IRISH SPIDERS (ARACHNIDA: ARANEAE) COLLECTED DURING A FIVE-YEAR, ISLAND-WIDE STUDY INCLUDING 696 NEW COUNTY RECORDS

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Summary

This paper presents new county records from one of the largest studies of Irish spiders to date. Habitats surveyed included peatlands, grasslands and plantation forests of various ages and tree species. Pitfall traps were used to sample spiders and specimens were also identified from Malaise traps and a DVac Suction sampler in a subset of sites. Over half of the known Irish spider species were sampled (219 species) and 696 new county records are presented. Many of the species with new county records were associated with forested habitats indicating the lack of previous research in this habitat type. It is recommended that spider sampling should continue in a variety of habitat types across a wide geographical range if a full Irish species distribution is to be realised.

Introduction

The study of Irish spiders has largely been limited to small-scale surveys that have focused on the records of individual species (for instance see Mackie, 1963; Finlay, 1966; Wanless, 1965). In more recent years, several authors have made significant additions to the Irish species' list and contributed much needed information on spider ecology and species' distributions. Particular consideration has been given to the spider fauna of Irish bogs and fens (e.g. Higgins, 1985; Helsdingen, 1997, 1998; Nolan, 2002a) which probably reflects the relative importance of this habitat in a national and international context. The publication of van Helsdingen's (1996a) *County distribution of Irish spiders* was the first attempt to collate all known Irish records and to create systematic species lists for each county. Such 'baseline' information is vital if we are to gain a true understanding of the distribution and ecology of Irish spiders.

Large-scale biodiversity studies are necessary in order to help determine the broader ecological associations of a species. Such studies will help establish the Irish spider fauna in an international context and ensure that this important terrestrial group is not overlooked in management and conservation schemes. Although 'open' habitats such as bogs and fens, and grasslands and heathlands have received some attention (see above and also Gibson, 1984 and McFerran *et al*., 1994), relatively little research has focused on Irish forested habitats which represent approximately 10% of the country's land cover (Forest Service, 2004). Plantations constitute over 93% of this forest cover (Teagasc: Irish Agriculture and Food Development Authority, 2005) compared to ~1% accounted for by native woodlands (Department of Agriculture and Food, 2003). The species distributions presented in this paper represent the largest single study of Irish spiders to have been carried out from a range of habitats which included peatlands, grasslands and also plantation forest of various ages and tree species. The data was collected as part of the BIOFOREST project (http//www.ucc.ie/bioforest/) which aimed to examine the affect of afforestation on Irish flora and fauna using various taxonomic groups (ground-dwelling plants, canopy epiphytes, birds, spiders and hoverflies) as indicators of biodiversity (for project reports see Smith *et al*., 2005, 2006; Iremonger *et al*., 2006a, b).

Survey design

In total, 102 sites in 21 counties were surveyed over five years (for site details see Appendix 1) and were comprised of three distinct sub-projects:-

1. The survey of sites typically used during afforestation (sub-project 3.1.1) encompassed three major Irish habitat types (peatlands, wet grasslands and improved grasslands). A paired-site approach was used where 25 sites across the three habitat types were sampled with adjacent 'paired' stands of five-year old Sitka spruce (*Picea sitchensis*) matched for soil type, altitude, and pre-planting habitat type. Sample plots within these sites were located in areas that may be of specific biodiversity value, such as wet flushes, riparian areas and hedgerows as well as areas representative of the site as a whole.

2. The survey of plantation forests at various stages of the forest cycle (sub-project 3.1.2) examined 32 sites in Sitka spruce plantations in the following age groups: 5 years (pre-canopy closure), 8-15 years (canopy closure); 20-30 years (time of the first thinning) and 35-50 years (commercial maturity). Ash (*Fraxinus excelsior*) was surveyed in three age groups: 5 years, 8-15 years and 50+ years, and non-intimately mixed sites of Sitka spruce and ash in the following age groups: 5 years, 8-15 years and 35-50 years. Sampling areas within these sites were located in areas of homogenous vegetation typical of the site as a whole.
3. The survey of open space within mature Sitka spruce plantations (sub-project 3.1.3) sampled 12 sites that contained various types of open space (forestry road edges, rides and glades). In addition to these sites, eight 'experimental road width' sites were surveyed. These comprised recently felled stands which had been re-planted with Sitka spruce. Within each site, a 100m section of forest road was established with a 'wide buffer zone' of 30m width, adjacent to this a 100m section was also established with a 'standard' buffer of 15m. These buffer zones were defined as the distance from the first tree row (base of tree) spanning the forest road, thus giving differing areas of unplanted ground at the forest road edge. With the exception of the experimental road-width sites all of the stands surveyed were first rotation.

Methods

Field surveys were carried out during the summers of 2001-2005. Spiders were sampled primarily using pitfall traps, however in a subset of sites spiders were also identified from Malaise traps and a DVac vortex suction sampler situated in areas adjacent to pitfall traps. Pitfall traps consisted of plastic cups (7cm diameter by 9cm depth) filled to 1cm depth with ethylene glycol and with two drainage slits cut 1cm from the rim of the cup. A bulb corer was used to make a hole in the ground for the plastic cup, which was placed so that the rim of the cup was flush with the ground's surface. The suction sampler was used for five minutes in a 2x2m area. All sampling took place between 10th May and 18th August with pitfall and Malaise traps changed once every three weeks. Various environmental and habitat variables were recorded at each sampling plot (i.e. cover abundance of vegetation layers, litter cover and depth, deadwood cover and soil organic

content).

Pitfall traps were located in sampling plots (between 5-6 plots per site) that were separated by a minimum of 50m and were a minimum of 50m from the edge of the site. In each plot, the traps were arranged in a 4x4m grid with one trap set at each corner and one in the centre, though which linear features were sampled (i.e. riparian areas, hedgerows). The traps were arranged in a line, each one separated by 2m. For surveys of open space within mature plantations (sub-project 3.1.3), traps were set in three transects which were arranged from the centre of the open space into the forest, and each transect being separated by 2m.

Pitfall samples were stored in 70% alcohol and the spiders were sorted from the catch. Identification of spiders to species level was carried out using a 50x magnification microscope and nomenclature follows Roberts (1993). Juveniles were not identified due to the difficulty involved in assigning them to species and published records were used to establish new county records (Helsdingen, 1996a, b, 1998; McFerran, 1997; Smith and Costello, 1998; Snazell and Jonsson, 1999; Merrett, 2000; Nolan, 2000a, b, 2002a, b, 2004; Cawley, 2001, 2004, 2007; Johnston and Cameron, 2002; Fahy and Gormally, 2003; Nelson, 2005; McCormack, 2006; Oxbrough, 2007). Reference specimens are held in the museum collection at University College Cork and can be obtained from the author. All specimens were identified by the author and confirmations of difficult specimens were made by Bob Johnston and Peter Merrett. The author is currently involved in analysing the habitat associations of the species surveyed in this project and these data will be presented in a separate paper.

Results

Over half of the known Irish spider fauna was found during the study with one new Irish species and several rare species (reported in Oxbrough, 2007 and the present study). In total 65,063 mature adults were identified representing 219 species from 17 families. Of these species, 79% had new county records (NCRs) identified, a full list of which is given in Appendix 2.

Distribution of new county records

Overall, by far the most NCRs were identified in Counties Laois and Limerick (Table 1), whereas County Fermanagh had the lowest number of NCRs. Across the counties there was a disproportionate number of sites surveyed and examination of the mean NCRs per site within each county reveals that despite 10 or more sites being surveyed in Counties Cork, Laois, Tipperary and Wicklow, there are relatively few NCRs per site. By contrast, in Counties Dublin, Kildare and Leitrim where only 1 or 2 sites where surveyed, there were over 20 NCRs identified per site.

TABLE 1. The frequency of new county records (NCRs) identified within each county.

