

2014 Check-list of the Caddis (Trichoptera) of the Lancashire & Cheshire Entomological Society Region

(Vice Counties 48 – Merionethshire; 49 – Caernarvonshire; 50 – Denbighshire; 51 – Flintshire; 52 – Anglesey; 58 – Cheshire; 59 – South Lancashire; 60 – West Lancashire)

The information is taken from data in the UK Caddis Recording Scheme up to the end of March 2015. This is held, on a voluntary basis, by Ian Wallace on behalf of the Biological Records Centre. The national data base then had 520,000 entries. The number of entries for the considered vice counties was 28,500. The data finds its way to the National Biodiversity Network “Gateway” web site every few years where species dot maps can be viewed.

The data for this check-list comes from field recording, particularly by Alan Brindle who worked at Manchester Museum and Ian Wallace and his family; Ian worked at Liverpool Museum (now known as World Museum Liverpool); additional data came from other museums. Data has come also from local and national publications as well as many unpublished reports. Water quality surveying by the Environment Agency and National Resources Wales produced many records. Data was also supplied by the Local Record Centres for Cheshire and North Wales.

The data was analysed to determine for each species the number of hectads from which it was recorded. A hectad equates to a 10 km² “dot” on traditional distribution maps. Different year ranges have not been separated so the numbers cover all dates.

All UK species are listed so those not known from our area are clear. Widespread and frequently recorded species are also obvious, as are the rarities. Attention is also drawn to those species recorded from our area that would be regarded as Nationally Rare or Scarce; this is drawn from information in Wallace (2016).

The check-list is in two parts. The first is based on the check-list in Barnard & Ross (2012); and the second is arranged alphabetically, to enable faster cross-referencing.

Taking up the study of Caddis

There is a comparatively cheap and comprehensive identification key to adults (Barnard & Ross, 2012). The larvae of most species are covered by Edington & Hildrew (1995) and Wallace *et al* (2003). An introduction to caddis adults is provided by Barnard & Ross (2008) and Wallace (2006) aims to enable identification of those larvae that are easy to identify using a simple hand-lens. Unfortunately there is currently not a comprehensive photographic guide, or web pages, to live adults, which would make the group more accessible to moth recorders who take them, often in numbers, in light-traps.

A major purpose of this check-list is to indicate to recorders if a species they believe they have recorded is new to the vice county, or a local or national rarity. These are ones where retention of a voucher specimen for checking is highly desirable, though in some cases a photograph might suffice.

Ian Wallace, is UK Caddis National Recording Scheme organiser, and verifier for caddis for all Local Record Centres. As such, he is keen to help people develop an interest in caddis and help verify their records.

References

- Barnard, Peter & Ross, Emma 2008. Guide to the adult caddisflies or sedge flies (Trichoptera). *Field Studies Council*.
- Barnard, P.C. & Ross, E. 2012. The adult Trichoptera (caddisflies) of Britain and Ireland. *Handbooks for the identification of British Insects* **1** (17) 192 + iv pages.
- Edington, J.M. & Hildrew, A.G. 1995. A revised key to the caseless caddis larvae of the British Isles with notes on their ecology. *Scientific Publications of the Freshwater Biological Association* **53**: 1-134.
- Wallace, I.D. 2006. *Simple key to caddis larvae*. Shrewsbury, Field Studies Council, 59 pages.
- Wallace, I.D. 2016 *in press for electronic publication* A review of the scarce and threatened caddis flies (Trichoptera) of Great Britain. *Natural England*.
- Wallace, I.D., Wallace, B. & Philipson. G.N. 2003. Keys to the case-bearing caddis larvae of Britain and Ireland. *Scientific Publications of the Freshwater Biological Association* **61**: 1-259.

Table 1. Species arrangement based on Barnard & Ross (2012)

	Count of Hectads	Merionethshire	Vice County 48	Count of Hectads	Caernarvonshire	Vice County 49	Count of Hectads	Denbighshire	Vice County 50	Count of Hectads	Flintshire	Vice County 51	Count of Hectads	Anglesey	Vice County 52	Count of Hectads	Cheshire	Vice County 58	Count of Hectads	South Lancashire	Vice County 59	Count of Hectads	West Lancashire	Vice County 60	Nationally Scarce	Nationally Rare
"Caseless & Primitive Caddis"																										
Rhyacophilidae																										
Rhyacophila dorsalis (Curtis)	25	21	27	8	5	17	23	14																		
Rhyacophila fasciata Hagen	1		9	7		4	1																			
Rhyacophila munda McLachlan	8	9	5																							
Rhyacophila obliterata McLachlan	10	2	8	1			3	9	3																	
Glossosomatidae																										
Agapetus delicatulus McLachlan	7	3	10	2			1	2	3																	
Agapetus fuscipes Curtis	22	22	20	9	8	10	12	5																		
Agapetus ochripes Curtis	5	4	6	1			1	3	5																	

