>Hippodamia notata</i> (LAICH.)          | BRE,           | FRK,      |
| 07.266.020 | <i>Tytthaspis sedecimpunctata</i> (L.)     | HEN,           | FRK, KLE, |
| 07.267.020 | <i>Adalia decempunctata</i> (L.)           | HEN,           | ----      |
| 07.268.010 | <i>Adalia bipunctata</i> (L.)              | BIC,           | ZIE,      |
| 07.270.030 | <i>Coccinella septempunctata</i> L.        | BIC, HEN, KLE, | ZIE,      |
| 07.274.030 | <i>Calvia quatuordecimpunctata</i> (LINNÉ) | ----           | BRE,      |
| 07.275.020 | <i>Propylea quatuordecimpunctata</i> (L.)  | KLE,           | BRE, KLE, |
| 07.277.010 | <i>Halyzia sedecimpunctata</i> (L.)        | ----           | LAN,      |
| 07.278.010 | <i>Psyllobora vigintiduopunctata</i> (L.)  | HEN,           | ----      |

**080. Cisiidae**

|            |                                       |      |           |
|------------|---------------------------------------|------|-----------|
| 07.282.010 | <i>Octotemnus glabriculus</i> (GYLL.) | ---- | HEN,      |
| 07.284.010 | <i>Sulcacis affinis</i> (GYLL.)       | ---- | HEN,      |
| 07.287.030 | <i>Cis setiger</i> MELL.              | ---- | HEN,      |
| 07.288.020 | <i>Cis boleti</i> (SCOP.)             | ---- | BRE, HEN, |
| 07.289.010 | <i>Cis hispidus</i> (PAYKULL)         | ---- | BRE,      |

**083. Anobiidae**

|            |                                    |      |      |
|------------|------------------------------------|------|------|
| 08.033.020 | <i>Dryophilus pusillus</i> (GYLL.) | LAN, | ---- |
| 08.037.010 | <i>Episernus granulatus</i> WEISE  | LAN, | ---- |
| 08.039.020 | <i>Ernobius abietinus</i> (GYLL.)  | LAN, | ---- |

**085. Oedemeridae**

|            |                                     |                     |           |
|------------|-------------------------------------|---------------------|-----------|
| 08.086.020 | <i>Chrysanthia viridissima</i> (L.) | BIC, KLE, LAN,      | BRE, LAN, |
| 08.089.010 | <i>Oedemera flavipes</i> (FABR.)    | BRE,                | ----      |
| 08.091.010 | <i>Oedemera femorata</i> (SCOP)     | BRE, HEN, KLE, LAN, | FRK, BRE, |
| 08.092.020 | <i>Oedemera virescens</i> (L.)      | KLE,                | ----      |
| 08.092.030 | <i>Oedemera lurida</i> (MARSH.)     | BIC, HEN,           | ----      |

**087. Salpingidae**

|            |                                    |      |      |
|------------|------------------------------------|------|------|
| 08.099.010 | <i>Salpingus planirostris</i> (F.) | LAN, | ---- |
|------------|------------------------------------|------|------|

**096. Mordellidae**

|            |                                           |           |      |
|------------|-------------------------------------------|-----------|------|
| 08.170.050 | <i>Mordella holomelaena</i> APFB.         | ----      | BRE, |
| 08.181.010 | <i>Mordellistena brevicauda</i> (BOHEMAN) | ----      | FRK, |
| 08.184.030 | <i>Mordellistena pumila</i> (GYLL.)       | ----      | HEN, |
| 08.185.020 | <i>Mordellistena pentas</i> MULS.         | KLE,      | ---- |
| 08.192.010 | <i>Anaspis frontalis</i> (L.)             | BRE, KLE, | ---- |

**099. Lagriidae**

|            |                          |      |                                  |
|------------|--------------------------|------|----------------------------------|
| 08.214.010 | <i>Lagria hirta</i> (L.) | ---- | FRK, BRE, KLE, LAN,<br>KON, STR, |
|------------|--------------------------|------|----------------------------------|