County (code)	Total NCRs per county	Total sites surveyed per county	Mean NCRs per site
Limerick (LIM)	85	8	10.6
Laois (LAO)	57	11	5.2
Waterford (WAT)	49	4	12.3
Wicklow (WIC)	46	10	4.6
Kilkenny (KLK)	45	5	9.0
Tipperary (TIP)	45	11	4.1
Leitrim (LEI)	41	2	20.5
Kerry (KER)	41	9	4.6
Cork (COR)	37	13	2.8
Donegal (DON)	33	4	8.3
Mayo (MAY)	33	2	16.5
Galway (GAL)	32	5	6.4
Dublin (DUB)	24	1	24.0
Clare (CLA)	23	6	3.8
Kildare (KLD)	21	1	21.0
Westmeath (WES)	19	1	19.0
Offaly (OFF)	17	2	8.5
Sligo (SLI)	16	1	16.0
Carlow (CAR)	14	1	14.0
Wexford (WEX)	13	2	6.5
Fermanagh (FER)	8	2	4.0

The species with multiple new county records are shown in Table 2 and comprise 30% of all NCRs. The most new county records were identified for the following species: *Lepthyphantes tenebricola, Micrargus herbigradus, Pocadicnemis juncea* and *Agyneta*

ramosa. The majority of these species' NCRs were from plantation forest habitats, however several species were found in a relatively high number of wet grassland sites within each county such as *Trochosa spinipalpis* and *P. juncea*.

TABLE 2. Species with the most NCRs.

Species	NCRs
Lepthyphantes tenebricola	16
Pocadicnemis juncea	16
Micrargus herbigradus	15
Agyneta ramosa	14
Dicymbium tibiale	13
Walckenaeria vigilax	12
Lepthyphantes alacris	11
Asthenargus paganus	11
Ceratinella scabrosa	11
Maro minutus	11
Trochosa spinipalpis	11
Taranucnus setosus	10
Bathyphantes parvulus	10
Diplocephalus latifrons	10
Pirata ulignosus	10
Saaristoa abnormis	10
Saaristoa firma	10
Agyneta decora	9

Discussion

Overall, it should be expected that more new county records will be identified in counties where a greater number of sites were surveyed. However as Table 1 shows, this was not always the case. The high number of new county records presented is likely to be a factor of both the large-scale nature of the study (102 sites across 21 counties) and the range of habitats sampled, as well as the pattern in the recording of historical and recent records.

Several rare species were collected during the study (see Oxbrough, 2007), however it is likely that many of the new county records presented here are due to a lack of past recording rather than actual species' rarity. For example, *A. ramosa* has only recently been added to the Irish list (Fahy and Gormally, 2003); whereas *L. tenebricola* has only been

found in three Irish counties prior to this study, however both are known to be widespread across Britain (Harvey *et al*., 2002). It is likely that these species' preference for forested habitats explains the few records to date. Indeed, several other species with a high number of new county records are associated with forested habitats such as *A. paganus* and *C. scabrosa* (Harvey *et al*., 2002). In Britain, both species have rather local and rare distributions (Harvey *et al*., 2002) highlighting the need for further exploration in Irish forested habitats. The geographical distribution of the new county records may reflect the distribution of Irish plantation forests of which there are many in Counties Laois, Limerick, Tipperary and Wicklow and towards which our sampling was directed. However this can also be attributed to a 'sampler bias' effect related to where arachnologists live or particular habitats which are interest to them. In County Dublin, where one might expect the spider fauna to be relatively well known there were 24 new county records identified from just one mature plantation site. However this probably represents the lack of sampling carried out in forested habitats in this county.

Difficulty with species identification and changes in taxonomic classification may also give a 'false' impression of species rarity. For example, *Pocadicnemis juncea*, with 16 new county records in the present study, was only relatively recently described as a separate species from *P. pumila* (Millidge, 1975) and difficulty can be encountered when distinguishing female specimens which may further distort records.

Although recent studies have greatly improved our knowledge of Irish spiders, it is still vital to continue collecting baseline distribution information. In addition, sampling spiders in a variety of habitat types using a wide range of sampling techniques will further enhance our knowledge of their ecology.

Acknowledgements

I would like to thank my colleagues on the Bioforest project for help with survey design, fieldwork and manuscript preparation. I would also like to thank Peter Merrett and Robert Johnston for their help with identifying difficult specimens.

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APPENDIX 1. Study site locations and corresponding habitat types; the sampling method used is also given: P = pitfalls; S = Vortex suction sampler; M = Malaise trap. Further site details including soil and vegetation information can be obtained from the aforementioned project reports. 'Planted' refers to a 5 year old Sitka spruce plantation established on a particular habitat type; OS = Open space; SS = Sitka spruce

Site code	Site name	Grid Ref	County	Habitat	Sampling method
Sub-project 3.1.1					
Agho	Aghoney	S547875	Laois	Improved grassland	P
Balb	Ballybeagh	S349560	Kilkenny	Planted improved grassland	P, S, M
Balp	Ballynanoose	R820686	Tipperary	Planted improved grassland	P
Balu	Ballynanoose	R823684	Tipperary	Improved grassland	P
Bght	Ballybought	N314325	Offaly	Improved grassland	P
Bool	Boolavaun	R227820	Clare	Wet grassland	P
Carp	Carnamoyle	C430294	Donegal	Planted peatland	P
Caru	Carnamoyle	C434291	Donegal	Peatland	P
Cast	Castletown	S279752	Kilkenny	Improved grassland	P
Clar	Clarbarracum	S508862	Laois	Wet grassland	P
Clop	Cloonoughter	R146464	Limerick	Planted wet grassland	P
Clou	Cloonoughter	R148466	Limerick	Wet grassland	P
Cooa	Coolross	R722649	Tipperary	Planted wet grassland	P, S, M
Coog	Coolsnaghtig	W210559	Cork	Wet grassland	P
Curr	Curraghnaboul	R723482	Limerick	Wet grassland	P
Dong	Donaghmore	S266798	Laois	Wet grassland	P
Doon	Doon	R978063	Tipperary	Improved grassland	P
Flem	Flemingstown	R183064	Tipperary	Improved grassland	P
Garv	Garvoghil	R230820	Clare	Wet grassland	P
Gary	Garyandrew	S108354	Tipperary	Improved grassland	P

Geap	Gearha	V784729	Kerry	Planted wet grassland	P
Geau	Gearha	V781725	Kerry	Peatland	P
Glas	Garryglas	S508868	Laois	Planted wet grassland	P
Glen	Glenfield North	R441147	Cork	Planted wet grassland	P
Gore	Gortnaree	H187721	Fermanagh	Planted wet grassland	P, S, M
Hanp	Ballycahan	N310325	Westmeath	Planted improved grassland	P
Incp	Inchamore	R572993	Galway	Planted wet grassland	P, S, M
Incu	Inchamore	R577997	Galway	Peatland	P, S, M
Kilb	Kilbraugh	S295551	Tipperary	Improved grassland	P, S, M
Kill	Kilcullen	S623410	Kilkenny	Improved grassland	P
Knaw	Knawhill	R440148	Cork	Wet grassland	P
Lead	Knocklead	S548861	Laois	Planted improved grassland	P
Mntp	Mountphillips	R721648	Tipperary	Wet grassland	P
Moaf	Moanfune	W987925	Waterford	Improved grassland	P, S, M
Moig	Moigh	R720484	Limerick	Wet grassland	P
Mull	Mullanmeen Under	H162712	Fermanagh	Wet grassland	P, S, M
Muny	Mungmacody	S625415	Kilkenny	Planted improved grassland	P
Ratr	Rathreagh	S281725	Kilkenny	Planted improved grassland	P
Raup	Curraun	H102005	Leitrim	Planted wet grassland	P
Rauu	Curraun	H102004	Leitrim	Wet grassland	P
Slip	Slievecorragh	N969045	Wicklow	Planted peatland	P, S, M
Sliu	Slievecorragh	N972046	Wicklow	Peatland	P, S, M
Tiep	Tieveclougher	H124884	Donegal	Planted wet grassland	P
Tieu	Tieveclougher	H124883	Donegal	Peatland	P
Togp	Toreenagowan	R821146	Kerry	Planted wet grassland	P, S, M
Togu	Toreenagowan	R840152	Kerry	Peatland	P, S, M
Toop	Toreenmore	V523766	Kerry	Planted wet grassland	P, S, M
Toou	Toreenmore	V519766	Kerry	Peatland	P