	VC 48	VC 49	VC 50	VC 51	VC 52	VC 58	VC 59	VC 60	NS	NR
<i>Glossosoma boltoni</i> Curtis	14	11	15	2		5	7	8		
<i>Glossosoma conformis</i> Neboiss	6	5	11	4		3	5	6		
<i>Glossosoma intermedium</i> (Klapalek)										
<i>Synagapetus dubitans</i> McLachlan										
Hydroptilidae										
<i>Agraylea multipunctata</i> Curtis	3	3	1	3	3	12	17	3		
<i>Agraylea sexmaculata</i> Curtis			5	2	4		3	8		
<i>Allotrichia pallicornis</i> (Eaton)			2	2	2			3	1	
<i>Hydroptila angulata</i> Mosely							1		X	
<i>Hydroptila cornuta</i> Mosely										
<i>Hydroptila forcipata</i> (Eaton)	2	2	1	1			2	2		
<i>Hydroptila lotensis</i> Mosely										
<i>Hydroptila martini</i> Marshall	1	2	1			1				
<i>Hydroptila occulta</i> (Eaton)	2	1								
<i>Hydroptila pulchricornis</i> Pictet						1		1	X	
<i>Hydroptila simulans</i> Mosely	1	1	2							
<i>Hydroptila sparsa</i> Curtis			2	3		1	3	4	1	
<i>Hydroptila sylvestris</i> Morton										
<i>Hydroptila tigurina</i> Ris										
<i>Hydroptila tineoides</i> Dalman	5	5	1		1	3				
<i>Hydroptila valesiaca</i> Schmid										
<i>Hydroptila vectis</i> Curtis		1	1	1		6	1			
<i>Ithytrichia clavata</i> Morton	1								X	
<i>Ithytrichia lamellaris</i> Eaton	1	1					1			
<i>Orthotrichia angustella</i> (McLachlan)										
<i>Orthotrichia costalis</i> (Curtis)	2	1				4		2		
<i>Orthotrichia tragetti</i> Mosely										

	VC 48	VC 49	VC 50	VC 51	VC 52	VC 58	VC 59	VC 60	NS	NR
Oxyethira distinctella McLachlan										
Oxyethira falcata Morton	8	6	3		1					
Oxyethira flavicornis (Pictet)	6	4		1		3	3	1		
Oxyethira frici Klapalek	4	3							X	
Oxyethira mirabilis Morton	2									
Oxyethira sagittifera Ris	3	1							X	
Oxyethira simplex Ris	9	2			1				X	
Oxyethira tristella Klapalek		1								X
Tricholeiochiton fagesii (Guinard)		1			1	1			X	
Philopotamidae										
Chimarra marginata (L.)	10	3	5						X	
Philopotamus montanus (Donovan)	20	18	17	6	2	4	7	5		
Wormaldia mediana McLachlan			1							X
Wormaldia occipitalis (Pictet)	18	16	13	8	5	5	6	4		
Wormaldia subnigra McLachlan	8	3	3	1			6		X	
Ecnomidae										
Ecnomus tenellus (Rambur)					1	3	1	1		
Polycentropodidae										
Cyrnus flavidus McLachlan	11	5	2	1	1	9	17	4		
Cyrnus insolitus McLachlan										
Cyrnus trimaculatus (Curtis)	10	8	7		3	18	12	5		
Holocentropus dubius (Rambur)	5	6	2	1	1	3	2			
Holocentropus picicornis (Stephens)	6	3	7	2		11	8	5		
Holocentropus stagnalis (Albarda)				1	2	10	4		X	
Neureclipsis bimaculata (L.)	4	2				3	1			
Plectrocnemia brevis McLachlan			5	6		5	1		X	

