

# Checklists of mites (Acari: Oribatida) found in Lancashire and Cheshire

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## Introduction:

In the classic sense of the group, oribatid mites (also called beetle mites, armoured mites, or moss mites) comprise more than 9,000 named species (Schatz, 2002, 2005; Subías, 2004) representing 172 families. Although many are arboreal and a few are aquatic, most oribatid mites inhabit the soil-litter system. They are often the dominant arthropod group in highly organic soils of temperate forests, where 100–150 species may have collective densities exceeding  $100,000\text{m}^{-2}$  (Norton & Behan-Pelletier, 2009).

A useful introduction to British oribatid taxonomy and history in general can be found in Monson (2011).

Unless otherwise stated, the superfamily and family organisation are in accordance with Schatz *et al* (2011) and lower level taxonomy is in accordance with Weigmann (2006).

Each species is followed by a list of sites indicating where it was found etc. in its respective vice county.

All identifications are by the Author unless otherwise stated.

Two sites listed had a previous history of published records namely Delamere Forest and Wybunbury Moss (both in Cheshire) prior to the recent collections of Monson (Delamere Forest) and National Museums Liverpool (NML) (Wybunbury Moss) which are listed below.

The prime aim of this new checklist (though limited to three vice counties namely VC58, VC59 and VC60) is to provide a useful tool for those who follow in the pursuit and fascinating study of oribatid mites in Lancashire and Cheshire and elsewhere.

A new GB Checklist covering England, Scotland and Wales is *in prep* by the Author.

This present article is the result of a continuing personal familiarisation with the British Acari.



Figure 1  
*Quadroppia* Jacot, 1939 sp.  
(as yet unidentified)



Figure 2  
*Carabodes scaber* Monson, 2009



Figure 3  
*Coronosquadrupia monstruosa* (Hammer, 1979)  
(record not yet published for GB)

## Checklist of Lancashire Oribatids (published and unpublished combined) (VC59 and VC60)

Number of species = 198  
Number of sub-species = 2  
Number of genera = 97  
Number of families = 48

### Lancashire sites

- Site L1: Ainsdale Sand Dunes NNR (SD299109), habitat: moss under pines planted on sand dunes, collector: F. D. Monson, date: 1/4/1995, VC59
- Site L2: Ainsdale and Birkdale LNR (SD296116), habitat: generally moss and other vegetation, collector: NML, dates: 18/5/2000 to 11/7/2000, VC59
- Site L3: Hightown Beach (SD295020), habitat: upper tideline litter on a mainly sandy beach backed by dunes, collector: F. D. Monson, date: 4/10/2009, VC59
- Site L4: Marshside, Southport (SD350206), site located south of and adjacent to, sand Treatment plant (now redundant), habitat: rotten vegetation at base of marram grass, collector: F. D. Monson, date: 1/2/2006, VC59
- Site L5: Gaitbarrows (SD 483777), habitat: woodland litter, collector: Hillary Bedford, date: 6/10/2009, VC60
- Site L6: Warton Crag (SD494730), habitats: holly litter, moss/leaf litter, bracken litter, turf/soil, plug, collector: Tony Hunter NML, dates: 7/6/2011 to 31/10/2011, VC60
- Site L7: Chavasse Park, Liverpool City Centre (SJ343900), habitat: turf from main lawn, collector: Tony Hunter NML, date: 2/10/2013, VC59
- Site L8: Stockton's Wood, Speke Hall NT (SJ SJ423828), habitat: moss from woodland floor, for dates, see Monson (2002) plus results of ongoing collecting at the site since 2002, VC59
- Site L9: Stockton's Wood, Speke Hall NT (SJ423828), habitat: brushings from silver birch bark, collector: F. D. Monson, date: 30/4/2008, VC59
- Site L10: Stockton's Wood, Speke Hall NT (SJ423828), habitat: compost heap, collector: F. D. Monson, date: 1/7/2004, VC59
- Site L11: Speke Hall NT (SJ419827), habitat: turf from edge of main lawn, collector: F. D. Monson, date: 1/10/2002, VC59
- Site L12: Barn Hey Farm, Tarbock (SJ466871), habitat: rotten straw at outer edges of Dutch barn, collector: F. D. Monson, date: 26/7/2002 plus results of ongoing collecting at the site, VC59
- Site L13: Humphries Farm, Tarbock (SJ467877) (also known as Markland's Farm), habitat: rotten straw at outer edges of Dutch barn, collector: F. D. Monson, date: 5/5/2002, VC59
- Site L14: Marsh Farm, Formby (SD287059), habitat: rotten straw at outer edges of Dutch barn, collector: F. D. Monson, date: 10/1/2006, VC59
- Site L15: Marsh Farm, Formby (SD287059), habitat: moss from floor of small copse, collector: F. D. Monson, date: 10/08/2004, VC59
- Site L16: Ainsdale Farm (also known as Segar's Farm) Ainsdale (SD304110), habitat: rotten straw at outer edges of Dutch barn, collector: F. D. Monson, date: 10/1/2006, VC59
- Site L17: Waterlane Farm, Tarbock (SJ469880), habitat: rotten straw at outer edges of Dutch barns, collector: F. D. Monson, date: 2/1/2006 & 16/4/2008, VC59
- Site L18: Whitedge Farm Hightown (SD3025904175), habitat: rotten straw inside brick barn, collector: F. D. Monson, date: 23/2/2002 & 1/7/2005, VC59
- Site L19: Childwall Fields, Liverpool (SJ416886), habitat: soil plug, collector: Liverpool John Moores University (LJMU), date: 24/5/2005, VC59
- Site L20: Cromdale Grove, St. Helens (SJ529), habitat: soil plug, collector: LJMU, date: 24/5/2005, VC59
- Site L21: Merton Bank, St. Helens (SJ526960), habitat: soil plug, collector: LJMU, date: 25/4/2004, 17/6/2005 & 30/6/2005, VC59
- Site L22: Kirkby Moss (SJ445984), habitat: soil plug, collector: LJMU, date: 10/8/2005, VC59
- Site L23: Sugar Brooke, Fazakerly (now possibly built on) (SJ392960), habitat: soil plug, collector: LJMU, date: 3/10/2005, VC59
- Site L24: Woolton, Liverpool (SJ423853), habitat: drawer in old wooden cupboard, collector: F. D. Monson, date: 1/07/2018, VC59.
- Site L25: Ormskirk, a small fragment of beech dominated woodland off Cranes Lane (SD4454609187), habitat: in leaf litter, collector: Tony Hunter NML, date: 12/11/2011, VC59

Site L26: Hale Park (SJ468821), habitat: moss on ground, collector: F. D. Monson, date: 25/2/1990, VC59.