Veep	Ballyveeny	F835050	Mayo	Planted peatland	P
Veeu	Ballyveeny	F833050	Mayo	Peatland	P
Sub-project 3.1.2					
Bale	Ballyea	R197835	Clare	Prethicket SS plantation	P
Baly	Ballygiblin	R461027	Cork	Mature ash plantation	P
Barn	Barnadown	T139542	Wexford	Mature ash plantation	P
Boky	Buffanoky	R811564	Limerick	Mid-rotation SS plantation	P
Clyd	Clydaghroe	W182318	Kerry	Thicket SS plantation	P
Comm	Commeanaline	W900538	Tipperary	Thicket SS plantation	P
Cooa	Coolross	R720651	Tipperary	Prethicket SS plantation	P
Cool	Cooltmurraghy	M774276	Galway	Thicket ash plantation	P
Coon	Cooneen Hill	R916687	Tipperary	Mature SS plantation	P
Corb	Corbettstown	N539394	Offaly	Thicket ash plantation	P
Corr	Corracloon	R584913	Clare	Mid-rotation SS plantation	P
Cumm	Cummeenavrick	W142816	Kerry	Thicket SS plantation	P
Deme	Demesne	N831322	Kildare	Mature ash plantation	P
Derr	Derrybrien	R625010	Galway	Mature SS plantation	P
Doog	Dooglaun	R536916	Clare	Thicket SS plantation	P
Fury	Fuhiry	W144734	Cork	Mature SS plantation	P
Gfin	Garrafin	S291959	Laois	Thicket SS plantation	P
Glyn	Glynn's Hill	R551995	Clare	Thicket SS plantation	P
Kduff	Kilduffahoo	R788555	Limerick	Thicket SS plantation	P
Kila	Kilalongford	S967743	Carlow	Mature SS plantation	P
Kilm	Kilmacow	W979926	Cork	Prethicket SS plantation	P, S, M

Lurg	Lurgan Great	M761227	Galway	Prethicket SS plantation	P
Mary	Marymount	S260938	Laois	Thicket SS plantation	P
Msop	Monasop	S278995	Laois	Mature SS plantation	P
Mvan	Moanvaun	R891554	Tipperary	Thicket ash plantation	P
Rath	Rathcarrick	G636349	Sligo	Mature SS plantation	P
Reen	Reenavanna	R849544	Limerick	Thicket ash plantation	P
Rinc	Rincrew	X081818	Waterford	Mature ash plantation	P
Sagg	Derrynasaggart	W144800	Cork	Mid-rotation SS plantation	P
Sinb	Sinotts Bog	T061663	Wexford	Mature SS plantation	P
Suns	Sunderlands	T250809	Wicklow	Mature SS plantation	P
Trum	Trumra	292958	Laois	Mid-rotation SS plantation	P
Sub-project 3.1.3					
Athn	Athdown	O079158	Wicklow	OS transect in mature SS plantation	P
Bawn	Bawnogue	O016032	Wicklow	Forest road edge in clearfelled plantation	P
Bmut	Ballysmuttan	O045145	Wicklow	OS transect in mature SS plantation	P
Card	Cardtown	S277994	Laois	Forest road edge in clearfelled plantation	P
Carr	Carrigagulla	W375836	Cork	OS transect in mature SS plantation	P
Clea	Cleanglass	R234216	Limerick	OS transect in mature SS plantation	P
Cloo	Clootycarthy	W208707	Cork	Forest road edge in clearfelled plantation	P

Cura	Ballycurragh	T052822	Wicklow	OS transect in mature SS plantation	P
Foss	Fossyhill	S549891	Laois	Forest road edge in clearfelled plantation	P
Gate	Ballingate	S976605	Wicklow	Forest road edge in clearfelled plantation	P
Glan	Glannaharee	W454883	Cork	OS transect in mature SS plantation	P
Gull	Carrigagulla	W371837	Cork	Forest road edge in clearfelled plantation	P
Knoc	Knocknagoum	Q958215	Kerry	OS transect in mature SS plantation	P
Lugg	Lugg	O032246	Dublin	OS transect in mature SS plantation	P
Meen	Meentinny	R251135	Cork	OS transect in mature SS plantation	P
More	Lismore	S027063	Waterford	Forest road edge in clearfelled plantation	P
Muck	Mucklagh One	T085864	Wicklow	OS transect in mature SS plantation	P
Rean	Reanahoun	R256200	Cork	OS transect in mature SS plantation	P
Stoe	Ballinastoe	O180084	Wicklow	OS transect in mature SS plantation	P
Toor	Tooranahareen	S128061	Waterford	Forest road edge in clearfelled plantation	P

APPENDIX 2. New county records (NCR) of the species surveyed. Parentheses indicate the site code and number of individuals sampled; Site codes followed by either 'S' or 'M' denotes a specimen trapped with either a Vortex suction sampler (S) or Malaise trap (M).

Species	No. NCR	New County Records
Family Segestriidae		
Segestria senoculata (Linnaeus)	2	LIM (Curr=3, Moig=1); OFF (Bght=3)
Family Gnaphosidae		
Drassodes cupreus (Blackwall)	1	WAT (More=1)
Drassodes lapidosus (Walckenaer)	1	KLK (Cast=1)
Haplodrassus signifer (C.L. Koch)	2	COR (Cloo=1, Gull=2, Meen=1, Rean=2)
Micaria pulicaria(Sundevall)	1	LAO (Card=1)
Family Clubionidae		
Agroeca proxima (O.P.-Cambridge)	3	COR (Meen=5); KER (Clyd=1); MAY (Veep=1)
Clubiona brevipes (Blackwall)	1	TIP (KilbM)
Clubiona comta (C.L. Koch)	4	COR (KilmM=1); LEI (Raup=1); LIM (Clop=1, Clou=2, Curr=1); OFF (Bght=1)
Clubiona diversa (O.P.-Cambridge)	2	TIP (MntpM=2, Mvan=1); WIC (SlipM=1, Sliu=2, SliuM=1)
Clubiona lutescens (Westring)	2	KLK (Ratr=1); TIP (CooaM=12, MntpM=19)
Clubiona trivialis (C.L. Koch)	5	CLA (Bale=1); KER (Geap=1, ToguM=3, ToopM=2, Toou=11); LIM (Clea=1); MAY (Veeu=1); TIP (CooaM=1)
Family Zoridae		
Zora spinimana (Sundevall)	2	LAO (Foss=1); WAT (More=24)

Family Thomisidae		
Ozyptila trux (Blackwall)	2	KLK (Cast=11, Kill=4, Muny=6); LIM (Clea=6, Clop=1, Clou=3, Curr=4, Moig=7, Reen=4)
Philodromus cespitum (Walckenaer)	1	TIP (CooaM=1, KilbM=1, MntpM=33)
Tibellus maritimus (Menge)	3	COR (Cloo=1); LAO (Foss=1); WAT (More=1)
Tibellus oblongus (Walckenaer)	1	MAY (Veeu=1)
Xysticus cristatus (Clerck)	1	KLK (Cast=3, Kill=1)
Xysticus erraticus (Blackwall)	1	DON (Tieu=1)
Xysticus ulmi (Hahn)	1	KER (Geap=1)
Family Salticidae		
Neon reticulatus (Blackwall)	1	COR (Carr=1)
Family Lycosidae		
Alopecosa pulverulenta (Clerck)	4	KLK (Cast=2, Kill=1, Muny=1, Ratr=1); LAO (Agho=1, Card=11, Foss=7); LEI (Raup=2, Rauu=2); WES (Hanp=1)
Arctosa perita (Latrielle)	1	LAO (Foss=1)
Pardosa agrestis (Westring)	1	TIP (Kilb=1, Mntp=1)
Pardosa agricola (Thorell)	1	TIP (Mntp=1)
Pardosa amentata (Clerck)	1	KLK (Cast=54, Kill=45, Muny=31, Ratr=72)
Pardosa nigriceps (Thorell)	3	LAO (Clar=3, Glas=1, Lead=5); LIM (Clea=5, Clop=10, Clou=2, Reen=3); WES (Hanp=1)
Pardosa palustris (Linnaeus)	4	KLK (Cast=14, Kill=20); LAO (Card=2, Clar=17, Foss=11, Msop=1); LIM (Clop=1, Clou=83, Curr=17, Moig=35); WAT (Moaf=9, More=2, Toor=3)
Pirata hygrophilus (Thorell)	2	MAY (Veeu=1); WAT (Toor=1)
Pirata latitans (Blackwall)	4	CLA (Doog=6); GAL (Incp=1); LAO (Card=9, Mary=1); LIM (Moig=2)