	VC 48	VC 49	VC 50	VC 51	VC 52	VC 58	VC 59	VC 60	NS	NR
<i>Plectrocnemia conspersa</i> (Curtis)	20	19	22	10	6	22	27	7		
<i>Plectrocnemia geniculata</i> McLachlan	10	15	8	6	2	1	4	2		
<i>Polycentropus flavomaculatus</i> (Pictet)	24	18	13			8	11	14	12	
<i>Polycentropus irroratus</i> (Curtis)	6	4	3			1	5	2		
<i>Polycentropus kingi</i> McLachlan	16	9	13			1	1	3	1	
Psychomyiidae										
<i>Lype phaeopa</i> (Stephens)	3	5	5	1	3	13	5	4		
<i>Lype reducta</i> (Hagen)		1	2	5	1	7	4	2		
<i>Psychomyia fragilis</i> (Pictet)										
<i>Psychomyia pusilla</i> (Fabricius)	5	4	4			3	6	10		
<i>Tinodes assimilis</i> McLachlan	4	13	1	1	1		1		X	
<i>Tinodes dives</i> (Pictet)				1			3		X	
<i>Tinodes macalachlani</i> Kimmins	1	8	2	1	2	6	3	2	X	
<i>Tinodes maculicornis</i> (Pictet)										
<i>Tinodes pallidulus</i> McLachlan										
<i>Tinodes rostocki</i> McLachlan										
<i>Tinodes unicolor</i> (Pictet)		2	4	6	2		2	1		
<i>Tinodes waeneri</i> (L.)	15	14	9	2	3	18	22	9		
Hydropsychidae										
<i>Cheumatopsyche lepida</i> (Pictet)	2	3	1				1			
<i>Diplectrona felix</i> McLachlan	16	21	14	6	1	3	6	4		
<i>Hydropsyche angustipennis</i> (Curtis)	1	6	3		2	20	17	3		
<i>Hydropsyche bulgaromanorum</i> Malicky										
<i>Hydropsyche contubernalis</i> McLachlan			1			1	3	2		
<i>Hydropsyche exocellata</i> Dufour										
<i>Hydropsyche fulvipes</i> (Curtis)			2	7		4	2			
<i>Hydropsyche instabilis</i> (Curtis)	14	13	17	8	2	10	12	4		

	VC 48	VC 49	VC 50	VC 51	VC 52	VC 58	VC 59	VC 60	NS	NR
<i>Hydropsyche pellucidula</i> (Curtis)	9	8	20	6	1	18	16	9		
<i>Hydropsyche saxonica</i> McLachlan							4	2	X	
<i>Hydropsyche siltalai</i> Dohler	22	19	21	3	5	17	20	12		

"Cased Caddis"

Phryganeidae

<i>Agrypneta crassicornis</i> McLachlan										
<i>Agrypnia obsoleta</i> (Hagen)	6	6	2	1		4	4			
<i>Agrypnia pagetana</i> Curtis						10	7	1		
<i>Agrypnia picta</i> Kolenati										
<i>Agrypnia varia</i> (Fabricius)	9	7	2	1	3	9	11	2		
<i>Hagenella clathrata</i> (Kolenati)			1							X
<i>Oligotricha striata</i> (L.)	1		3			11	11	1		
<i>Phryganea bipunctata</i> Retzius	4	4	3	2	1	16	18	3		
<i>Phryganea grandis</i> L.				1	4	13	17	1		
<i>Trichostegia minor</i> (Curtis)			2	3		9	4	1	X	

Brachycentridae

<i>Brachycentrus subnubilus</i> Curtis	4	2	13	1		4	4	2		
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Goeridae

<i>Goera pilosa</i> (Fabricius)	10	11	7	2	1	2	6	4		
<i>Silo nigricornis</i> (Pictet)		1	1	2	1	3	2			
<i>Silo pallipes</i> (Fabricius)	17	18	15	7	3	7	9	4		

Lepidostomatidae

<i>Crunoecia irrorata</i> (Curtis)	16	17	14	8	3	11	12	5		
<i>Lepidostoma basale</i> (Kolenati)	4	1	5	3				1		
<i>Lepidostoma hirtum</i> (Fabricius)	15	16	9		2	1	4	8		

	VC 48	VC 49	VC 50	VC 51	VC 52	VC 58	VC 59	VC 60	NS	NR
Apataniidae										
<i>Apatania auricula</i> (Forsslund)										
<i>Apatania muliebris</i> McLachlan	4	8	7	6	2		1	1		
<i>Apatania wallengreni</i> McLachlan	1	2							X	
Limnephilidae										
<i>Ironoquia dubia</i> (Stephens)										
<i>Drusus annulatus</i> (Stephens)	14	14	21	8	1	8	11	5		
<i>Ecclisopteryx dalecarlica</i> Kolenati	6	1	5	2		5	5	1		
<i>Chaetopteryx villosa</i> (Fabricius)	20	16	22	9	3	15	11	2		
<i>Anabolia brevipennis</i> (Curtis)			1			4		1		X
<i>Anabolia nervosa</i> (Curtis)	17	12	11	5	4	17	27	11		
<i>Glyphotaelius pellucidus</i> (Retzius)	5	6	9	7	5	22	20	6		
<i>Grammotaulius nigropunctatus</i> (Retzius)	1		3	5	4	11	9			
<i>Grammotaulius nitidus</i> (Muller)										
<i>Limnephilus affinis</i> Curtis	8	8	3	7	9	15	17	3		
<i>Limnephilus auricula</i> Curtis	13	16	14	9	8	23	22	6		
<i>Limnephilus binotatus</i> Curtis						10	8	1	X	
<i>Limnephilus bipunctatus</i> Curtis		1	3	4		1			X	
<i>Limnephilus borealis</i> (Zetterstedt)										
<i>Limnephilus centralis</i> Curtis	18	17	15	6	5	17	18	1		
<i>Limnephilus coenosus</i> Curtis	14	7	7	1	1	7	6			
<i>Limnephilus decipiens</i> (Kolenati)			3			7				
<i>Limnephilus elegans</i> Curtis	2	3	7		3	4	2		X	
<i>Limnephilus extricatus</i> McLachlan		1	3	3	1	9	12	3		
<i>Limnephilus flavicornis</i> (Fabricius)	2	4	4	3	1	27	31	14		
<i>Limnephilus fuscicornis</i> (Rambur)			2			2	2		X	
<i>Limnephilus griseus</i> (L.)	3	1	3	1		8	2		X	