Suborder **Oribatida** van der Hammen, 1968

Infraorder **Palaeosomata** Grandjean, 1969

Superfamily Ctenacaroidea Grandjean, 1954

Family Adelphacaridae Grandjean, 1954

Genus *Adelphacarus* Grandjean, 1932

*Adelphacarus sellnicki* Grandjean, 1952 (L24) (see Orange (2006))

Infraorder **Enathronota** Grandjean, 1969

Superfamily Brachychthonioidea Thor, 1934

Family Brachychthoniidae Thor, 1934

Genus *Brachychthonius* Berlese, 1910

*Brachychthonius impressus* Moritz, 1976 (L8) (record not yet published for GB)

Genus *Liochthonius* van der Hammen, 1952

*Liochthonius alpestris* (Forsslund, 1958) (L4) (record not yet published for GB)

*Liochthonius brevis* (Michael, 1888) (L6, L8, L9, L12, L25)

*Liochthonius clavatus* (Forsslund, 1942) (L1, L8) (see Monson (2014))

*Liochthonius evansi* (Forsslund, 1958) (L1, L8, L9, L12, L25)

*Liochthonius leptaleus* Moritz, 1976 (L16)

*Liochthonius muscorum* Forsslund, 1964 (L2, L8, L15)

*Liochthonius neglectus* Moritz, 1976 (L1, L2, L8)

*Liochthonius perfusorius* Moritz, 1976 (L1) (see Monson (1998))

*Liochthonius sellnicki* (Thor, 1930) (L2, L6, L8, L15) (see Monson (2000))

*Liochthonius simplex* (Forsslund, 1942) (L7)

*Liochthonius strenzki* Forsslund, 1963 (L6, L8, L14, L15, L20, L22) (see Monson (2011))

Genus *Neobrachychthonius* Moritz, 1976

*Neobrachychthonius marginatus* (Forsslund, 1942) (L8)

Genus *Poecilochthonius* Balogh, 1943

*Poecilochthonius spiciger* (Berlese, 1910) (L1, L2)

Genus *Sellnickochthonius* Krivolutsky, 1964

*Sellnickochthonius hungaricus* (J. Balogh, 1943) (L1, L2, L6, L14, L15, L22)

*Sellnickochthonius immaculatus* (Forsslund, 1942) (L8, L20)

*Sellnickochthonius rostratus* (Jacot, 1936) (L14, L15) (record not yet published for GB)

*Sellnickochthonius suecicus* (Forsslund, 1942) (L8)

Genus *Synchthonius* van der Hammen, 1952

*Synchthonius elegans* (Forsslund, 1956) (L1, L2) (see Monson (2000))

Superfamily Hypochthonioidea Berlese, 1910

Family Eniochthoniidae Grandjean, 1947

Genus *Eniochthonius* Grandjean, 1933

*Eniochthonius minutissimus* (Berlese, 1904) (L1, L6, L8, L12, L14, L15)

Family Hypochthoniidae Berlese, 1910

Genus *Hypochthonius* C. L. Koch, 1835

*Hypochthonius luteus* Oudemans, 1917 (L8, L12, L14)

*Hypochthonius rufulus* C. L. Koch, 1835 (L1, L8, L12, L15, L16)

Infraorder **Mixonomata** Grandjean, 1969

Superfamily Eulohmannioidea Grandjean, 1931

Family Eulohmanniidae Grandjean, 1931

Genus *Eulohmannia* Berlese, 1910

*Eulohmannia ribagai* (Berlese, 1910) (L8)

Superfamily Euphthiracaridea Jacot, 1930

Family Euphthiracaridae Jacot, 1930

Genus *Euphthiracarus* Ewing, 1916

*Euphthiracarus monodactylus* (Willmann, 1919) (L6, L8, L12) (not listed by Luxton (1996))  
(see Niedbala (2012))

Genus *Microtrititia* Märkel and Meyer, 1959

*Microtritia minima* Berlese, 1904 (L8)  
 Genus *Acrotrititia* Jacot, 1923

*Acrotrititia ardua* (C. L. Koch, 1841) (L2, L4, L8, L14, L15) (as *Rhysotrititia ardua* in Luxton (1996))  
*Acrotrititia duplicata* (Grandjean, 1953) (L1, L6, L8, L12, L15, L25) (as *Rhysotrititia duplicata* in Luxton (1996))

Superfamily Phthiracaroidae Perty, 1841  
 Family Phthiracaridae Perty, 1841  
 Genus *Hoplophthiracarus* Jacot  
*Hoplophthiracarus illinoisensis* (Ewing, 1909) (L8) (as *Hoplophthiracarus pavidus* in (Luxton (1996))

Genus *Phthiracarus* Perty, 1841  
*Phthiracarus affinis* (Hull, 1914) (L6)  
*Phthiracarus anonymus* (Grandjean, 1933) (L1, L6, L8, L12, L14, L15)  
*Phthiracarus ferrugineus* (C. L. Koch, 1841) (L8)  
*Phthiracarus longulus* (C. L. Koch, 1841) (L2, L6, L12)  
*Phthiracarus montanus* C. Pérez-Íñigo, 1969 (L8, L12, L14)  
*Phthiracarus nitens* (Nicolet, 1855) (L8)

Genus *Steganacarus* Ewing, 1917  
 Subgenus *Steganacarus (Atropacarus)* Ewing, 1917  
*Steganacarus (Atropacarus) striculus* (L6, L8, L12, L13) (C. L. Koch, 1835)  
*Steganacarus (Atropacarus) wandae* (L8) (Niedbala, 1981)  
 Subgenus *Steganacarus (Steganacarus)* Ewing, 1917  
*Steganacarus (Steganacarus) magnus* (Nicolet, 1855) (L1, L6, L7, L8, L10, L12)

Infraorder **Desmonomata** Woolley, 1973

Hyporder **Nothrina** van der Hammen, 1982

Superfamily Crotonioidea Thorell, 1876  
 Family Crotoniidae Thorell, 1876  
 Genus *Camasia* von Heyden, 1826  
*Camasia biurus* (C. L. Koch, 1839) (L1, L2)  
*Camasia biverrucata* (C. L. Koch, 1839) (L1)  
*Camasia horrida* (Hermann, 1804) (L2)  
*Camasia segnis* (Hermann, 1804) (L2)  
*Camasia spinifer* (C. L. Koch, 1835) (L1, L2)

Genus *Platynothrus* Berlese, 1913  
*Platynothrus fluviatilis* (Hull, 1913) (L6)  
*Platynothrus peltifer* (C. L. Koch, 1839) (L1, L2, L4, L6, L8, L12, L15, L20, L21, L22)

Family Hermannidae Sellnick, 1928  
 Genus *Hermannia* Nicolet, 1855  
*Hermannia gibba* (C. L. Koch, 1839) (L4, L5, L6, L16, L26)  
*Hermannia pulchella* Willmann, 1952 (L4, L8, L12)  
*Hermannia reticulata* Thorell, 1871 (L1, L8)  
*Hermannia scabra* (L. Koch, 1879) (L1, L8, L12, L15)

Family Malaconothridae Berlese, 1916  
 Genus *Malaconothrus* Berlese, 1904  
*Malaconothrus monodactylus* (Michael, 1888) (L1, L2, L6, L8, L16, L17)

Family Nanhermanniidae Sellnick, 1928  
 Genus *Nanhermannia* Berlese, 1913  
*Nanhermannia coronata* Berlese, 1913 (L1, L8, L10, L12, L14, L15, L25)  
*Nanhermannia elegantula* Berlese, 1913 (L1, L6)  
*Nanhermannia nana* (Nicolet, 1855) (L1, L2, L8)  
*Nanhermannia sellnicki* Forsslund, 1958 (L8)

Family Nothridae Berlese, 1896  
 Genus *Nothrus* C. L. Koch, 1835  
*Nothrus borussicus* Sellnick, 1928 (L2)  
*Nothrus palustris* C. L. Koch, 1839 (L1, L2, L6, L8, L15, L26)

*Nothrus silvestris* Nicolet, 1855 (L6, L8, L12)

Hyporder **Brachypylina** Hull, 1918

Superfamily Hermannielloidea Grandjean, 1934

Family Hermanniellidae Grandjean, 1934

Genus *Hermanniella* Berlese, 1908

*Hermanniella granulata* (Nicolet, 1855) (L1, L8)

Superfamily Damaeioidea Berlese, 1896

Family Damaeidae Berlese, 1896

Genus *Damaeobelba* Sellnick, 1928

*Damaeobelba minutissima* (Sellnick, 1920) (L1, L6, L8, L17)

Genus *Damaeus* C. L. Koch, 1835

*Damaeus (Adamaeus) onustus* (C. L. Koch, 1841) (L5, L6, L8, L26)