Pirata uliginosus (Thorell)	9	COR (Carr=24, Cloo=2, Fury=1, Glan=1, Kilm=3, Meen=1, Rean=15); DON (Tiep=6); GAL (Incp=7) KER (Geap=79, Geau=44, Knoc=4, Togp=8, Togu=5, Toou=5); LAO (Card=18); LIM (Clea=7, Clou=1); MAY (Veep=31, Veeu=20); WAT (More=7); WES (Hanp=1); WIC (Bmut=1, Slip=11)
Trochosa spinipalpis (O.P.-Cambridge)	11	CLA (Bool=32, Garv=3); COR (Glen=8, Knaw=7); DUB (Lugg=1); GAL (Incu=3); KER (Geap=1, Geau=3); KLK (Muny=2); LAO (Clar=1, Glas=1); LEI (Raup=17, Rauu=34); TIP (Balp=1, Cooa=1, Doon=1, Mntp=1); WAT (More=1); WIC (Gate=2)
Trochosa terricola (Thorell)	2	LAO (Agho=1, Clar=5, Dong=1, Foss=6, Gfin=1, Glas=1, Lead=1); LEI (Raup=1,Rauu=3)
Family Pisauridae		
Dolomedes fimbriatus (Clerck)	1	LIM (Curr=8)
Pisaura mirabilis (Clecrk)	2	LAO (Card=2); LEI (Raup=1)
Family Dictynidae		
Cryphoeca silvicola (C.L. Koch)	5	COR (Knaw=1); DON (Tiep=1); LAO (Foss=1); LIM (Curr=2); OFF (Bght=1)
Family Hahniidae		
Antistea elegans (Blackwall)	2	DON (Carp=1, Caru=12, Tiep=2, Tieu=12); LIM (Clea=2, Curr=3)
Hahnia montana (Blackwall)	1	WIC (Sliu=2)
Hahnia nava (Blackwall)	2	COR (Clar=1); LIM (Clea=1)
Family Mimetidae		
Ero cambridgei (Kulczynski)	3	LIM (Clop=1, Curr=1); MAY (Veep=5); WIC (Gate=2, Slip=1)
Ero furcata (Villers)	1	LIM (Clea=1)
Family Theridiidae		
Euryopsis flavomaculata (L. Koch)	2	MAY (Veeu=30); WAT (More=8)
Pholcomma gibbum (Westring)	4	DON (Carp=1); LIM (Clop=1); TIP (Balp=2); WIC (Bawn=2, Bmut=1, Slip=2)
Robertus arundineti (O.P.-Cambridge)	2	COR (Glan=1); KER (Geap=2, Togp=1, Togu=1)

Robertus lividus (Blackwall)	2	LAO (Agho=1, Card=31, Foss=21, Gfin=16, Glas=4, Lead=35, Mary=44, Msop=10, Trum=40); LEI (Raup=2)
Robertus neglectus (O.P.-Cambridge)	2	CLA (Doog=5); KLK (Kill=1)
Theonoe minutissima (O.P.-Cambridge)	7	CAR (Kila=1); FER (Gore=1); KER (Cumm=7, Geap=1, Knoc=5, Togp=3, Toop=1, ToopS=5, ToouS=2); LAO (Msop=1); LIM (Clea=25); WAT (Toor=1); WEX (Sinb=3)
Theridion bimaculatum (Linnaeus)	2	TIP (MntpM=1); WAT (More=2, Toor=2)
Theridion impressum (L. Koch)	3	FER (MullM=1); KLK (BalbM=1); TIP (MntpM=2)
Theridion instabile (O.P.-Cambridge)	6	KLK (Ratr=1); LAO (Gfin=1, Lead=1); LEI (Raup=1); OFF (Corb=1); TIP (Cooa=3); WIC (SlipM=1)
Theridion varians (Hahn)	1	TIP (MntpM=1)
Family Nesticidae		
Nesticus cellulanus (Thorell)	1	WIC (Athn=1)
Family Tetragnathidae		
Meta mengei (Blackwall)	4	CAR (Kila=1); DUB (Lugg=1); LIM (Clop=2, Kduf=1); WAT (Toor=1)
Meta merianae (Scopli)	1	LIM (Boky=1, Kduf=1)
Meta segmentata (Clerck)	4	KLK (BalbM=3, Kill=1, Muny=1); LAO (Glas=1); LIM (Moig=1); TIP (MntpM=6)
Pachygnatha degeeri (Sundevall)	2	LEI (Rauu=2); LIM (Clop=8, Clou=17, Curr=2, Moig=20)
Tetragnatha montana (Simon)	2	GAL (IncpM=3, IncuM=12); LIM (Moig=1)
Family Araneidae		
Araniella opistographa (Kulczynski)	2	GAL (IncuM=1); TIP (KilbM=1)
Episinus truncatus (Latrielle)	1	COR (Kilm=1)
Hyposinga pygmaea (Sundevall)	1	DON (Carp=1)
Family Theridiosomatidae		
Theridiosoma gemmosum (Koch)	2	LIM (Clop=1); TIP (CooaM=1)

Family Linyphiidae		
Agyneta cauta (O.P.-Cambridge)	4	GAL (Incu=1), KER (Geap=5), MAY (Veep=12)
Agyneta conigera (O.P.-Cambridge)	7	KER (Togp=1), KLK (Muny=1), LIM (Boky=1, Clou=1, Kduf=1), MAY (Veep=1), OFF (Bght=2), TIP (Comm=4, Flem=1, Kilb=1), WIC (Slip=1, Sliu=1)
Agyneta decora (O.P.-Cambridge)	9	CLA (Bool=1), COR (Coog=3), KLK (Kill=1),LAO (Agho=5, Clar=3, Foss=3), LIM (Kduf=1, Moig=1, Reen=2), MAY (Veep=40, Veeu=25), TIP (Balu=9, Comm=1, Doon=1, Mvan=1), WAT (More=68, Toor=1), WES (Hanp=1)
Agyneta olivacea (Emerton)	9	CLA (Garv=1), COR (Cloo=1, Glan=19, Kilm=1, Meen=5, Rean=7), GAL (Incp=39), KER (Clyd=2,Geap=29, Geau=12, Knoc=30, Togp=2, Togu=24, Toou=5), LAO (Clar=1), LEI (Rauu=1), LIM (Clea=3, Kduf=1, Moig=1), MAY (Veep=123, Veeu=10), WAT (Rinc=1, Toor=1)
Agyneta ramosa (Jackson)	14	CAR (Kila=11), CLA (Bool=24, Corr=1, Garv=13), COR (Clar=6, Cloo=6, Coog=1, Glan=25, Gull=6, Knaw=7, Meen=5, Rean=4), DON (Caru=9, Tieu=3), DUB (Lugg=4), KER (Geap=1, Knoc=102, Toou=1), KLK (Muny=1, Ratr=1), LAO (Agho=1, Card=2, Clar=4, Foss=8, Glas=8, Lead=1), LEI (Raup=1, Rauu=1), LIM (Boky=4, Clea=17), MAY (Veep=8), TIP (Balp=6, Balu=3, Mntp=1), WAT (More=16, Toor=21), WEX (Sinb=1), WIC (Athn=5, Bawn=61, Bmut=9, Cura=5, Gate=5, Muck=12)
Agyneta subtilis (O.P.-Cambridge)	8	KLD (Deme=10), KLK (Kill=3), LAO (Card=7, Foss=11, Gfin=5, Glas=15, Mary=1, Msop=13, Trum=4), LEI (Raup=17, Rauu=6), LIM (Boky=2, Clea=111, Curr=6, Kduf=2, Moig=5, Reen=1), SLI (Rath=11), WAT (More=60, Toor=37), WES (Hanp=1)
Allomengea scopigera (Grube)	1	KER (Cumm=1)
Allomengea vidua (L. Koch)	1	LIM (Clop=1)
Aphileta misera (O.P.-Cambridge)	2	COR (Glan=1); KER (Clyd=2, Cumm=3)
Araeoncus crassiceps (Westring	3	GAL (IncuM=1); KER (ToouM=1); MAY (Veeu=16)