	VC 48	VC 49	VC 50	VC 51	VC 52	VC 58	VC 59	VC 60	NS	NR
<i>Limnephilus hirsutus</i> (Pictet)	2	2	1	6	4	2	6	1	X	
<i>Limnephilus ignavus</i> McLachlan						3	1		X	
<i>Limnephilus incisus</i> Curtis	2	1	4	4	5	11	7	1		
<i>Limnephilus lunatus</i> Curtis	13	19	20	10	11	30	30	10		
<i>Limnephilus luridus</i> Curtis	12	11	12	5	5	12	7	2		
<i>Limnephilus marmoratus</i> Curtis	9	14	10	7	6	26	30	12		
<i>Limnephilus nigriceps</i> (Zetterstedt)			1		1	8			X	
<i>Limnephilus pati</i> O'Connor										
<i>Limnephilus politus</i> McLachlan						8	2		X	
<i>Limnephilus rhombicus</i> (L.)	4	6	3		1	8	10	1		
<i>Limnephilus sparsus</i> Curtis	12	17	12	10	6	22	19	3		
<i>Limnephilus stigma</i> Curtis	2	3	2	2	3	10	8	3		
<i>Limnephilus subcentralis</i> (Brauer)										
<i>Limnephilus tauricus</i> Schmid					1					
<i>Limnephilus vittatus</i> (Fabricius)	11	7	10	9	6	27	30	11		
<i>Nemotaulius punctatolineatus</i> (Retzius)										
<i>Rhadicoleptus alpestris</i> (Kolenati)	4		1	1		3	1	2	X	
<i>Allogamus auricollis</i> (Pictet)	2		4	1			1	5		
<i>Enoicyla pusilla</i> (Burmeister)										
<i>Halesus digitatus</i> (Schrank)	7	4	16	7	1	12	9	4		
<i>Halesus radiatus</i> (Curtis)	18	15	20	5	5	12	9	4		
<i>Hydatophylax infumatus</i> (McLachlan)		2	2			2			X	
<i>Melampophylax mucoreus</i> (Hagen)			3	5			1			
<i>Mesophylax aspersus</i> (Rambur)										
<i>Mesophylax impunctatus zetlandicus</i> McLachlan										
<i>Micropterna lateralis</i> (Stephens)	11	7	9	2	1	19	11	1		
<i>Micropterna sequax</i> McLachlan	12	11	14	9	6	17	10	5		

	VC 48	VC 49	VC 50	VC 51	VC 52	VC 58	VC 59	VC 60	NS	NR
Potamophylax cingulatus (Stephens)	19	14	19	9	1	15	15	5		
Potamophylax latipennis (Curtis)	13	9	18	6	1	12	11	7		
Potamophylax rotundipennis (Brauer)		1	1			1	5		X	
Stenophylax permistus McLachlan	5	8	10	8	4	14	7	1		
Stenophylax vibex (Curtis)	2		3			1	1		X	
Sericostomatidae										
Notidobia ciliaris (L.)			1			1			X	
Sericostoma personatum (Spence)	19	18	22	7	9	19	23	16		
Beraeidae										
Beraea maurus (Curtis)	13	19	10	7	3	14	9	5		
Beraea pullata (Curtis)	5	9	10	7	4	13	4			
Beraeodes										
Beraeodes minutus (L.)			2		2	2				
Ernodes articularis (Pictet)			5	4		1			X	
Odontoceridae										
Odontocerum albicorne (Scopoli)	13	9	18	7	1	7	15	9		
Molannidae										
Molanna albicans (Zetterstedt)	5	3	1						X	
Molanna angustata Curtis	1		3			14	22	5		
Leptoceridae										
Adicella filicornis (Pictet)	1		2							X
Adicella reducta (McLachlan)	17	10	14	3	2	4	4	1		
Athripsodes albifrons (L.)	2	2	6	3		1	10	8		
Athripsodes aterrimus (Stephens)	14	9	9	8	7	24	29	12		
Athripsodes bilineatus (L.)		1	4		1	5	4	3		
Athripsodes cinereus (Curtis)	6	5	6	1		7	12	9		