*Damaeus (Paradamaeus) clavipes* (Hermann, 1804) (L2, L6, L8, L21)

Genus *Epidamaeus* Bulanova-Zachvatkina, 1957

*Epidamaeus (cf.) floccusus* Behan-Pelletier and Norton, 1985 (L12) (see Miko and Monson (2013))

Genus *Metabelba* Grandjean, 1936

*Metabelba papillipes* (Nicolet, 1855) (L1, L4, L14, L15)

Genus *Porobelba* Grandjean, 1936

*Porobelba spinosa* (Sellnick, 1920) (L6)

Superfamily Cepheoidea Berlese, 1896

Family Cepheidae Berlese, 1896

Genus *Cepheus* C. L. Koch, 1835

*Cepheus cepheiformis* (Nicolet, 1855) (L1, L8)

*Cepheus dentatus* (Michael, 1888) (L6, L8)

*Cepheus latus* C. L. Koch, 1835 (L1, L8)

Superfamily Microzetoidea Grandjean, 1936

Family Microzetidae Grandjean, 1936

Genus *Microzetes* Berlese, 1913

*Microzetes septentrionalis* (Kunst, 1963) (L13, L17) (see Monson (2011))

Superfamily Ameroidea Bulanova-Zachvatkina, 1957

Family Amerobelbidae Grandjean, 1961

Genus *Amerobelba* Berlese, 1908

*Amerobelba decedens* Berlese, 1908 (L11) (see Monson (2011))

Family Damaeolidae Grandjean, 1965

Genus *Fosseremus* Grandjean, 1954

*Fosseremus laciniatus* (Berlese, 1905) (L1, L2, L6)

Superfamily Zetorchestoidea Michael, 1898

Family Eremaeidae Oudemans, 1900

Genus *Eueremaeus* Mihelčič, 1963

*Eueremaeus oblongus* (C. L. Koch, 1836) (L1, L6, L7, L14, L25) (as *Eremaeus oblongus* in Luxton (1996))

Superfamily Gustavioidea Oudemans, 1900

Family Astegistidae Balogh, 1961

Genus *Astegistes* Hull, 1916

*Astegistes pilosus* (C. L. Koch, 1841) (L1, L2)

Genus *Cultroribula* Berlese, 1908

*Cultroribula bicultrata* Berlese, 1908 (L6, L8, L9, L12)

*Cultroribula juncta* (Michael, 1885) (L8)

Family Liacaridae Sellnick, 1928

Genus *Adoristes* Hull, 1916

*Adoristes ovatus* (C. L. Koch, 1839) (L1, L4, L6, L7, L8, L9, L10, L12, L13, L25)

Genus *Liacarus* Michael, 1898

*Liacarus coracinus* (C. L. Koch, 1839) (L5, L6)

Genus *Xenillus* Robineau-Desvoidy, 1839

*Xenillus tegeocranus* (Hermann, 1804) (L4, L6, L8, L10, L12, L15)

Family Peloppiidae Balogh, 1943

Genus *Ceratoppia* Berlese, 1908

*Ceratoppia bipilis* (Hermann, 1804) (L1, L2, L5, L6, L8)

Superfamily Carabodoidea C. L. Koch, 1837  
 Family Carabodidae C. L. Koch, 1837  
 Genus *Carabodes* C. L. Koch, 1835  
     *Carabodes coriaceus* C. L. Koch, 1835 (L8)  
     *Carabodes femoralis* (Nicolet, 1855) (L8)  
     *Carabodes labyrinthicus* (Michael, 1879) (L1, L2, L8, L9, L12)  
     *Carabodes marginatus* (Michael, 1884) (L1)  
     *Carabodes rugosior* Berlese, 1916 (L1) (see Monson (2009))  
     *Carabodes scaber* Monson, 2009 (L8, L9) (see Monson (2009)) – **Figure 2**  
     *Carabodes willmanni* Bernini, 1975 (L1, L7)  
 Genus *Odontocepheus* Berlese, 1913  
     *Odontocepheus elongatus* (Michael, 1879) (L6, L8, L25)  
 Superfamily Oppioidea Grandjean, 1951  
 Family Autognetidae Grandjean, 1960  
 Genus *Autogneta* Hull, 1916  
     *Autogneta longilamellata* (Michael, 1885) (L1, L6, L8, L9)  
     *Autogneta parva* Forsslund, 1947 (L1, L7, L8)  
 Family Machuelliidae Balogh, 1983  
 Genus *Machuella* Hammer, 1961  
     *Machuella bilineata* Weigmann, 1976 (L6)  
 Family Oppiidae Grandjean, 1951  
 Genus *Berniniella* J. Balogh, 1983  
     *Berniniella sigma* (Strenzke, 1951) (L2, L6, L8, L9, L10, L14, L15, L17)  
 Genus *Dissorhina* Hull, 1916  
     *Dissorhina ornata* (Oudemans, 1900) (L1, L4, L6, L8, L10, L12, L13, L14, L17, L25)  
 Genus *Lanceoppia* Hammer, 1962  
 Subgenus *Lanceoppia* (*Baioppia*) Luxton, 1985  
     *Lanceoppia* (*Baioppia*) *talacrensis* Monson, 2000 (L8, L10, L11, L12, L13, L14, L17) (see Monson (2000))  
 Genus *Micropoppia* Balogh, 1983  
     *Micropoppia minus* (Paoli, 1908) (L2, L6, L8, L20, L22)  
 Genus *Multioppia* Hammer, 1961  
     *Multioppia neglecta* C. Pérez-Íñigo, 1969 (L4, L7, L8, L10, L11, L12, L13, L14, L15, L22, L23) (as *Multioppia excisa* in Luxton (1996))  
 Genus *Oppia* C. L. Koch, 1836  
     *Oppia denticulata* (R. and G. Canestrini, 1882) (L12, L14) (record not yet published for GB)  
     *Oppia nitens* (C. L. Koch, 1836) (L1, L3, L4, L6, L8, L10, L12, L14, L17, L18)  
 Genus *Oppiella* Jacot, 1937  
 Subgenus *Oppiella* (*Moritzoppia*) Subías & Rodríguez, 1988  
     *Oppiella* (*Moritzoppia*) *keilbachi* (Moritz, 1969) (L1, L6, L7, L8)  
     *Oppiella* (*Moritzoppia*) *neerlandica* (Oudemans, 1900) (L14, L16)  
     *Oppiella* (*Moritzoppia*) *unicarinata* (Paoli, 1908) (L1, L6, L7, L8)  
 Subgenus *Oppiella* (*Oppiella*) Jacot, 1937  
     *Oppiella* (*Oppiella*) *falcata* (Paoli, 1908) (L7)  
     *Oppiella* (*Oppiella*) *maritima* (Willmann, 1929) (L6, L7, L8)  
     *Oppiella* (*Oppiella*) *nova* (Oudemans, 1902) (L1, L2, L4, L6, L7, L8, L9, L10, L12, L14, L20, L21, L23)  
     *Oppiella* (*Oppiella*) *propinqua* Mahunka and Mahunka-Papp, 2000 (L4, L7, L20) (see Monson (2014))  
 Subgenus *Oppiella* (*Rhinoppia*) Balogh, 1983  
     *Oppiella* (*Rhinoppia*) *fallax* (Paoli, 1908) (L12, L13, L14) (as *Lauroppia fallax* in Luxton (1996))  
     *Oppiella* (*Rhinoppia*) *obsoleta* (Paoli, 1908) (L4, L6, L7, L8, L12, L14, L17, L21, L23) (as *Medioppia obsoleta* in Luxton (1996))  
     *Oppiella* (*Rhinoppia*) *subpectinata* (Oudemans, 1900) (L6, L8, L10, L17, L21, L23, L25) (as *Medioppia subpectinata* in Luxton (1996))  
 Genus *Oxyoppioides* Subías and Mínguez, 1985  
     *Oxyoppioides decipiens* (Paoli, 1908) (L8, L12, L14) (not yet published)  
 Genus *Ramusella* Hammer, 1962  
     *Ramusella assimilis* (Mihelčič, 1956) (L14)