**100. Alleculidae**

|            |                            |      |      |
|------------|----------------------------|------|------|
| 08.222.020 | <i>Isomira murina</i> (L.) | ---- | FRK, |
|------------|----------------------------|------|------|

**104. Scarabaeidae**

|            |                                      |                          |      |
|------------|--------------------------------------|--------------------------|------|
| 08.288.030 | <i>Onthophagus ovatus</i> (L.)       | BRE, HEN, KLE,           | ---- |
| 08.301.010 | <i>Aphodius fossor</i> (L.)          | BRE, HEN, KLE,           | ---- |
| 08.301.020 | <i>Aphodius haemorrhoidalis</i> (L.) | HEN, KLE,                | ---- |
| 08.320.040 | <i>Aphodius fimetarius</i> (L.)      | HEN, KLE,                | ---- |
| 08.323.010 | <i>Aphodius ater</i> s.l. DE GEER    | HEN, KLE,                | ---- |
| 08.126.010 | <i>Aphodius rufus</i> (MOLL)         | HEN, KLE,                | ---- |
| 08.307.020 | <i>Aphodius pusillus</i> HERBST      | KLE,                     | ---- |
| 08.340.030 | <i>Amphimallon atrum</i> (HERBST)    | BIC, HEN, KLE, LAN, ZIE, | ---- |