Asthenargus paganus (Simon)	11	CLA (Coor=10, Doog=2, Glyn=10); DUB (Lugg=18); FER (Gore=1); GAL (Derr=22); KLD (Deme=1); KLK (Cast=2); LAO (Card=5, Foss=4, Gfin=3, Lead=1, Mary=15, Msop=8, Trum=13); LIM (Boky=16, Clea=2); TIP (Comm=6, Coon=12); WEX (Sinb=15); WIC (Athn=15, Bawn=14, Bmut=12, Cura=11, Gate=3, Muck=31, Stoe=10, Suns=11)
Baryphma trifons (O.P.-Cambridge)	5	KLK (Balb=1, Kill=1, Muny=3); LAO (Clar=1, Glas=2, Lead=2); LEI (Raup=2, Rauu=3); LIM (Clop=2, Curr=2); MAY (Veeu=1)
Bathyphantes approximatus (O.P.-Cambridge)	3	KLK (Ratr=2); LAO (Lead=1); LIM (Clou=8, Curr=1)
Bathyphantes gracilis (Blackwall)	1	LIM (Boky=3, Clea=8, Clop=22, Clou=55, Curr=18, Kduf=13, Moig=17, Reen=35)
Bathyphantes nigrinus (Westring)	5	LAO (Card=1, Clar=3, Foss=5, Glas=12, Lead=26); LEI (Raup=4, Rauu=1); LIM (Clea=7, Clop=3, Clou=1, Kduf=1, Reen=3); OFF (Bght=2, Corb=1), SLI (Rath=1)
Bathyphantes parvulus (Westring)	10	CLA (Bale=22, Bool=4, Doog=4, Garv=16, Glyn=4); COR (Clar=2, Cloo=2, Coog=2, Glen=19, Kilm=21); DUB (Lugg=4); GAL (Cool=16, Incp=3, Incu=2, Lurg=43); KER (Cumm=1, Geap=3, Geau=3, Togp=9, TogpS=2, Togu=6, Toop=2, Toou=1, ToouM=1); KLK (Balb=7, BalbM=4,Cast=4, Kill=8, Muny=107, Ratr=68); LEI (Raup= 18, Rauu=1); LIM (Clea=1, Clop=21, Clou=7, Curr=29, Kduf=1, Moig=9, Reen=5); MAY (Veep=1, Veeu=32); TIP (Balp=10, Balu=23, Coon=7, Cooa=23, CooaS=1, CooaM=2, Doon=1, Flem=61, Kilb=6, Mntp=3, MntpM=1, Mvan=4)
Bathyphantes setiger (O.P.-Cambridge)	1	GAL (Incu=1)
Centromerita concinna (Thorell)	1	LAO (Card=3, Clar=2)
Centromerus arcanus (O.P.-Cambridge)	1	WAT (More=2, Toor=1)

Centromerus dilutus (O.P.-Cambridge)	7	FER (Gore=2); KER (Clyd=4, Cumm=7, Knoc=11, Toop=1); KLD (Deme=2); LIM(Boky=4, Clea=24); MAY (Veep=1); SLI (Rath=2); WAT (Moaf=1, More=3)
Centromerus prudens (O.P.-Cambridge)	1	LIM (Clea=1)
Centromerus sylvaticus (Blackwall)	3	LIM (Clou=1); TIP (Balp=1); WIC (Bawn=1, Gate=1, Stoe=1)
Ceratinella brevipes (Westring)	3	DON (Carp=58, Caru=77, Tiep=60, Tieu=38); LIM (Clea=8, Clop=1, Curr=6, Moig=1); WAT (Moaf=1, More=30, Toor=8)
Ceratinella brevis (Wider)	6	CAR (Kila=1); GAL (Incp=3); LEI (Raup=1, Rauu=3); LIM (Clea=1); MAY (Veep=5); WAT (Moaf=6, Toor=6)
Ceratinella scabrosa (O. P.-Cambridge)	11	COR (Kilm=2, Knaw=1); KLD (Deme=7); KLK (Cast=9, Kill=2, Muny=8, Ratr=5); LAO (Clar=4, Foss=1, Glas=1, Trum=2); LEI (Raup=14, Rauu=8); LIM (Clop=4, Clou=36, Curr=26, Moig=27); OFF (Bght=9); WAT (Moaf=10); WES (Hanp=17); WEX (Barn=1, Sinb=1); WIC (Slip=1, Suns=4)
Cnephalocotes obscurus (Blackwall)	4	DON (Caru=3, Tieu=22); DUB (Lugg=2); LEI (Rauu=2); OFF (Corb=1)
Dicymbium nigrum (Blackwall)	4	COR (Coog=1, Glen=2, Gull=1, Kilm=2, Knaw=4, Meen=1); LEI (Raup=4, Rauu=15); LIM (Clop=2, Clou=3, Curr=2, Moig=6); WAT (Moaf=1, More=7)
Dicymbium tibiale (Blackwall)	13	CLA (Bale=3, Corr=1, Doog=21); COR (Baly=34, Clar=4, Cloo=1, Glan=6,Gull=3, Kilm=25, Meen=4, Rean=7); DUB (Lugg=7); FER (Gore=1); GAL (Cool=4, Incp=1, Lurg=3); KER (Clyd=2, Cumm=90, Knoc=1); KLD (Deme=2); LAO (Card=10, Clar=2, Foss=20, Gfin=1, Msop=1); LIM (Clea=2, Kduf=1, Moig=1, Rean=33); OFF (Corb=15); SLI (Rath=48); TIP (Comm=2, Cooa=5, Kilb=2, Mntp=1, Mvan=12); WEX (Barn=19, Sinb=34)
Diplocentria bidentata (Emerton)	1	WAT (MoafS=1)