- Ramusella clavipectinata* (Michael, 1885) (L2, L3, L4, L6, L8, L10, L11, L12, L13, L14, L20, L23)
- Ramusella fasciata* (Paoli, 1908) (L10, L13, L14, L17, L18) (see Monson (2014))
- Ramusella insculpta* (Paoli, 1908) (L12, L13, L14, L17)
- Genus *Serratoppia* Subías and Mínguez, 1985
- Serratoppia serrata* (Mihelčič, 1956) (L3, L4, L6, L8, L10, L12, L13, L14, L17, L23) (record not yet published for GB)
- Family Quadropiidae Balogh, 1983
- Genus *Coronoquadroppia* Ohkubo, 1995
- Coronoquadroppia galaica* Mínguez, Ruis and Subías, 1985 (L1, L6, L8, L12, L15, L17, L23, L25) (see Monson (2000))
- Coronoquadroppia lesleyae* Monson, 2000 (L6) (see Monson (2000))
- Coronoquadroppia monstrosa* (Hammer, 1979) (L8, L14, L16, L17, L20) (record not yet published for GB) - **Figure 3**
- Coronoquadroppia nana* Gordeeva, 1983 (L8) (record not yet published for GB)
- Coronoquadroppia nasalis* Gordeeva, 1983 (L3, L8, L14, L15, L21) (record not yet published for GB)
- Coronoquadroppia pseudocircumita* Mínguez, Ruis and Subías, 1985 (L6, L12, L14) (see Monson (1998))
- Genus *Quadroppia* Jacot, 1939
- Quadroppia hammerae* Mínguez, Ruis and Subías, 1985 (L8, L10, L14, L15, L17, L22) (see Monson (2000))
- Quadroppia maritalis* (Lions, 1982) (L6, L7, L8, L12, L14, L25)
- Quadroppia quadricarinata* (Michael, 1885) (L1, L2, L4, L6, L7, L8, L10, L14, L15, L16, L17, L25)
- Quadroppia* Jacot, 1939 sp. (L2, L15) - **Figure 1**
- Family Thyrisomidae Grandjean, 1953
- Genus *Banksinoma* Oudemans, 1930
- Banksinoma lanceolata* (Michael, 1885) (L4, L6, L7, L8, L10, L12, L13, L14, L15, L17, L21, L23)
- Genus *Oribella* Berlese, 1908
- Oribella pectinata* (Michael, 1885) (L4, L12, L13, L14, L17)
- Genus *Pantelozetes* Grandjean, 1953
- Pantelozetes paolii* (Oudemans, 1913) (L1, L6, L8, L12, L23)
- Superfamily Trizetoidea Ewing, 1917
- Family Suctobelbidae Jacot, 1938
- Genus *Suctobelba* Jacot, 1937
- Suctobelba regia* Moritz, 1970 (L1, L8, L12, L14, L16, L17, L25) (record not yet published for GB)
- Suctobelba trigona* (Michael, 1888) (L1, L6, L7, L8, L12, L17)
- Genus *Suctobelbella* Jacot, 1937
- Suctobelbella acutidens* (Forsslund, 1941) (L2, L4, L6, L7, L8, L9, L12, L15, L16, L17, L20, L21, L22, L25)
- Suctobelbella acutidens lobata* (Strenzke, 1950) (L2, L8) (as *Suctobelbella lobata* in Luxton (1996))
- Suctobelbella arcana* Moritz, 1970 (L8, L13, L16) (see Monson (2014))
- Suctobelbella falcata* (Forsslund, 1941) (L1, L6, L8, L9, L12)
- Suctobelbella hamata* Moritz, 1970 (L16) (see Monson (2014))
- Suctobelbella moritzi* Mahunka, 1987 (L1, L6) (record not yet published for GB)
- Suctobelbella nasalis* (Forsslund, 1941) (L1, L6, L8, L12, L14, L15)
- Suctobelbella sarekensis* (Forsslund, 1941) (L1, L6, L7, L9, L12, L17, L22, L23, L25)
- Suctobelbella similis* (Forsslund, 1941) (L1, L6, L8, L9, L17)
- Suctobelbella subcornigera* (Forsslund, 1941) (L1, L2, L4, L6, L7, L8, L9, L12, L13, L14, L15, L16, L17, L20, L21, L23, L25)
- Suctobelbella subtrigona* (Oudemans, 1900) (L1, L6, L8, L12, L25)
- Suctobelbella tuberculata* (Strenzke, 1950) (L8) (record not yet published for GB)
- Superfamily Tectocephoidea Grandjean, 1954
- Family Tectocephidae Grandjean, 1954
- Genus *Tectocephus* Berlese, 1896
- Tectocephus velatus* (Michael, 1880) (L1, L2, L3, L4, L6, L8, L14, L15, L20, L21, L22, L25)



*Tectocephus velatus alatus* Berlese, 1913 (L7, L12, L13)  
 Superfamily Limnozetoidea Thor, 1937  
 Family Limnozetidae Thor, 1937  
 Genus *Limnozetes* Hull, 1916  
     *Limnozetes ciliatus* (Schrank, 1803) (L12, L13)  
 Superfamily Ameronothroidea Willmann, 1931  
 Family Ameronothridae Willmann, 1931  
 Genus *Ameronothrus* Berlese, 1896  
     *Ameronothrus maculatus* (Michael, 1882) (L8, L12, L14)  
     *Ameronothrus schneideri* (Oudemans, 1903) (L4) (as *Hygoribates schneideri* in Luxton 1996))  
  
 Superfamily Cymbaeremaeoidea Sellnick, 1928  
 Family Cymbaeremaeidae Sellnick, 1928  
 Genus *Cymbaeremaeus* Berlese, 1896  
     *Cymbaeremaeus cymba* (Nicolet, 1855) (L1, L8)  
 Superfamily Licheremaeoidea Grandjean, 1954  
 Family Licheremaeidae Grandjean, 1954  
 Genus *Licheremaeus* (Michael, 1882)  
     *Licheremaeus lincnophorus* (Michael, 1882) (L7)  
 Family Micreremidae Grandjean, 1954  
 Genus *Micreremus* Berlese, 1908  
     *Micreremus brevipes* (Michael, 1888) (L1, L8)  
     *Micreremus gracilior* Willmann, 1931 (L15) (see Monson (2011))  
 Family Passalozetidae Grandjean, 1954  
 Genus *Passalozetes* Grandjean, 1932  
     *Passalozetes perforatus* (Berlese, 1910) (L3)  
 Family Scutoverticidae Grandjean, 1954  
 Genus *Scutovertex* Michael, 1879  
     *Scutovertex minutus* (C. L. Koch, 1835) (L11)  
     *Scutovertex sculptus* Michael, 1879 (L1, L2, L4, L6, L8, L12, L15)  
 Superfamily Phenopelopoidea Petrunovich, 1955  
 Family Phenopelopidae Petrunovich, 1955  
 Genus *Eupelops* Ewing, 1917  
     *Eupelops acromios* (Hermann, 1804) (L2)  
     *Eupelops plicatus* (C. L. Koch, 1835) (L1, L4, L6, L8, L14, L15)  
     *Eupelops tardus* (C. L. Koch, 1835) (L4, L12, L16)  
 Genus *Peloptulus* Berlese, 1908  
     *Peloptulus phaeonotus* (C. L. Koch, 1844) (L2, L6, L8, L12)  
 Superfamily Achipteroidea Thor, 1929  
 Family Achipteriidae Thor, 1929  
 Genus *Achipteria* Berlese, 1885  
     *Achipteria coleoptrata* (Linnaeus, 1758) (L2, L8, L10, L12, L14, L15, L16)  
     *Achipteria nitens* (Nicolet, 1855) (L8)  
 Genus *Parachipteria* van der Hammen, 1952  
     *Parachipteria punctata* (Nicolet, 1855) (L1, L6, L7, L8)  
     *Parachipteria willmanni* van der Hammen, 1952 (L6, L8) (as *Parachipteria nicoleti* (Berlese, 1883) in Luxton, 1996))  
 Genus *Pseudachipteria* Travé, 1960  
     *Pseudachipteria magna* (Sellnick, 1928) (L8)  
 Superfamily Oribatelloidea Jacot, 1925  
 Family Oribatellidae Jacot, 1925  
 Genus *Joelia* Oudemans, 1906  
     *Joelia fiorii* (de Coggi, 1898) (L1)  
 Genus *Ophidiotrichus* Grandjean, 1953  
     *Ophidiotrichus tectus* (Michael, 1884) (L6, L8, L12)  
 Genus *Oribatella* Banks, 1895  
     *Oribatella calcarata* (C. L. Koch, 1835) (L12)  
     *Oribatella litoralis* Strenzke, 1950 (L4) (see Monson (2011))  
     *Oribatella quadricornuta* (Michael, 1880) (L4, L6, L8, L12, L13, L14, L15, L16, L17, L23)  
 Superfamily Oripodoidea Jacot, 1925