|                           |                                                |                               |                     |
|---------------------------|------------------------------------------------|-------------------------------|---------------------|
| 08.335.001                | <i>Serica intermixta</i> BLATCHLEY             | HEN, KLE,                     | ----                |
| 08.354.010                | <i>Hoplia philanthus</i> (FUESS.)              | BRE, HEN,                     | ----                |
| 08.355.010                | <i>Hoplia argentea</i> (PODA)                  | BIC, HEN, KLE,                | ----                |
| <b>106. Cerambycidae</b>  |                                                |                               |                     |
| 09.019.020                | <i>Rhagium inquisitor</i> (L.)                 | ----                          | KLE,                |
| 09.021.012                | <i>Stenocorus meridianus</i> L.                | BIC,                          | ----                |
| 09.028.010                | <i>Grammoptera ruficornis</i> (F.)             | BRE,                          | ----                |
| 09.031.030                | <i>Pseudovadonia livida</i> (F.)               | BIC,                          | ----                |
| 09.032.050                | <i>Corymbia maculicornis</i> DE GEER           | HEN, KLE, LAN, ZIE,           | FRK, KLE, LAN,      |
| 09.035.020                | <i>Pachytodes cerambyciformis</i> (SCHRK.)     | FRK,                          | ----                |
| 09.038.030                | <i>Leptura maculata</i> (PODA)                 | BRE,                          | BRE,                |
| 09.039.010                | <i>Stenurella melanura</i> (L.)                | BIC, BRE, HEN, KLE, LAN, ZIE, | BRE, FRK, LAN, ZIE, |
| 09.039.020                | <i>Stenurella bifasciata</i> (MÜLL.)           | BIC, BRE, KLE, LAN,           | FRK,                |
| 09.048.020                | <i>Obrium brunneum</i> (F.)                    | BRE, LAN,                     | ----                |
| 09.080.020                | <i>Pogonocherus hispidus</i> (L.)              | ----                          | LAN,                |
| 09.081.020                | <i>Pogonocherus decoratus</i> (FAIR.)          | LAN,                          | ----                |
| 09.185.020                | <i>Agapanthia violacea</i> (L.)                | KLE,                          | ----                |
| 09.086.050                | <i>Agapanthia villosovinidescens</i> (DE GEER) | ZIE,                          | LAN,                |
| 09.092.030                | <i>Phytoecia nigripes</i> MULS.                | BIC,                          | ----                |
| 09.094.040                | <i>Tetrops praeustus</i> (L.)                  | BRE,                          | ----                |
| <b>107. Chrysomelidae</b> |                                                |                               |                     |
| 09.108.020                | <i>Plateumaris sericea</i> (L.)                | KLE, ZIE,                     | ----                |
| 09.109.020                | <i>Plateumaris consimilis</i> (SCHRK.)         | BRE,                          | MES,                |
| 09.111.020                | <i>Zeugophora flavicollis</i> (MARSH.)         | ----                          | LAN,                |
| 09.112.020                | <i>Lema lichenis</i> VOET.                     | BRE,                          | KLE,                |
| 09.113.040                | <i>Lema melanopus</i> (L.)                     | ----                          | BRE,                |
| 09.119.030                | <i>Clytra quadripunctata</i> (L.)              | BIC, HEN,                     | ----                |