	VC 48	VC 49	VC 50	VC 51	VC 52	VC 58	VC 59	VC 60	NS	NR
<i>Athripsodes commutatus</i> (Rostock)			1				1	2	X	
<i>Ceraclea albimacula</i> (Rambur)		1	3	1		1	2	1	X	
<i>Ceraclea annulicornis</i> (Stephens)	3		5	1			5	4		
<i>Ceraclea dissimilis</i> (Stephens)	4	3	8			3	7	6		
<i>Ceraclea fulva</i> (Rambur)	8	3			1	4	9	2		
<i>Ceraclea nigronervosa</i> (Retzius)	3	3	6			3		2		
<i>Ceraclea senilis</i> (Burmeister)						3	2			
<i>Erotesis baltica</i> McLachlan					2				X	
<i>Leptocerus interruptus</i> (Fabricius)										
<i>Leptocerus lusitanicus</i> (McLachlan)										
<i>Leptocerus tineiformis</i> Curtis						1	7	5		
<i>Mystacides azurea</i> (L.)	14	14	14	5	3	13	15	12		
<i>Mystacides longicornis</i> (L.)	6	9	4	5	4	23	19	10		
<i>Mystacides nigra</i> (L.)	2				2	5	1	1		
<i>Oecetis furva</i> (Rambur)	1								X	
<i>Oecetis lacustris</i> (Pictet)	6	2	2	2	3	10	11	5		
<i>Oecetis notata</i> (Rambur)										
<i>Oecetis ochracea</i> (Curtis)	4	1	4	2	3	10	20	2		
<i>Oecetis testacea</i> (Curtis)	9	9	3			1	1	1		
<i>Setodes argentipunctellus</i> McLachlan										
<i>Setodes punctatus</i> (Fabricius)										
<i>Triaenodes bicolor</i> (Curtis)	6	7	7	3	5	18	19	5		
<i>Ylodes conspersus</i> (Rambur)										
<i>Ylodes reuteri</i> (McLachan)										
<i>Ylodes simulans</i> (Tjeder)	2		1						X	

	VC 48	VC 49	VC 50	VC 51	VC 52	VC 58	VC 59	VC 60	
TOTAL NUMBER OF SPECIES	117	118	131	96	88	126	128	102	
TOTAL HECTAD RECORDS	946	855	941	414	264	1112	1138	452	
Entries in Database	3758	4152	4293	2166	989	4978	6114	2056	

Table 2. Species arranged alphabetically (names as in Barnard & Ross (2012)

	Count of Hectads	Merionethshire	Vice County 48		Count of Hectads	Caernarvonshire	Vice County 49		Count of Hectads	Denbighshire	Vice County 50		Count of Hectads	Flintshire	Vice County 51		Count of Hectads	Anglesey	Vice County 52		Count of Hectads	Cheshire	Vice County 58		Count of Hectads	South Lancashire	Vice County 59		Count of Hectads	West Lancashire	Vice County 60		Nationally Scarce Species		Nationally Rare species	
<i>Adicella filicornis</i> (Pictet)	1																										X									
<i>Adicella reducta</i> (McLachlan)	17	10	14	3																																
<i>Agapetus delicatulus</i> McLachlan	7	3	10	2																																
<i>Agapetus fuscipes</i> Curtis	22	22	20	9	8	10	12	5																												
<i>Agapetus ochripes</i> Curtis	5	4	6	1																																
<i>Agraylea multipunctata</i> Curtis	3	3	1	3	3	12	17	3																												
<i>Agraylea sexmaculata</i> Curtis		5	2	4		3	8																													