Family Haplozetidae Grandjean, 1936  
 Genus *Haplozetes* Willmann, 1935  
     *Haplozetes vindobonensis* (Willmann, 1935) (L12, L18) (record not yet published for GB)

Family Oribatulidae Thor, 1929  
 Genus *Oribatula* Berlese, 1895  
     *Oribatula tibialis* (Nicolet, 1855) (L1, L3, L7, L8, L10, L12, L13, L14)

Genus *Zygoribatula* Berlese, 1916  
     *Zygoribatula exilis* (Nicolet, 1855) (L6, L8, L9)

Genus *Phauloppia* Berlese, 1908  
     *Phauloppia lucorum* (C. L. Koch, 1841) (L12, L15, L17)

Family Scheloribatidae Grandjean, 1933  
 Genus *Liebstadia* Oudemans, 1906  
     *Liebstadia longior* (Berlese, 1908) (L1) (as *Protoribates badensis* in Luxton (1996)) (in accordance with Miko & Weigmann (1996))  
     *Liebstadia similis* (Michael, 1888) (L1, L3, L4, L6, L8, L12, L13, L14, L15, L16, L19, L21, L22, L23)

Genus *Scheloribates* Berlese, 1908  
 Subgenus *Scheloribates* (*Hemileius*) Berlese, 1916  
     *Scheloribates* (*Hemileius*) *initialis* (Berlese, 1908) (L1, L4, L8, L12, L14, L23)

Subgenus *Scheloribates* (*Scheloribates*) Berlese, 1908  
     *Scheloribates* (*Scheloribates*) *laevigatus* (C. L. Koch, 1835) (L6, L10)  
     *Scheloribates* (*Scheloribates*) *latipes* (C. L. Koch, 1844) (L1, L2, L6)  
     *Scheloribates* (*Scheloribates*) *pallidulus* (C. L. Koch, 1841) (L1)

Superfamily Ceratozetoidea Jacot, 1925  
 Family Ceratozetidae Jacot, 1925  
 Genus *Ceratozetes* Berlese, 1908  
     *Ceratozetes gracilis* (Michael, 1884) (L2, L4, L6, L8, L12, L13, L14, L22, L26)  
     *Ceratozetes minutissimus* Willmann, 1951 (L11) (see Monson (2011))  
     *Ceratozetes peritus* Grandjean, 1951 (L8, L12, L15, L23)

Genus *Edwardzetes* Berlese, 1914  
     *Edwardzetes edwardsi* (Nicolet, 1855) (L8)

Genus *Fuscozetes* Sellnick, 1928  
     *Fuscozetes fuscipes* (C. L. Koch, 1844) (L8, L15)

Genus *Melanozetes* Hull, 1916  
     *Melanozetes mollicornus* (C. L. Koch, 1839) (L1, L8)

Genus *Sphaerozetes* Berlese, 1885  
     *Sphaerozetes piriformis* (Nicolet, 1855) (L6)

Genus *Trichoribates* Berlese, 1910  
     *Trichoribates berlesei* Jacot, 1929 (L1, L2, L4, L6, L7, L8, L12, L13, L16, L21, L22) (= *T. trimaculatus* sensu Sellnick 1928, Weigmann 2006) (as *T. trimaculatus* in Luxton (1996))  
     *Trichoribates incisellus* (Kramer, 1897) (L2, L3, L4, L8, L12, L13, L14) (as *Latilamellobates incisellus* in Luxton (1996))  
     *Trichoribates novus* (Sellnick, 1928) (L8, L14)

Family Chamobatidae Grandjean, 1954  
 Genus *Chamobates* Hull, 1916  
     *Chamobates cuspidatus* (Michael, 1884) (L8, L13)  
     *Chamobates interpositus* Pschorn-Walcher, 1953 (L5, L6, L8, L10, L12, L13, L14)  
     *Chamobates pusillus* (Berlese, 1895) (L4, L6, L9, L25)  
     *Chamobates subglobulus* (Oudemans, 1900) (L8, L12, L15)

Genus *Ocesobates* Aoki, 1965  
     *Ocesobates tumidisetosus* (Monson, 2002) (L6, L8) (now placed in genus *Ocesobates* Aoki, 1965 by Subías (2004)) (as *Chamobates tumidisetosus* in Monson, 2002)

Family Euzetidae Grandjean, 1954  
 Genus *Euzetes* Berlese, 1908  
     *Euzetes nitens* (Johnston, 1853) (L1, L2, L6, L8, L10, L12, L14, L15, L16, L19, L20, L22)  
     (Note: this species is generally referred to as *Euzetes globulus* (Nicolet, 1855). However, as Hull (1920) has pointed out, Johnston's name, being earlier, takes precedence. The even earlier name suggested by some authors (*Euzetes seminulum* (O. F. Müller, 1876) has been dismissed by van der Hammen (1952) as being insufficiently founded (Luxton (1990)).

Family Humerobatidae, Grandjean, 1971

Genus *Humerobates* Sellnick, 1928

*Humerobates rostromellatus* Grandjean, 1936 (L1, L8, L12, L15, L25)

Family Puncatoribatidae Thor, 1937 (= Mycobatidae Grandjean, 1954)

Genus *Minunthozetes* Hull, 1916

*Minunthozetes semirufus* (C. L. Koch, 1841) (L1, L4, L6, L8, L10, L12)

Genus *Puncatoribates* Berlese, 1908

*Puncatoribates punctum* (C. L. Koch, 1839) (L1, L6, L8, L10, L12, L13, L14, L15, L16, L20, L21, L22, L23)

Genus *Zachvatkinibates* Shaldybina, 1973

*Zachvatkinibates quadrivertex* (Halbert, 1920) (L3, L4) (as *Puncatoribates quadrivertex* in Luxton (1996))

Superfamily Galumnoidea Jacot, 1925

Family Galumnidae Jacot, 1925

Genus *Acrogalumna* Grandjean, 1956

*Acrogalumna longipluma* (Berlese, 1904) (L1, L4, L8, L12, L23)

Genus *Galumna* von Heyden, 1826

*Galumna lanceata* Oudemans, 1900 (L8)

Genus *Pergalumna* Grandjean, 1936

*Pergalumna altera* (Oudemans, 1915) (L8)