| 09.119.040                | <i>Smaragdina salicina</i> (SCOP.)             | KLE, LAN,                     | ----                |
| 09.122.010                | <i>Cryptocephalus aureolus</i> SUFFR.          | BIC, BRE, HEN,                | ----                |
| 09.127.050                | <i>Cryptocephalus hypochaeridis</i> (L.)       | KLE, LAN, ZIE,                | ----                |
| 09.136.030                | <i>Cryptocephalus biguttatus</i> (SCOP.)       | BIC,                          | LAN, ZIE,           |
| 09.136.040                | <i>Cryptocephalus bipunctatus</i> (L.)         | HEN, KLE,                     | ----                |
| 09.126.040                | <i>Cryptocephalus sericeus</i> (L.)            | HEN, KLE,                     | ----                |
| 09.130.010                | <i>Cryptocephalus marginatus</i> (F.)          | ----                          | KLE, LAN,           |
| 09.139.020                | <i>Cryptocephalus moraei</i> (L.)              | HEN,                          | FRK, LAN, ZIE,      |
| 09.137.010                | <i>Cryptocephalus vittatus</i> (F.)            | BIC, KLE, LAN, ZIE,           | FRK,                |
| 09.138.010                | <i>Cryptocephalus decemmaculatus</i> (L.)      | ----                          | FRK, LAN, ZIE,      |
| 09.142.010                | <i>Cryptocephalus labiatus</i> (L.)            | ----                          | BRE, FRK, KLE,      |
|                           |                                                |                               | LAN, ZIE,           |
| 09.142.060                | <i>Cryptocephalus pygmaeus</i> F.              | BRE,                          | FRK,                |
| 09.157.040                | <i>Chrysolina staphylaea</i> (L.)              | ----                          | KON,                |
| 09.161.040                | <i>Chrysolina varians</i> (SCHALLER)           | ----                          | FRK,                |
| 09.164.010                | <i>Chrysolina graminis</i> (L.)                | KLE,                          | ----                |
| 09.164.040                | <i>Chrysolina polita</i> (L.)                  | ----                          | ZIE,                |
| 09.165.020                | <i>Chrysolina fastuosa</i> (SCOP)              | ----                          | BRE, FRK, LAN,      |
| 09.184.010                | <i>Phytodecta rufipes</i> (DEG.)               | ----                          | BRE,                |
| 09.191.020                | <i>Timarcha tenebricosa</i> (F.)               | KLE,                          | ----                |
| 09.185.030                | <i>Gonioctena viminalis</i> (L.)               | ----                          | FRK,                |
| 09.188.030                | <i>Phratora laticollis</i> (SUFFR.☺)           | ----                          | FRK,                |
| 09.197.030                | <i>Galeruca tanacetii</i> (L.)                 | ----                          | BRE, KON,           |
| 09.199.010                | <i>Lochmaea capreae</i> (L.)                   | ----                          | ZIE,                |
| 09.201.010                | <i>Calomicrus pinicola</i> (DUFTS.)            | HEN, KLE,                     | ----                |
| 09.202.050                | <i>Luperus luperus</i> (SULZ.)                 | ZIE,                          | FRK,                |
| 09.203.010                | <i>Luperus flavipes</i> (L.)                   | BRE, HEN,                     | BRE,                |
| 09.210.030                | <i>Phyllotreta tetrastigma</i> (COMO.)         | ZIE,                          | ----                |
| 09.217.060                | <i>Aphthona atrocaerulea</i> (STEPH.)          | HEN,                          | ----                |