	VC 48	VC 49	VC 50	VC 51	VC 52	VC 58	VC 59	VC 60	NS	NR
<i>Agrypnetae crassicornis</i> McLachlan										
<i>Agrypnia obsoleta</i> (Hagen)	6	6	2	1		4	4			
<i>Agrypnia pagetana</i> Curtis						10	7	1		
<i>Agrypnia picta</i> Kolenati										
<i>Agrypnia varia</i> (Fabricius)	9	7	2	1	3	9	11	2		
<i>Allogamus auricollis</i> (Pictet)	2		4	1			1	5		
<i>Allotrichia pallicornis</i> (Eaton)		2	2	2			3	1		
<i>Anabolia brevipennis</i> (Curtis)			1			4		1		X
<i>Anabolia nervosa</i> (Curtis)	17	12	11	5	4	17	27	11		
<i>Apatania auricula</i> (Forsslund)										
<i>Apatania muliebris</i> McLachlan	4	8	7	6	2		1	1		
<i>Apatania wallengreni</i> McLachlan	1	2								X
<i>Athripsodes albifrons</i> (L.)	2	2	6	3		1	10	8		
<i>Athripsodes aterrimus</i> (Stephens)	14	9	9	8	7	24	29	12		
<i>Athripsodes bilineatus</i> (L.)		1	4		1	5	4	3		
<i>Athripsodes cinereus</i> (Curtis)	6	5	6	1		7	12	9		
<i>Athripsodes commutatus</i> (Rostock)			1				1	2		X
<i>Beraea maurus</i> (Curtis)	13	19	10	7	3	14	9	5		
<i>Beraea pullata</i> (Curtis)	5	9	10	7	4	13	4			
<i>Beraeodes minutus</i> (L.)			2		2	2				
<i>Brachycentrus subnubilus</i> Curtis	4	2	13	1		4	4	2		
<i>Ceraclea albimacula</i> (Rambur)		1	3	1		1	2	1		X
<i>Ceraclea annulicornis</i> (Stephens)	3		5	1			5	4		
<i>Ceraclea dissimilis</i> (Stephens)	4	3	8			3	7	6		
<i>Ceraclea fulva</i> (Rambur)	8	3			1	4	9	2		
<i>Ceraclea nigronervosa</i> (Retzius)	3	3	6			3		2		
<i>Ceraclea senilis</i> (Burmeister)						3	2			

	VC 48	VC 49	VC 50	VC 51	VC 52	VC 58	VC 59	VC 60	NS	NR
<i>Chaetopteryx villosa</i> (Fabricius)	20	16	22	9	3	15	11	2		
<i>Cheumatopsyche lepida</i> (Pictet)	2	3	1				1			
<i>Chimarra marginata</i> (L.)	10	3	5						X	
<i>Crunoecia irrorata</i> (Curtis)	16	17	14	8	3	11	12	5		
<i>Cyrnus flavidus</i> McLachlan	11	5	2	1	1	9	17	4		
<i>Cyrnus insolitus</i> McLachlan										
<i>Cyrnus trimaculatus</i> (Curtis)	10	8	7		3	18	12	5		
<i>Diplectrona felix</i> McLachlan	16	21	14	6	1	3	6	4		
<i>Drusus annulatus</i> (Stephens)	14	14	21	8	1	8	11	5		
<i>Ecclisopteryx dalecarlica</i> Kolenati	6	1	5	2		5	5	1		
<i>Ecnomus tenellus</i> (Rambur)					1	3	1	1		
<i>Enoicyla pusilla</i> (Burmeister)										
<i>Ernodes articularis</i> (Pictet)			5	4		1			X	
<i>Erotesis baltica</i> McLachlan					2				X	
<i>Glossosoma boltoni</i> Curtis	14	11	15	2		5	7	8		
<i>Glossosoma conformis</i> Neboiss	6	5	11	4		3	5	6		
<i>Glossosoma intermedium</i> (Klapalek)										
<i>Glyphotaelius pellucidus</i> (Retzius)	5	6	9	7	5	22	20	6		
<i>Goera pilosa</i> (Fabricius)	10	11	7	2	1	2	6	4		
<i>Grammotaulius nigropunctatus</i> (Retzius)	1		3	5	4	11	9			
<i>Grammotaulius nitidus</i> (Muller)										
<i>Hagenella clathrata</i> (Kolenati)			1						X	
<i>Halesus digitatus</i> (Schrank)	7	4	16	7	1	12	9	4		
<i>Halesus radiatus</i> (Curtis)	18	15	20	5	5	12	9	4		
<i>Holocentropus dubius</i> (Rambur)	5	6	2	1	1	3	2			
<i>Holocentropus picicornis</i> (Stephens)	6	3	7	2		11	8	5		
<i>Holocentropus stagnalis</i> (Albarda)				1	2	10	4		X	