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## Checklist of Cheshire Oribatids (published and unpublished combined) (VC58)

Number of species = 154

Number of sub-species = 1

Number of genera = 75

Number of families = 44

### Cheshire sites

Site C1: Delamere Forest (SJ545717, SJ545719, SJ535718), habitat moss from forest floor (various), dates 1/3/1995 & 10/12/2007, VC58

The following species were listed prior for this site:

Hull, 1915:

*Camasia biurus* (C. L. Koch, 1839)  
*Carabodes labyrinthicus* (Michael, 1879)  
*Cepheus cepheiformis* (Nicolet, 1855)  
*Cepheus dentatus* (Michael, 1888)  
*Chamobates cuspidatus* (Michael, 1884)  
*Damaeus (Paradamaeus) clavipes* (Hermann, 1804)  
*Eueremaeus oblongus* (C. L. Koch, 1835)  
*Eupelops farinosus* (Nicolet, 1855)  
*Euzetes nitens* (Johnston, 1853)  
*Hermannia gibba* (C. L. Koch, 1839)  
*Melanozetes mollicomus* (C. L. Koch, 1839)  
*Phthiracarus affinis* (Hull, 1914)  
*Platynothrus peltifer* (C. L. Koch, 1839)  
*Steganacarus (Steganacarus) magnus* (Nicolet, 1855)

Hull, 1930:

*Dissorhina ornata* (Oudemans, 1900)  
*Peloptulus montanus* Hull, 1914  
*Oppiella (Moritzoppia) unicarinata* (Paoli, 1908)

Kendrick and Burges (1962) and Burges (1967) (for both papers):

*Banksinoma lanceolata* (Michael, 1885)  
*Chamobates pusillus* (Berlese, 1895)  
*Eupelops tardus* (C. L. Koch, 1835)  
*Carabodes minusculus* Berlese, 1923  
*Odontocephalus elongatus* (Michael, 1879)

*Ceratoppia bipilis* (Hermann, 1804)  
*Adoristes ovatus* (C. L. Koch, 1839)

- Site C2: Hatchmere Lake (north bank) (SJ552723), habitat moss on mere banking, date: 2/6/2010, VC58  
Site C3: The Plantation, Runcorn (SJ559838), habitat moss from woodland floor, date: 18/9/1999, VC58  
Site C4: Abbott's Moss (SJ595688), habitat moss, collector Alan Scott, dates: Nov 1996 & April 1997, VC58  
Site C5: Flaxmere Moss (SJ556723), habitat moss, collector Alan Scott, date: March 1997, VC58  
Site C6: Dungeon SSSI, Wirral (SJ251831), habitat leaf litter and rock fragments, collector Alan Bowden NML, date 10/08/2006, VC58  
Site C7: Ness Gardens, Wirral (SJ304754), different species of ivy searched, collector Anthony Nickson, date not known, VC58  
Site C8: Wybunbury Moss (SJ697502), habitat moss from raised mire, dates: 23/6/1994 to 8/9/1994, collector NML, VC58.

The following species were listed for this site prior to NML collecting:

Walker (1970):

*Achipteria* Berlese, 1885 sp.  
*Hoplophthiracarus illinosensis* (Ewing, 1909)  
*Hypochthonius rufulus* C.L. Koch, 1835  
*Limnozetes ciliatus* (Schrank, 1803)  
*Melanozetes mollicomus* (C. L. Koch, 1839)  
*Nanhermannia nana* (Nicolet, 1855)  
*Nothrus silvestris* Nicolet, 1855  
*Oppiella (Oppiella) falcata* (Paoli, 1908)  
*Pergalumna nervosa* (Berlese, 1914)  
*Pilogalumna tenuiclava* (Berlese, 1908)  
*Platynothrus peltifer* (C. L. Koch, 1839)  
*Tyrphonothrus foveolatus* (Willmann, 1931)  
*Trimalaconothrus glaber* (Michael, 1888)

Suborder **Oribatida** van der Hammen, 1968

Infraorder **Enarthronota** Grandjean, 1969

Superfamily Brachychthonioidea Thor, 1934

Family Brachychthoniidae Thor, 1934

Genus *Brachychthonius* Berlese, 1910

*Brachychthonius berlesei* Willmann, 1928 (C4, C8)

Genus *Liochthonius* van der Hammen, 1952

*Liochthonius alpestris* (Forsslund, 1958) (C1) (record not yet published for GB)

*Liochthonius brevis* (Michael, 1888) (C1, C4)

*Liochthonius evansi* (Forsslund, 1958) (C1)

*Liochthonius hystricinus* (Forsslund, 1942) (C1) (record not yet published for GB)

*Liochthonius neglectus* Moritz, 1976 (C1)

*Liochthonius perfusorius* Moritz, 1976 (C1) (see Monson (1998))

*Liochthonius sellnicki* (Thor, 1930) (C8)

Genus *Mixochthonius* Niedbala, 1972

*Mixochthonius pilosetosus* Forsslund, 1942 (C1) (see Monson (2011))

Genus *Neobrachychthonius* Moritz, 1976

*Neobrachychthonius marginatus* (Forsslund, 1942) (C1)

Genus *Neoliochthonius* Lee, 1982

*Neoliochthonius piluliferus* (Forsslund, 1942) (C1)

Genus *Sellnickochthonius* Krivolutsky, 1964

*Sellnickochthonius immaculatus* (Forsslund, 1942) (C1)

*Sellnickochthonius suecicus* (Forsslund, 1942) (C8)

*Sellnickochthonius zelawaiensis* (Sellnick, 1928) (C2)

Superfamily Hypochthonioidea Berlese, 1910

Family Eniochthoniidae Grandjean, 1947

Genus *Eniochthonius* Grandjean, 1933  
*Eniochthonius minutissimus* (Berlese, 1904) (C2, C8)  
Family Hypochthoniidae Berlese, 1910  
Genus *Hypochthonius* C. L. Koch, 1835  
*Hypochthonius rufulus* C. L. Koch, 1835 (C1, C2, C4, C5, C8)

Infraorder **Mixonomata** Grandjean, 1969

Superfamily Epilohmannioidea Oudemans, 1923  
Family Epilohmanniidae Oudemans, 1923  
Genus *Epilohmannia* Berlese, 1910  
*Epilohmannia cylindrica* (Berlese, 1904) (C3)  
Superfamily Euphthiracaroida Jacot, 1930  
Family Euphthiracaridae Jacot, 1930  
Genus *Microtrititia* Märkel and Meyer, 1959  
*Microtrititia minima* Berlese, 1904 (C1)  
Genus *Acrotrititia* Jacot, 1923  
*Acrotrititia ardua* (C. L. Koch, 1841) (C1, C4, C5) (as *Rhysotrititia ardua* in Luxton (1996))  
*Acrotrititia duplicata* (Grandjean, 1953) (C1, C2) (as *Rhysotrititia duplicata* in Luxton (1996))  
Superfamily Phthiracaroida Perty, 1841  
Family Phthiracaridae Perty, 1841  
Genus *Hoplophthiracarus* Jacot, 1933  
*Hoplophthiracarus illinoisensis* (Ewing, 1909) (C4, C8) (as *Hoplophthiracarus pavidus* in Luxton (1996))  
Genus *Phthiracarus* Perty, 1841  
*Phthiracarus affinis* (Hull, 1914) (C1, C4, C8)  
*Phthiracarus anonymus* (Grandjean, 1933) (C1, C8)  
*Phthiracarus ferrugineus* (C. L. Koch, 1841) (C8)  
Genus *Steganacarus* Ewing, 1917  
Subgenus *Steganacarus (Atropacarus)* Ewing, 1917  
*Steganacarus (Atropacarus) striculus* (C. L. Koch, 1835) (C1, C4, C5, C8)  
Subgenus *Steganacarus (Steganacarus)* Ewing, 1917  
*Steganacarus (Steganacarus) magnus* (Nicolet, 1855) (C1, C4, C5, C6, C7, C8)