|                           |                                           |                     |                |
|---------------------------|-------------------------------------------|---------------------|----------------|
| 09.224.020                | <i>Longitarsus luridus</i> (SCOP.)        | ZIE,                | ----           |
| 09.230.010                | <i>Longitarsus suturellus</i> (DUFT.)     | ----                | ZIE,           |
| 09.235.020                | <i>Altica lythri</i> (AUBE)               | ----                | ZIE,           |
| 09.236.010                | <i>Altica aenescens</i> WEISE             | ----                | FRK,           |
| 09.239.010                | <i>Crepidodera ferruginea</i> (SCOP)      | BRE,                | ----           |
| 09.240.050                | <i>Asiorestia transversa</i> (MARSH.)     | KLE, LAN,           | FRK, ZIE,      |
| 09.246.030                | <i>Derocrepis rufipes</i> (L.)            | HEN, KLE,           | ----           |
| 09.248.010                | <i>Crepidodera aurata</i> (MARSH)         | ZIE,                | ----           |
| 09.248.050                | <i>Crepidodera aurea</i> GEOFFR.          | ----                | FRK,           |
| 09.248.040                | <i>Crepidodera fulvicornis</i> (F.)       | ----                | BRE, KLE, ZIE, |
| 09.257.030                | <i>Chaetocnema hortensis</i> (GEOFR.)     | HEN,                | ----           |
| 09.263.040                | <i>Dibolia cryptocephala</i> (KOCH)       | HEN,                | ----           |
| 09.271.010                | <i>Cassida viridis</i> (L.)               | ----                | LAN,           |
| 09.278.030                | <i>Cassida sanguinosa</i> SUFF.           | BIC,                | ----           |
| 09.277.040                | <i>Cassida rubiginosa</i> MÜLL.           | ZIE,                | LAN,           |
| <b>108. Bruchidae</b>     |                                           |                     |                |
| 10.014.030                | <i>Bruchus atomarius</i> (L.)             | BRE,                | ----           |
| <b>110. Anthribidae</b>   |                                           |                     |                |
| 10.031.030                | <i>Brachytarsus nebulosus</i> FORST.      | LAN,                | ----           |
| <b>115. Rhynchitidae</b>  |                                           |                     |                |
| 10.116.010                | <i>Pselaphorhynchites nanus</i> (PAYK.)   | ----                | KLE, MES,      |
| 11.288.040                | <i>Rhynchaenus fagi</i> (L.)              | BRE, HEN,           | ----           |
| <b>117. Apionidae</b>     |                                           |                     |                |
| 10.127.601                | <i>Hemitrichapion waltoni</i> (STEPH)     | MES,                | ----           |
| 10.135.020                | <i>Apion frumentarium</i> (L.)            | ----                | KLE, LAN,      |
| 10.138.020                | <i>Perapion curtirostre</i> (GERMAR)      | ----                | KON,           |
| 10.139.030                | <i>Perapion marchicum</i> HERBST          | ----                | MES,           |
| 10.152.040                | <i>Squamapion atomarium</i> KIRBY         | MES,                | ----           |
| 10.155.010                | <i>Ceratapion carduorum</i> (KIRBY)       | ----                | MES,           |
| 10.169.030                | <i>Eutrichapion punctigerum</i> PAYK.     | MES,                | ----           |
| 10.171.010                | <i>Hemitrichapion reflexum</i> (GYLL.)    | KLE,                | ----           |
| 10.173.020                | <i>Holotrichapion ononis</i> (KIRY)       | KLE, MES,           | ----           |
| 10.173.030                | <i>Trichapion simile</i> (KIRBY)          | ----                | MES,           |
| 10.177.030                | <i>Ischnopterapion virens</i> (HERBST)    | MES,                | KLE, MES,      |
| 10.178.010                | <i>Pseudoprotapion elegantulum</i> (GER.) | HEN, KLE,           | ----           |
| 10.179.020                | <i>Protapion fulvipes</i> (FOURC.)        | MES, HEN,           | ----           |
| 10.179.030                | <i>Protapion nigrirtase</i> /KIRBYI)      | ----                | KLE,           |
| 10.182.040                | <i>Protapion apricans</i> (HERBST)        | MES, HEN,           | KON,           |
| 10.182.030                | <i>Protapion assimile</i> (KIRBY)         | HEN, KLE            | KLE,           |
| 10.163.020                | <i>Ischnopterapion loti</i> (KIRBY)       | HEN,                | ----           |
| 10.171.010                | <i>Hemitrichapion reflexum</i> (GYLL.)    | HEN,                | ----           |
| 10.168.020                | <i>Cynapion spencii</i> (KIRBY)           | HEN,                | ----           |
| 10.174.020                | <i>Eutrichapion ervi</i> (KIRBY)          | HEN,                | ----           |
| 11.188.050                | <i>Rhinoncus henningensi</i> WAGNER       | ----                | KLE,           |
| 11.254.010                | <i>Nanophyes marmoratus</i> (GOEZE)       | ----                | KLE,           |
| 11.288.040                | <i>Rhynchaenus fagi</i> (L.)              | ----                | KLE,           |
| <b>118. Curculionidae</b> |                                           |                     |                |
| 10.204.049                | <i>Otiorhynchus porcatus</i>              | ----                | KON,           |
| 10.211.020                | <i>Otiorhynchus singularis</i> (L.)       | BIC, BRE,           | BRE,           |
| 10.211.030                | <i>Otiorhynchus veterator</i> UYTENBO.    | KLE,                | ----           |
| 10.228.030                | <i>Phyllobius virideaeris</i> LAICH.      | ----                | MES,           |
| 10.228.040                | <i>Phyllobius roboretanus</i> (GREDL.)    | BIC, MES, HEN; ZIE, | BRE,           |
| 10.229.010                | <i>Phyllobius oblongus</i> (L.)           | HEN, KLE, MES,      | ----           |
| 10.230.010                | <i>Phyllobius arborator</i> (HERBST)      | HEN, MES,           | ----           |
| 10.230.030                | <i>Phyllobius pomaceus</i> GYLL.          | ZIE,                | ----           |
| 10.232.020                | <i>Phyllobius betulinus</i> (BECH &)      | HEN, KLE, MES,      | ----           |