	VC 48	VC 49	VC 50	VC 51	VC 52	VC 58	VC 59	VC 60	NS	NR
<i>Hydatophylax infumatus</i> (McLachlan)		2	2			2			X	
<i>Hydropsyche angustipennis</i> (Curtis)	1	6	3		2	20	17	3		
<i>Hydropsyche bulgaromanorum</i> Malicky										
<i>Hydropsyche contubernalis</i> McLachlan			1			1	3	2		
<i>Hydropsyche exocellata</i> Dufour										
<i>Hydropsyche fulvipes</i> (Curtis)			2	7		4	2			
<i>Hydropsyche instabilis</i> (Curtis)	14	13	17	8	2	10	12	4		
<i>Hydropsyche pellucidula</i> (Curtis)	9	8	20	6	1	18	16	9		
<i>Hydropsyche saxonica</i> McLachlan							4	2	X	
<i>Hydropsyche siltalai</i> Dohler	22	19	21	3	5	17	20	12		
<i>Hydroptila angulata</i> Mosely							1		X	
<i>Hydroptila cornuta</i> Mosely										
<i>Hydroptila forcipata</i> (Eaton)	2	2	1	1			2	2		
<i>Hydroptila lotensis</i> Mosely										
<i>Hydroptila martini</i> Marshall	1	2	1		1					
<i>Hydroptila occulta</i> (Eaton)	2	1								
<i>Hydroptila pulchricornis</i> Pictet						1		1	X	
<i>Hydroptila simulans</i> Mosely	1	1	2							
<i>Hydroptila sparsa</i> Curtis		2	3		1	3	4	1		
<i>Hydroptila sylvestris</i> Morton										
<i>Hydroptila tigurina</i> Ris										
<i>Hydroptila tineoides</i> Dalman	5	5	1		1	3				
<i>Hydroptila valesiaca</i> Schmid										
<i>Hydroptila vectis</i> Curtis		1	1	1		6	1			
<i>Ironoquia dubia</i> (Stephens)										
<i>Ithytrichia clavata</i> Morton	1								X	
<i>Ithytrichia lamellaris</i> Eaton	1	1					1			

	VC 48	VC 49	VC 50	VC 51	VC 52	VC 58	VC 59	VC 60	NS	NR
<i>Lepidostoma basale</i> (Kolenati)	4	1	5	3				1		
<i>Lepidostoma hirtum</i> (Fabricius)	15	16	9		2	1	4	8		
<i>Leptocerus interruptus</i> (Fabricius)										
<i>Leptocerus lusitanicus</i> (McLachlan)										
<i>Leptocerus tineiformis</i> Curtis					1	7	5			
<i>Limnephilus affinis</i> Curtis	8	8	3	7	9	15	17	3		
<i>Limnephilus auricula</i> Curtis	13	16	14	9	8	23	22	6		
<i>Limnephilus binotatus</i> Curtis						10	8	1	X	
<i>Limnephilus bipunctatus</i> Curtis		1	3	4		1			X	
<i>Limnephilus borealis</i> (Zetterstedt)										
<i>Limnephilus centralis</i> Curtis	18	17	15	6	5	17	18	1		
<i>Limnephilus coenosus</i> Curtis	14	7	7	1	1	7	6			
<i>Limnephilus decipiens</i> (Kolenati)			3			7				
<i>Limnephilus elegans</i> Curtis	2	3	7		3	4	2		X	
<i>Limnephilus extricatus</i> McLachlan		1	3	3	1	9	12	3		
<i>Limnephilus flavicornis</i> (Fabricius)	2	4	4	3	1	27	31	14		
<i>Limnephilus fuscicornis</i> (Rambur)			2			2	2		X	
<i>Limnephilus griseus</i> (L.)	3	1	3	1		8	2		X	
<i>Limnephilus hirsutus</i> (Pictet)	2	2	1	6	4	2	6	1	X	
<i>Limnephilus ignavus</i> McLachlan						3	1		X	
<i>Limnephilus incisus</i> Curtis	2	1	4	4	5	11	7	1		
<i>Limnephilus lunatus</i> Curtis	13	19	20	10	11	30	30	10		
<i>Limnephilus luridus</i> Curtis	12	11	12	5	5	12	7	2		
<i>Limnephilus marmoratus</i> Curtis	9	14	10	7	6	26	30	12		
<i>Limnephilus nigriceps</i> (Zetterstedt)			1		1	8			X	
<i>Limnephilus pati</i> O'Connor										
<i>Limnephilus politus</i> McLachlan						8	2		X	