Infraorder **Desmonomata** Woolley, 1973

Hyporder **Nothrina** van der Hammen, 1982

Superfamily Crotonioidea Thorell, 1876  
Family Crotoniidae Thorell, 1876  
Genus *Camasia* von Heyden, 1826  
*Camasia biurus* (C. L. Koch, 1839) (C1, C8)  
*Camasia spinifer* (C. L. Koch, 1835) (C1, C4, C8)  
Genus *Platynothrus* Berlese, 1913  
*Platynothrus peltifer* (C. L. Koch, 1839) (C1, C4, C5, C6, C8)  
Family Hermanniidae Sellnick, 1928  
Genus *Hermannia* Nicolet, 1855  
*Hermannia gibba* (C. L. Koch, 1839) (C1, C6)  
*Hermannia scabra* (L. Koch, 1879) (C6)  
Family Malaconothridae Berlese, 1916  
Genus *Malaconothrus* Berlese, 1904  
*Malaconothrus angulatus* (Willmann, 1931) (C4) (see Monson (2014))  
*Malaconothrus monodactylus* (Michael, 1888) (C1, C2, C4, C5, C8)  
*Malaconothrus vietsi* (Willmann, 1925) (C4) (as *Trimalaconothrus vietsi* in Monson (2011))  
Genus *Mucronothrus* Trägårdh, 1931  
*Mucronothrus nasalis* (Willmann, 1929) (C4, C8)  
Genus *Tyrphonothrus* Knülle, 1957  
*Tyrphonothrus foveolatus* (Willmann, 1931) (C8) (as *Trimalaconothrus foveolatus* in Luxton (1996))  
*Tyrphonothrus glaber* (Michael, 1888) (C8) (as *Trimalaconothrus glaber* in Luxton (1996))

*Tyrphonothrus maior* (Berlese, 1910) (C8) (as *Trimalaconothrus maior* in Luxton (1996))  
 Family Nanhermanniidae Sellnick, 1928  
 Genus *Nanhermannia* Berlese, 1913  
     *Nanhermannia coronata* Berlese, 1913 (C1, C4, C5, C8)  
     *Nanhermannia elegantula* Berlese, 1913 (C1)  
     *Nanhermannia nana* (Nicolet, 1855) (C1, C8)  
 Family Nothridae Berlese, 1896  
 Genus *Nothrus* C. L. Koch, 1835  
     *Nothrus anauniensis* Canestrini & Fanzago, 1876 (C1)  
     *Nothrus palustris* C. L. Koch, 1839 (C1, C4, C5, C8)  
     *Nothrus pratensis* Sellnick, 1928 (C4)  
     *Nothrus silvestris* Nicolet, 1855 (C8)

Hyporder **Brachypylina** Hull, 1918

Superfamily Hermannielloidea Grandjean, 1934  
 Family Hermanniellidae Grandjean, 1934  
 Genus *Hermanniella* Berlese, 1908  
     *Hermanniella granulata* (Nicolet, 1855) (C1, C4, C5, C8)  
 Superfamily Neoliodoidea Sellnick, 1928  
 Family Neoliodidae Sellnick, 1928  
 Genus *Neoliodes* Berlese, 1888  
     *Neoliodes theleproctus* (Hermann, 1804) (C7)  
 Superfamily Damaeioidea Berlese, 1896  
 Family Damaeidae Berlese, 1896  
 Genus *Damaeobelba* Sellnick, 1928  
     *Damaeobelba minutissima* (Sellnick, 1920) (C1, C2)  
 Subgenus *Damaeus* C. L. Koch, 1835  
     *Damaeus (Adamaeus) onustus* (C. L. Koch, 1841) (C4, C6, C7, C8)  
     *Damaeus (Damaeus) auritus* C. L. Koch, 1835 (C6, C7)  
     *Damaeus (Paradamaeus) clavipes* (Hermann, 1804) (C1, C8)  
 Genus *Metabelba* Grandjean, 1936  
     *Metabelba papillipes* (Nicolet, 1855) (C6, C8)  
 Genus *Porobelba* Grandjean, 1936  
     *Porobelba spinosa* (Sellnick, 1920) (C1, C2)  
 Superfamily Cepheoidea Berlese, 1896  
 Family Cepheidae Berlese, 1896  
 Genus *Cepheus* C. L. Koch, 1835  
     *Cepheus cepheiformis* (Nicolet, 1855) (C1, C4, C8)  
     *Cepheus dentatus* (Michael, 1888) (C1)  
     *Cepheus latus* C. L. Koch, 1835 (C1, C6)  
 Superfamily Ameroidea Bulanova-Zachvatkina, 1957  
 Family Caleremaeidae Grandjean, 1965  
 Genus *Caleremaeus* Berlese, 1910  
     *Caleremaeus monilipes* (Michael, 1882) (C1)  
 Superfamily Zetorchestoidea Michael, 1898  
 Family Eremaeidae Oudemans, 1900  
 Genus *Eueremaeus* Mihelčič, 1963  
     *Eueremaeus oblongus* (C. L. Koch, 1836) (C1) (as *Eremaeus oblongus* in Luxton (1996))  
 Superfamily Gustavioidea Oudemans, 1900  
 Family Astegistidae Balogh, 1961  
     *Cultroribula juncta* (Michael, 1885) (C1, C4)  
 Family Liacaridae Sellnick, 1928  
 Genus *Adoristes* Hull, 1916  
     *Adoristes ovatus* (C. L. Koch, 1839) (C1, C2, C4, C6, C8)  
 Genus *Xenillus* Robineau-Desvoidy, 1839  
     *Xenillus tegeocranus* (Hermann, 1804) (C1, C2, C4, C6)  
 Family Peloppiidae Balogh, 1943  
 Genus *Ceratoppia* Berlese, 1908  
     *Ceratoppia bipilis* (Hermann, 1804) (C1, C4, C5, C6, C8)