Diplocephalus latifrons (O.P.-Cambridge)	10	COR (Baly=96, Clar=58, Cloo=2, Fury=49, Glan=81, Gull=19, Kilm=1, Meen=127, Rean=97, Sagg=65); DON (Tieu=1); GAL (Derr=18); LAO (Card=3, Foss=18, Gfin=17, Glas=9, Mary=31, Msop=68, Trum=70); LIM (Boky=46, Clea=86, Kduf=23); SLI (Rath=37); TIP (Balu=2, Comm=13, Coon=36, Gary=3, Kilb=2, Mntp=1, Mvan=1); WAT (More=10, Toor=2); WEX (Barn=20, Sinb=106); WIC (Athn=7, Bawn=8, Bmut=57, Cura=119, Gate=11, Muck=121, Stoe=43, Suns=145)
Diplocephalus permixtus (O.P.-Cambridge)	3	DUB (Lugg=2); LIM (Clea=3, Clop=1, Moig=15); MAY (Veeu=2)
Diplocephalus picinus (Blackwall)	4	KLD (Deme=1); LEI (Rauu=2); OFF (Bght=2); WIC (Suns=3)
Diplostyla concolor (Wider)	3	LAO (Foss=22, Lead=2); WAT (Toor=5); WES (Hanp=1)
Dismodicus bifrons (Blackwall)	8	DON (Carp=4, Caru=1, Tiep=7, Tieu=6); KLK (Balb=1, BalbM=27, Cast=5, Kill=9, Muny=11, Ratr=19); LEI (Raup=6, Rauu=4); LIM (Clea=2, Clop=10, Clou=6, Curr=3, Kduf=10, Moig=2, Rean=1); OFF (Bght=10); SLI (Rath=2); WAT (Moaf=3, More=19, Toor=29); WES (Hanp=3)
Drepanotylus uncatus (O.P.-Cambridge)	1	DON (Tieu=1)
Erigone dentipalpis (Wider)	3	KLK (Cast=17, Kill=57); LAO (Agho=6, Card=3, Clar=4, Dong=1, Foss=16);WIC (Athn=1, Gate=2, SliuM=1, Stoe=9)
Erigone longipalpis (Sundevall)	3	CAR (Kila=1); TIP (Comm=3, Coon=1, Kilb=2); WAT (Moaf=1)
Erigonella hiemalis (Blackwall)	5	COR (Gull=1); KER (Knoc=1, Toou=1); KLD (Deme=9); LAO (Card=2, Dong=1, Foss=7, Lead=1); LIM (Moig=2, Rean=1)
Erigonella ignobilis (O.P.-Cambridge)	2	KER (Geap=1, Geau=1); WAT (More=1)
Gongylidiellum latebricola (O.P.-Cambridge)	3	DON (Carp=1); GAL (Incp=7, Incu=2); KER (Geap=4, Knoc=2, Togp=1, Togu=4, Toop=1, Toou=1)

Gongylidiellum vivum (O.P.-Cambridge)	5	COR (Carr=8, Coog=3, Cloo=1, Fury=12, Glan=29, Glen=1, Gull=6, Kilm=76, Knaw=4, Meen=9, Rean=9, Sagg=5); DUB (Lugg=16); KLD (Deme=3); LIM (Boky=6, Clea=19, Clop=5, Clou=9, Curr=6, Kduf=25, Moig=1, Rean=16); WIC (Athn=5, Bawn=31, Bmut=2, Cura=7, Gate=9, Muck=6, Slip=8, Sliu=3, SliuM=1, Stoe=13, Suns=11)
Gongylidum rufipes (Linnaeus)	4	GAL (IncuM=1); KER (Clyd=1, Cumm=2, Geau=1); KLK (Muny=1); WIC (Athn=1)
Hilaira excisa (O. P.-Cambridge)	8	CAR (Kila=1); DON (Carp=1); DUB (Lugg=1); GAL (Derr=1); KER (Clyd=1); LAO (Gfin=1, Mary=1); LIM (Clea=1, Rean=2); TIP (Comm=24, Coon=3, Mvan=3)
Hypselistes jacksoni (O.P.-Cambridge)	3	DON (Carp=2, Caru=1, Tiep=1, Tieu=7); KER (Geau=2); WIC (Bawn=5)
Kaestneria pullata (O.P.-Cambridge)	7	DON (Tiep=3, Tieu=7); GAL (Lurg=2); KER (Toop=2, ToopM=8, Toou=7); KLK (Balb=1, Muny=4); MAY (Veeu=1); OFF (Corb=4); TIP (Mvan=6)
Lepthyphantes alacris (Blackwall)	11	DUB (Lugg=35); KLD (Deme=1); KLK (Cast=1); LAO (Card=1, Gfin=2, Lead=9, Msop=10, Trum=10); LEI (Raup=3); LIM (Boky=25, Clea=121, Kduf=2); MAY (Veeu=1); SLI (Rath=56);TIP (Balp=3, Balu=1, Comm=2, Coon=6, Doon=3, Flem=1); WEX (Barn=1, Sinb=9); WIC (Athn=34, Bawn=1, Bmut=48, Cura=24, Gate=3, Muck=49, Slip=2, Stoe=10, Suns=14)
Lepthyphantes cristatus (Menge)	4	LAO (Agho=1, Card=1, Clar=1, Glas=5, Lead=3); LEI (Raup=3); TIP (Balp=6, Balu=1, Cooa=1, Mvan=3); WAT (Toor=2)
Lepthyphantes ericaeus (Blackwall)	3	DON (Carp=14, Caru=22, Tiep=8, Tieu=15); KLK (Balb=5, BalbM=1, BalbS=3, Cast=2, Muny=9, Ratr=28); LEI (Raup=8, Rauu=5)
Lepthyphantes flavipes (Blackwall)	7	CLA (Bale=1, Doog=2, Glyn=3); KER (Cumm=1, Toop=1); KLD (Deme=2); KLK (Kill=2); LEI (Raup=6); LIM (Clea=4, Kduf=3); SLI (Rath=97)
Lepthyphantes mengei (Kulczynski)	3	LEI (Raup=4, Rauu=7); LIM (Clea=8, Clop=5, Clou=6); WAT (More=11, Toor=11)
Lepthyphantes nebulosus (Sundervall)	1	OFF (Corb=1)

Lepthyphantes obscurus (Blackwall)	5	GAL (Derr=1), KLD (Deme=1); LIM (Clea=8, Kduf=1); TIP (Balu=1, Comm=3, Coon=1, KilbM=2, Mntp=2, MntpM=1); WIC (Athn=9, Bawn=2, Bmut=1, Cura=3, Muck=2, SlipM=1, SliuM=1, Stoe=6)
Lepthyphantes pallidus (O.P.-Cambridge)	7	KLK (Balb=2); LAO (Card=1, Gfin=1, Lead=2, Msop=2, Trum=1); LEI (Raup=1); LIM (Boky=1, Clea=1); SLI (Rath=2); WAT (Toor=2); WIC (Athn=2, Bawn=3, Suns=1)
Lepthyphantes tenebricola (Wider)	16	CAR (Kila=100); CLA (Corr=12, Doog=7, Glyn=10); DUB (Lugg=72); GAL (Derr=1, IncpM=1, Lurg=1); KER (Clyd=1, Knoc=1, ToguS=1); KLD (Deme=13); KLK (Balb=1); LAO (Card=12, Clar=1, Foss=1, Gfin=5, Glas=6, Mary=2, Msop=51, Trum=25); LEI (Raup=2, Rauu=1); LIM (Boky=33, Kduf=2, Moig=1); SLI (Rath=88); TIP (Balp=1, Balu=2, Comm=5, Coon=31, Doon=2, Flem=2); WAT (Moaf=3, Rinc=23, Toor=11); WES (Hanp=1); WEX (Barn=4, Sinb=28), WIC (Athn=20, Bawn=2, Bmut=15, Cura=12, Gate=20, Muck=30, Stoe=21, Suns=23)
Lepthyphantes tenuis (Blackwall)	1	DON (Carp=8, Caru=3, Tiep=3, Tieu=2)
Lepthyphantes zimmermanni (Bertkau)	1	LIM (Boky=193, Clea=147, Clop=14, Clou=4, Curr=3, Kduf=31, Moig=1)
Leptporhoptrum robustum (Westring)	8	COR (Glen=1, Knaw=2); KLK (Balb=2, Kill=6, Cast=7, Ratr=1); LEI (Raup=3, Rauu=3); LIM (Clea=7, Clop=2, Clou=6, Curr=1, Kduf=4, Moig=2, Rean=3); OFF (Bght=22, Corb=4); SLI (Rath=2); WAT (Moaf=2, More=1); WES (Hanp=6)
Linyphia hortensis (Sundevall)	1	KLD (Deme=1)
Linyphia triangularis (Clerck)	1	KLD (Deme=1)
Lophomma punctatum (Blackwall)	5	DON (Carp=10, Caru=4, Tiep=3, Tieu=4); KLK (Balb=1, Ratr=1); LEI (Raup=4, Rauu=3); LIM (Clea=2, Clop=1, Clou=1, Kduf=1, Moig=3 Rean=2); MAY (Veeu=3)
Macrargus rufus (Wider)	2	LAO (Msop=1); WIC (Bmut=2)