|            |                                          |                |           |
|------------|------------------------------------------|----------------|-----------|
| 10.244.010 | <i>Polydrusus impar</i> DES GOZIS        | HEN, KLE,      | ----      |
| 10.244.020 | <i>Polydrusus pallidus</i> (GYLL.)       | MES.           | ----      |
| 10.245.030 | <i>Polydrusus pterygomalis</i> BOH.      |                | MES,      |
| 10.248.020 | <i>Polydrusus sericeus</i> (SCHALL.)     | ----           | MES,      |
| 10.246.040 | <i>Polydrusus pilosus</i> GREDLER        | MES,           | MES,      |
| 10.263.020 | <i>Strophosoma melanogramma</i> (FORST.) | ----           | BRE, MES, |
| 10.270.020 | <i>Sitona lineatus</i> (L.)              | HEN,           | ----      |
| 10.271.010 | <i>Sitona suturalis</i> STEPH.           | MES,           | ----      |
| 10.271.040 | <i>Sitona lepidus</i> GYLL.              | MES,           | ----      |
| 10.272.030 | <i>Sitona humeralis</i> STEPH.           | MES,           | ----      |
| 11.012.020 | <i>Lixus filiformis</i> (F.)             | MES,           | ----      |
| 11.018.001 | <i>Larinus jaceae</i> (F.)               | MES,           | ----      |
| 11.019.010 | <i>Larinus turbinatus</i> GYLL.          | FRK, LAN,      | ----      |
| 11.064.010 | <i>Dorytomus taeniatus</i> (F.)          | MES,           | MES,      |
| 11.080.020 | <i>Ellescus scanicus</i> (PAYK)          | ----           | MES,      |
| 11.080.030 | <i>Ellescus bipunctatus</i> (L.)         | MES,           | ----      |
| 11.086.020 | <i>Tychius picirostris</i> (F.)          | BIC, HEN, KLE, | KON,      |
| 11.087.010 | <i>Tychius meliloti</i> STEPH.           | MES,           | ----      |
| 11.087.030 | <i>Tychius stephensi</i> SCHÖNH.         | MES, HEN,      | MES,      |
| 11.099.020 | <i>Anthonomus humeralis</i> (PANZ.)      | ZIE,           | ----      |
| 11.103.030 | <i>Anthonomus rubi</i> (HERBST)          | HEN,           | ----      |
| 11.110.040 | <i>Curculio salicivorus</i> (PAYK.)      | ----           | MES,      |
| 11.114.020 | <i>Pissodes pini</i> (L.)                | KLE ;          | ----      |
| 11.116.010 | <i>Magdalis ruficornis</i> (L.)          | HEN, ZIE,      | ----      |
| 11.119.020 | <i>Magdalis linearis</i> (GYLL.)         | MES,           | ----      |
| 11.120.030 | <i>Magdalis violecea</i> (L.)            | ----           | ZIE,      |
| 11.120.040 | <i>Magdalis duplicata</i> GERM.          | BIC,           | ----      |
| 11.128.020 | <i>Liparus germanus</i> (L.)             | BRE.           | ----      |
| 11.148.030 | <i>Hypedra meles</i> F.                  | MES,           | ----      |
| 11.151.010 | <i>Hypera postica</i> (GYLL.)            | HEN,           | ----      |
| 11.178.010 | <i>Limnobaris T-album</i> (L.)           | MES, ZIE,      | ----      |
| 11.178.040 | <i>Limnobaris dolorosa</i> (GOEZE)       | MES,           | MES,      |
| 11.191.030 | <i>Rutidosoma globulus</i> (HERBST)      | ----           | KON,      |
| 11.202.020 | <i>Tachyerges stigma</i> GERM.           | MES,           | ----      |
| 11.204.010 | <i>Zaenadus geranii</i> (PAYK.)          | ZIE,           | ----      |
| 11.211.010 | <i>Ceutorhynchus ineffectatus</i> GYLL.  | MES,           | ----      |
| 11.217.010 | <i>Ceutorhynchus assimilis</i> (PAYK.)   | HEN,           | ----      |
| 11.219.010 | <i>Ceutorhynchus erysimi</i> (F.)        | ----           | KON,      |
| 11.231.020 | <i>Datonychus melanostictus</i> (MARSH.) | MES,           | ----      |
| 11.249.010 | <i>Trichosirocalus horridus</i> (PANZER) | ----           | MES,      |
| 11.252.020 | <i>Nedus quadrimaculatus</i> (L.)        | MES, ZIE,      | ----      |
| 11.268.040 | <i>Gymnetron antirrhini</i> (PAYK.)      | ----           | BRE.      |
| 11.274.010 | <i>Miarus graminis</i> (GYLL.)           | MES,           | ----      |
| 11.292.040 | <i>Tachyerges salicis</i> (L.)           | ----           | FRK.      |
| 11.292.030 | <i>Tachyerges decoratus</i> GERM.        | MES,           | ----      |

## Literatur

- Ahrens, D. & Kless, J. (2001): Eine importierte nordamerikanische *Serica*-Art in Baden-Württemberg (Coleoptera: Scarabaeidae, Sericini). – Entomologische Zeitschrift, 111(5): 153–155.
- Frank, J. & Konzelmann, E. (2002): Die Käfer Baden-Württembergs 1950–2000. – Landesanstalt für Umweltschutz, Fachdienst Naturschutz, Naturschutz-Praxis, Artenschutz 6, 290 S.

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