Superfamily Carabodoidea C. L. Koch, 1837  
Family Carabodidae C. L. Koch, 1837  
Genus *Carabodes* C. L. Koch, 1835  
*Carabodes femoralis* (Nicolet, 1855) (C1)  
*Carabodes labyrinthicus* (Michael, 1879) (C1, C2, C4, C8)  
*Carabodes marginatus* (Michael, 1884) (C1)  
*Carabodes minusculus* Berlese, 1923 (C1)  
*Carabodes rugosior* Berlese, 1916 (C1, C2) (see Monson (2009))  
*Carabodes scaber* Monson, 2009 (C1) (see Monson (2009))  
*Carabodes willmanni* Bernini, 1975 (C1, C8)  
Genus *Odontocepheus* Berlese, 1913  
*Odontocepheus elongatus* (Michael, 1879) (C1, C2)  
Superfamily Oppioidea Grandjean, 1951  
Family Autognetidae Grandjean, 1960  
Genus *Autogneta* Hull, 1916  
*Autogneta longilamellata* (Michael, 1885) (C1)  
*Autogneta parva* Forsslund, 1947 (C1)  
Family Oppiidae Grandjean, 1951  
Genus *Berniniella* J. Balogh, 1983  
*Berniniella sigma* (Strenzke, 1951) (C1)  
Genus *Dissorhina* Hull, 1916  
*Dissorhina ornata* (Oudemans, 1900) (C1, C4, C5, C6, C8)  
Genus *Oppiella* Jacot, 1937  
Subgenus *Oppiella* (*Moritzoppia*) Subías & Rodríguez, 1988  
*Oppiella* (*Moritzoppia*) *keilbachi* (Moritz, 1969) (C8)  
*Oppiella* (*Moritzoppia*) *neerlandica* (Oudemans, 1900) (C1, C4, C5, C8)  
*Oppiella* (*Moritzoppia*) *translamellata* (Willmann, 1923) (C8)  
*Oppiella* (*Moritzoppia*) *unicarinata* (Paoli, 1908) (C1)  
Subgenus *Oppiella* (*Oppiella*) Jacot, 1937  
*Oppiella* (*Oppiella*) *falcata* (Paoli, 1908) (C8)  
*Oppiella* (*Oppiella*) *maritima* (Willmann, 1929) (C1, C8)  
*Oppiella* (*Oppiella*) *nova* (Oudemans, 1902) (C1)  
*Oppiella* (*Oppiella*) *propinqua* Mahunka and Mahunka-Papp, 2000 (C1, C4, C5, C8) (see Monson (2014))  
Subgenus *Oppiella* (*Rhinoppia*) Balogh, 1983  
*Oppiella* (*Rhinoppia*) *obsoleta* (Paoli, 1908) (C1, C6) (as *Medioppia obsoleta* in Luxton (1996))  
*Oppiella* (*Rhinoppia*) *subpectinata* (Oudemans, 1900) (C1, C4, C5, C8) (as *Medioppia subpectinata* in Luxton (1996))  
Genus *Ramusella* Hammer, 1962  
*Ramusella fasciata* (Paoli, 1908) (C4) (see Monson (2014))  
Genus *Serratoppia* Subías and Mínguez, 1985  
*Serratoppia serrata* (Mihelčič, 1956) (C1)  
Family Quadroppiidae Balogh, 1983  
Genus *Coronoquadroppia* Ohkubo, 1995  
*Coronoquadroppia galaica* Mínguez, Ruis and Subías, 1985 (C1) (see Monson (1998))  
*Coronoquadroppia monstrosa* (Hammer, 1979) (C3) (record not yet published for GB) – **Figure 3**  
*Coronoquadroppia pseudocircumita* Mínguez, Ruis and Subías, 1985 (C1, C6) (see Monson (1998))  
Genus *Quadroppia* Jacot, 1939  
*Quadroppia maritalis* (Lions, 1982) (C1, C5, C6)  
*Quadroppia quadricarinata* (Michael, 1885) (C1)  
Family Thyrisomidae Grandjean, 1953  
Genus *Banksinoma* Oudemans, 1930  
*Banksinoma lanceolata* (Michael, 1885) (C1, C4, C5, C8)  
Genus *Pantelozetes* Grandjean, 1953  
*Pantelozetes paolii* (Oudemans, 1913) (C8)  
Superfamily Trizetoidea Ewing, 1917  
Family Suctobelbidae Jacot, 1938

Genus *Suctobelba* Jacot, 1937  
*Suctobelba regia* Moritz, 1970 (C1) (record not yet published for GB)  
*Suctobelba trigona* (Michael, 1888) (C1)

Genus *Suctobelbata* Gordeeva, 1991  
*Suctobelbata ypsilon* (Mahunka and Mahunka-Papp, 1999) (C1) (record not yet published for GB)

Genus *Suctobelbella* Jacot, 1937  
*Suctobelbella acutidens* (Forsslund, 1941) (C1, C4, C5)  
*Suctobelbella acutidens lobata* (Strenzke, 1950) (C8) (as *Suctobelbella lobata* in Luxton (1996))  
*Suctobelbella arcana* Moritz, 1970 (C1) (see Monson (2014))  
*Suctobelbella falcata* (Forsslund, 1941) (C1, C4, C5)  
*Suctobelbella hamata* Moritz, 1970 (C1) (see Monson (2014))  
*Suctobelbella moritzi* Mahunka, 1987 (C1) (record not yet published for GB)  
*Suctobelbella nasalis* (Forsslund, 1941) (C1, C6)  
*Suctobelbella perforata* (Strenzke, 1950) (C1) (see Monson (2014))  
*Suctobelbella sarekensis* (Forsslund, 1941) (C1)  
*Suctobelbella similis* (Forsslund, 1941) (C1, C4, C5, C8)  
*Suctobelbella subcornigera* (Forsslund, 1941) (C1, C4, C5, C8)  
*Suctobelbella subtrigona* (Oudemans, 1900) (C1)  
*Suctobelbella tuberculata* (Strenzke, 1950) (C1) (record not yet published for GB)  
*Suctobelbella vera* Moritz, 1969 (C8)

Superfamily Tectocepheoidea Grandjean, 1954  
Family Tectocepheidae Grandjean, 1954  
Genus *Tectocepheus* Berlese, 1896  
*Tectocepheus velatus* (Michael, 1880) (C1, C4, C5, C8)

Superfamily Limnozetoidea Thor, 1937  
Family Hydrozetidae Grandjean, 1954  
Genus *Hydrozetes* Berlese, 1902  
*Hydrozetes lacustris* (Michael, 1882) (C4)

Family Limnozetidae Thor, 1937  
Genus *Limnozetes* Hull, 1916  
*Limnozetes ciliatus* (Schrank, 1803) (C4, C5, C8)  
*Limnozetes rugosus* (Sellnick, 1923) (C1, C8)

Superfamily Ameronothroidea Willmann, 1931  
Family Ameronothridae Willmann, 1931  
Genus *Ameronothrus* Berlese, 1896  
*Ameronothrus maculatus* (Michael, 1882) (C1)  
*Ameronothrus marinus* (Banks, 1896) (C2) (usually a maritime species) (as *Hygoribates marinus* in Luxton (1996))  
*Ameronothrus schneideri* (Oudemans, 1903) (C6) (as *Hygoribates schneideri* in Luxton (1996))

Superfamily Cymbaeremaeoidea Sellnick, 1928  
Family Cymbaeremaeidae Sellnick, 1928  
Genus *Cymbaeremaeus* Berlese, 1896  
*Cymbaeremaeus cymba* (Nicolet, 1855) (C3)

Superfamily Licheremaeoidea Grandjean, 1954  
Family Micreremidae Grandjean, 1954  
Genus *Micreremus* Berlese, 1908  
*Micreremus brevipes* (Michael, 1888) (C1, C2)

Superfamily Phenopelopoidea Petrunkevitch, 1955  
Family Phenopelopidae Petrunkevitch, 1955  
Genus *Eupelops* Ewing, 1917  
*Eupelops acromios* (Hermann, 1804) (C6)  
*Eupelops farinosus* (Nicolet, 1855) (C1)  
*Eupelops plicatus* (C. L. Koch, 1835) (C1, C6)  
*Eupelops tardus* (C. L. Koch, 1835) (C1)  
*Eupelops torulosus* (C. L. Koch, 1835) (C1, C4, C8)

Genus *Peloptulus* Berlese, 1908  
*Peloptulus montanus* Hull, 1914 (C1, C4)





*Minunthozetes semirufus* (C. L. Koch, 1841) (C1, C2, C4, C5, C8)  
 Genus *Punctoribates* Berlese, 1908  
*Punctoribates punctum* (C. L. Koch, 1839) (C1, C2, C6, C8)  
*Punctoribates sellnicki* Willmann, 1928 (C4, C8) (see Monson (2000))  
 Superfamily Galumnoidea Jacot, 1925  
 Family Galumnidae Jacot, 1925  
 Genus *Pergalumna* Grandjean, 1936  
*Pergalumna altera* (Oudemans, 1915) (C8)  
*Pergalumna nervosa* (Berlese, 1914) (C4, C8)  
 Genus *Pilogalumna* Grandjean, 1956  
*Pilogalumna tenuiclava* (Berlese, 1908) (C4, C5, C8)

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