Maro minutus (O.P.-Cambridge)	11	CAR (Kila=13); CLA (Bool=6, Corr=2, Garv=2); COR (Carr=18, Glan=4, Gull=5, Meen=1, Rean=4); DUB (Lugg=63); KER (Cumm=12; Geau=7; Togp=2); KLD (Deme=2); LAO (Card=34, Foss=4, Msop=9, Trum=13); LIM (Boky=1, Clea=23, Clop=1, Clou=1); MAY (Veep=1); TIP (Balb=3, Comm=1, Coon=6, Flem=1); WIC (Athn=8, Bawn=5, Bmut=1, Cura=15, Gate=9, Muck=6, Slip=1, Sliu=1, Stoe=15, Suns=10)
Maso sundevalli (Westring)	2	WAT (Moaf=1); WIC (Bmut=1, Cura=1, Muck=1, Slip=1, SlipS=1, Sliu=4)
Meioneta beata (O.P.-Cambridge)	1	DON (Tieu=15)
Meioneta rurestris (C. L. Koch)	1	COR (Cloo=1)
Meioneta saxatilis (Blackwall)	9	CLA (Corr=1, Doog=3, Glan=1); DUB (Lugg=6); GAL (Incu=1); KLK (Cast=2, Muny=2); LAO (Agho=3; Dong=1, Foss=1, Glas=2, Lead=1); OFF (Bght=7, Corb=1); TIP (Balu=7, Gary=1); WAT (Toor=2); WES (Hanp=3)
Metopobactrus prominulus (O.P.-Cambridge)	9	CAR (Kila=1); CLA (Bale=5, Garv=10, Glyn=1); COR (Baly=1, Clar=3, Glan=1, Gull=1); DON (Carp=3, Caru=13, Tiep=7, Tieu=1); KER (Cumm=18, Geap=3, Geau=1, Togp=4, Togu=1, Toop=8); KLK (Kill=1, Muny=19); LAO (Agho=1, Lead=1); TIP (Balb=1, Doon=47, Flem=1, Kilb=1, Mvan=1); WEX (Sinb=1)
Micrargus herbigradus (Blackwall)	15	CAR (Kila=2); COR (Carr=2, Cloo=2, Fury=1, Glan=3, Gull=2, Kilm=2, Meen=2, Rean=2, Sagg=2); DON (Carp=1, Caru=5, Tiep=6, Tieu=6); DUB (Lugg=3); GAL (Incp=4, Lurg=4); KER (Clyd=14, Cumm=12, Geap=1, Geau=1, Knoc=3, Togp=1, TogpS=1); KLD (Deme=1); LAO (Card=2, Foss=1, Gfin=1, Glas=3, Lead=1, Trum=1); LEI (Raup=3, Rauu=2); LIM (Boky=2, Clea=5, Clop=3, Clou=1, Kduf=12); MAY (Veep=5, Veeu=1); SLI (Rath=4); TIP (Coom=3, Cooa=6, Coon=3, MntpS=1, Mvan=2); WAT (More=2, Toor=2); WEX (Sinb=2)
Micrargus subaequalis (Westring)	8	COR (Cloo=3, Kilm=23, KilmS=1, Knaw=1); GAL (Lurg=4); KLK (Cast=1, Kill=8, Ratr=2); LAO (Agho=4, Clar=1, Dong=3, Foss=2, Glas=1, Lead=1); LIM (Kduf=2, Reen=1); WAT (More=2, Toor=1); WES (Hanp=1); WIC (Gate=2)
Microlinyphia pusilla (Sundevall)	1	LIM (Clea=1, Kduf=1)

Microneta viaria (Blackwall)	1	KLD (Deme=6)
Milleriana inerrans (O.P.-Cambridge)	1	KER (TogpM=1)
Minyriolus pusillus (Wider)	2	WAT (More=2); WIC (Bawn=1, Gate=3)
Monocephalus castaneipes (Simon)	3	COR (Carr=1, Meen=1); SLI (Rath=1); WIC (Athn=1, Bmut=1, Muck=1)
Monocephalus fuscipes (Blackwall)	5	LAO (Card=3,Clar=5, Foss=19, Gfin=25, Glas=18, Lead=16, Mary=62, Msop=26, Trum=33); LEI (Raup=42, Rauu=21); LIM (Boky=29, Clea=90, Clop=9, Clou=17, Curr=70, Kduf=64, Moig=20, Rean=5); WAT (Moaf=4, More=13, Rinc=1); WES (Hanp=6)
Nereine clathrata(Sundevall)	1	LEI (Raup=6, Rauu=7)
Neriene montana (Clerck)	2	LEI (Rauu=1); LIM (Clou=1)
Neriene peltata (Wider)	2	COR (Carr=4, Glan=3, Glen=2); LIM (Boky=2, Clou=2, Clea=2, Kduf=1)
Oedothorax fuscus (Blackwall)	2	LAO (Agho=23, Card=7, Clar=51, Dong=25, Foss=4, Gfin=7, Msop=1); WIC (Bawn=1, Gate=2, Slip=2, SlipM=1, SliuM=1, Stoe=1, Suns=5)
Oedothorax gibbosus (Blackwall)	6	DUB (Lugg=4); KER (Clyd=1, Cumm=5, Geap=35, Geau=2, Knoc=14, Togp=12, Togu=7, Toop=6, ToopM=1, Toou=11, ToouM= 2); KLK (Cast=3, Kill=1, Muny=9, Ratr=6); LIM (Clea=35, Clop=1, Clou=6, Curr=6, Kduf=2, Moig=2, Rean=16); MAY (Veep=11, Veeu=29); TIP (Comm.=4, Coon=2, Doon=2, Flem=3, Kilb=12)
Oedothorax retusus (Blackwall)	4	DON (Tiep=2); KLD (Deme=1); LIM (Clop=7, Clou=13, Kduf=3, Moig=2, Reen=4); WAT (Moaf=2, More=3, Rinc=1)
Pelecopsis mengei (Simon)	2	LEI (Raup=1, Rauu=1); WIC (Sliu=3)
Pelecopsis nemoralis (Blackwall)	4	CLA (Corr=1); COR (Glan=1, Gull=1, Mean=1, Reen=1); LIM (Boky=1, Clea=3, Curr=1, Kduf=1); WIC (Athn=1, Bmut=3, Cura=1, Muck=1, Stoe=1)
Pelecopsis parallela (Wider)	4	DON (Tiep=1, Tieu=4); KER (Geap=1); LIM (Boky=1); WIC (Bmut=3, Muck=1, Suns=1)
Peponocranium ludicrum (O. P.-Cambridge)	3	GAL (Incp=8, IncpS=1, IncpM=3, Incu=1; IncuS=1); LIM (Clea=1); WAT (More=4)

Pocadicnemis juncea (Locket & Millidge)	16	CLA (Bale=12, Bool=7, Doog=3 , Garv=3, Glyn=1); COR (Carr=1, Glen=44, Gull=1, Kilm=10, Knaw=74, Rean=1); DON (Carp=5, Tiep=5, Tieu=1); DUB (Lugg=1); FER (Gore=3, Mull=1, MullM=1); GAL (Cool=6, Incp=15, Incu=1, Lurg=11); KER (Geap=8, Geau=1, Togp=6, TogpM=2, TogpS=1, Togu=2, Toop=3, Toou=1, ToouM=1); KLK (Balb=4, BalbM=21; BalbS=22, Cast=22, Kill=53, Muny=296, Ratr=18); LAO (Agho=9, Card=15, Clar=5, Dong=3, Foss=16, Glas=32, Lead=29); LEI (Raup=27, Rauu=15); LIM (Clop=43, Clou=2, Curr=21, Moig=6, Reen=2); MAY (Veep=6); TIP (Balp=15, Balu=8, Cooa=5, Doon=4, Flem=4, Kilb=3, Mntp=4, Mvan=15); WAT (More=2, Toor=1); WES (Hanp=34); WIC (Athn=4, Bawn=37, Bmut=2, Gate= 4, Muck=2, Slip=29, SlipM=6, Sliu=26)
Pocadicnemis pumila (Blackwall)	3	KER (Clyd=20, Cumm=40, Geap=83, Geau=55, Knoc=50, Togp=26, TogpM=19, TogpS=3, Togu=20, Toop=25, ToopM=2, ToopS=2, Toou=17, ToouM=3, ToouS=1); LEI (Raup=5, Rauu=1); LIM (Boky=1, Clea=24, Clop=23, Clou=8, Curr=8, Kduf=3, Moig=2, Reen=2)
*Poeciloneta globosa (*Blackwall)	1	LIM (Clop=1, Clou=1)
Porrhomma campbelli (O. P.-Cambridge)	3	COR (Carr=1); GAL (Kerr=1); WIC (Muck=1)
Porrhomma convexum (Westring)	1	COR (Meen=1)
Porrhomma pallidum (Jackson)	9	CAR (Kila=1); COR (Carr=11, Cloo=2, Fury=1, Glan=3, Gull=1, Meen=6, Rean=4, Sagg=4); DUB (Lugg=8); GAL (Derr=5); LAO (Foss=3, Gfin=2, Mary=3, Trum=2); LIM (Boky=4, Clea=14); SLI (Rath=1); TIP (Comm=4, Coon=7); WEX (Sinb=3)
Porrhomma pygmaeum (Blackwall)	1	WIC (Bmut=3, Stoe=1)
Saaristoa abnormis (Blackwall)	10	DON (Carp=4, Caru=1, Tiep=2); DUB (Lugg=13); KLD (Deme=3); KLK (Balb=2, Ratr=1); LAO (Card=33, Foss=8, Gfin=40, Lead=3, Mary=64, Msop=52, Trum=8); LEI (Raup=1); LIM (Boky=26, Clea=21, Clop=5, Clou=1, Kduf=40); TIP (Balp=3, Comm=71, Coon=81, Flem=1, Mvan=1, Mntp=1); WAT (More=8, Toor=9); WEX (Barn=1, Sinb=66)

Saaristoa firma (O.P.-Cambridge)	10	CLA (Corr=1, Glyn=1); DUB (Lugg=4); KER (Clyd=7, Cumm=3, Knoc=5); KLD (Deme=1); KLK (Balb=1); LAO (Mary=2, Trum=1); LIM (Clea=4, Kduf=2); TIP (Balp=1; Coon=1, Flem=1); WAT (Toor=3); WIC (Muck=1, Sliu=1, Stoe=1)
Saloca diceros (O.P.-Cambridge)	1	CLA (Glyn=1)
Silometopus elegans (O.P.-Cambridge)	7	GAL (Incp=1, Incu=6); KER (Geap=90, Geau=16, Togp=8, TogpM=2, TogpS=1, Togu=23, ToguS=1, Toop=1, Toop=9); KLK (Balb=1); LAO (Agho=3, Card=1, Clar=5, Dong=1, Foss=4, Glas=6, Lead=3); LIM (Clea=9); MAY (Veep=21, Veeu=33); WAT (More=88, Toor=3)
Tallusia experta (O.P.-Cambridge)	2	LIM (Clou=6); MAY (Veeu=1)
Tapinocyba insecta (L. Koch)	2	KLD (Deme=1); LEI (Rauu=1)
Tapinocyba pallens (O.P.-Cambridge)	6	DON (Tiep=2, Tieu=1); DUB (Lugg=7); KER (Togu=1); LAO (Card=2, Foss=10, Msop=1, Trum=5); TIP (Coon=1); WIC (Athn=9, Bawn=3, Bmut=2, Gate=22, Stoe=3)
Tapinocyba praecox (O. P.-Cambridge)	1	LIM (Clea=1)
Taranuncus setosus (Simon)	10	DON (Carp=1, Tiep=1); DUB (Lugg=1); FER (Gore=1); GAL (Incp=2, Lurg=6); KLK (Muny=1, Ratr=1); LAO (Foss=1, Glas=3, Lead=15); LIM (Clou=2); MAY (Veep=10); TIP (Balp=1, Balu=1, Kilb=1); WIC (Slip=2)
Tiso vegans (Blackwall)	5	LAO (Agho=1, Dong=1, Foss=2); LEI (Rauu=1); LIM (Clop=1); WIC (Athn=1, Gate=1, SlipM=1, Sliu=12, Stoe=47)
Trichopterna thorelli (Westring)	2	GAL (Incu=2); MAY (Veeu=96)
Troxochrus scabriculus (Westring)	3	DON (Tieu=1); KLK (Cast=12, Kill=2, Ratr=4); LAO (Dong=8)
Walckenaeria acuminata (Blackwall)	4	LIM (Boky=7, Clea=8, Clop=4, Clou=1, Curr=10, Kduf=13, Moig=1); SLI (Rath=5); WAT (Moaf=3, More=16, Toor=2); WES (Hanp=11)
Walckenaeria atrobtibialis (O. P.-Cambridge)	9	CLA (Corr=1, Doog=2, Glyn=5); DON (Caru=6); GAL (Derr=1, Incp=36, Incu=1); KER (Geap=28, Geau=11, Knoc=13, Togu=1, Toop=3, Toou=16); KLK (Ratr=2); LAO (Card=1, Dong=2); MAY (Veep=2, Veeu=2); WAT (More=31, Toor=7); WIC (Sliu=4)
Walckenaeria clavicornis (Emerton)	1	DON (Tieu=1)

Walckenaeria cuspidata (Blackwall)	4	COR (Carr=1, Glan=8, Rean=5); DON (Carp=4, Caru=10, Tiep=5); LEI (Raup=1, Rauu=6); WAT (More=4, Toor=7)
Walckenaeria dysderoides (Wider)	9	CAR (Kila=8); CLA (Glyn=1); COR (Carr=1, Cloo=28, Glan=1, Gull=3); DUB (Lugg=5); KER (Knoc=1); TIP (Balu=1); WAT (More=1); WEX (Sinb=); WIC (Athn=32, Bmut=40, Gate=5, Sliu=1)
Walckenaeria kochi (O. P.-Cambridge)	2	CLA (Garv=1); DON (Carp=1)
Walckenaeria nodosa (O.P.-Cambridge)	4	CAR (Kila=1); KER (Clyd=1); LIM (Clea=1); MAY (Veeu=1)
Walckenaeria nudipalpis (Westring)	8	CLA (Bool=1, Corr=9, Doog=3); GAL (Derr=4, Incp=2, Incu=1); LAO (Card=11, Foss=3, Gfin=8, Mary=1, Msop=8, Trum=5); LIM (Boky=5, Clea=2, Moig=5, Rean=1); SLI (Rath=3); TIP (Comm=1, Coon=3); WAT (More=3); WES (Hanp=1)
Walckenaeria unicornis (O.P.-Cambridge)	6	FER (GoreM=1); LEI (Raup=1); LIM (Clop=2, Clou=2, Moig=1); MAY (Veeu=2); OFF (Bght=1); WIC (SlipM=1)
Walckenaeria vigilax (Blackwall, 1851)	12	CAR (Kila=23); COR (Carr=5, Cloo=5, Glan=4, Glen=2, Gull=11, Meen=2, Rean=3); KER (Clyd=14, Cumm=18, Geap=3, Geau=14, Knoc=7, Togp=6, Togu=22, ToguM=1, Toou=7); KLK (Muny=4); LAO (Card=32, Clar=11, Foss=5, Glas=2, Msop=2); LIM (Clea=7, Clop=31, Clou=12, Curr=7, Kduf=4, Moig=2, Rean=3); MAY (Veeu=16); OFF (Corb=1); TIP (Balp=1, Balu=3, Comm=5, Flem=1, Mntp=2, Mvan=26); WAT (More=21, Toor=5); WES (Hanp=3); WIC (Athn=13, Bawn=27, Cura=3, Bmut=12, Gate=2, Muck=12, Slip=2, Sliu=39, Stoe=35)