	VC 48	VC 49	VC 50	VC 51	VC 52	VC 58	VC 59	VC 60	NS	NR
<i>Limnephilus rhombicus</i> (L.)	4	6	3		1	8	10	1		
<i>Limnephilus sparsus</i> Curtis	12	17	12	10	6	22	19	3		
<i>Limnephilus stigma</i> Curtis	2	3	2	2	3	10	8	3		
<i>Limnephilus subcentralis</i> (Brauer)										
<i>Limnephilus tauricus</i> Schmid					1					
<i>Limnephilus vittatus</i> (Fabricius)	11	7	10	9	6	27	30	11		
<i>Lype phaeopa</i> (Stephens)	3	5	5	1	3	13	5	4		
<i>Lype reducta</i> (Hagen)		1	2	5	1	7	4	2		
<i>Melampophylax mucoreus</i> (Hagen)			3	5			1			
<i>Mesophylax aspersus</i> (Rambur)										
<i>Mesophylax impunctatus zetlandicus</i> McLachlan										
<i>Micropterna lateralis</i> (Stephens)	11	7	9	2	1	19	11	1		
<i>Micropterna sequax</i> McLachlan	12	11	14	9	6	17	10	5		
<i>Molanna albicans</i> (Zetterstedt)	5	3	1						X	
<i>Molanna angustata</i> Curtis	1		3			14	22	5		
<i>Mystacides azurea</i> (L.)	14	14	14	5	3	13	15	12		
<i>Mystacides longicornis</i> (L.)	6	9	4	5	4	23	19	10		
<i>Mystacides nigra</i> (L.)	2				2	5	1	1		
<i>Nemotaulius punctatolineatus</i> (Retzius)										
<i>Neureclipsis bimaculata</i> (L.)	4	2				3	1			
<i>Notidobia ciliaris</i> (L.)			1			1			X	
<i>Odontocerum albicorne</i> (Scopoli)	13	9	18	7	1	7	15	9		
<i>Oecetis furva</i> (Rambur)	1								X	
<i>Oecetis lacustris</i> (Pictet)	6	2	2	2	3	10	11	5		
<i>Oecetis notata</i> (Rambur)										
<i>Oecetis ochracea</i> (Curtis)	4	1	4	2	3	10	20	2		
<i>Oecetis testacea</i> (Curtis)	9	9	3			1	1	1		

	VC 48	VC 49	VC 50	VC 51	VC 52	VC 58	VC 59	VC 60	NS	NR
Oligotricha striata (L.)	1		3			11	11	1		
Orthotrichia angustella (McLachlan)										
Orthotrichia costalis (Curtis)	2	1				4		2	X	
Orthotrichia tragetti Mosely										
Oxyethira distinctella McLachlan										
Oxyethira falcata Morton	8	6	3		1					
Oxyethira flavicornis (Pictet)	6	4		1		3	3	1		
Oxyethira frici Klapalek	4	3							X	
Oxyethira mirabilis Morton	2									
Oxyethira sagittifera Ris	3	1							X	
Oxyethira simplex Ris	9	2			1				X	
Oxyethira tristella Klapalek		1							X	
Philopotamus montanus (Donovan)	20	18	17	6	2	4	7	5		
Phryganea bipunctata Retzius	4	4	3	2	1	16	18	3		
Phryganea grandis L.				1	4	13	17	1		
Plectrocnemia brevis McLachlan			5	6		5	1		X	
Plectrocnemia conspersa (Curtis)	20	19	22	10	6	22	27	7		
Plectrocnemia geniculata McLachlan	10	15	8	6	2	1	4	2		
Polycentropus flavomaculatus (Pictet)	24	18	13		8	11	14	12		
Polycentropus irroratus (Curtis)	6	4	3		1	5	2			
Polycentropus kingi McLachlan	16	9	13		1	1	3	1		
Potamophylax cingulatus (Stephens)	19	14	19	9	1	15	15	5		
Potamophylax latipennis (Curtis)	13	9	18	6	1	12	11	7		
Potamophylax rotundipennis (Brauer)		1	1			1	5		X	
Psychomyia fragilis (Pictet)										
Psychomyia pusilla (Fabricius)	5	4	4			3	6	10		
Rhadicoleptus alpestris (Kolenati)	4		1	1		3	1	2	X	

	VC 48	VC 49	VC 50	VC 51	VC 52	VC 58	VC 59	NS	NR	
<i>Rhyacophila dorsalis</i> (Curtis)	25	21	27	8	5	17	23	14		
<i>Rhyacophila fasciata</i> Hagen	1		9	7		4	1			
<i>Rhyacophila munda</i> McLachlan	8	9	5				1			
<i>Rhyacophila oblitterata</i> McLachlan	10	2	8	1		3	9	3		
<i>Sericostoma personatum</i> (Spence)	19	18	22	7	9	19	23	16		
<i>Setodes argentipunctellus</i> McLachlan										
<i>Setodes punctatus</i> (Fabricius)										
<i>Silo nigricornis</i> (Pictet)		1	1	2	1	3	2			
<i>Silo pallipes</i> (Fabricius)	17	18	15	7	3	7	9	4		
<i>Stenophylax permistus</i> McLachlan	5	8	10	8	4	14	7	1		
<i>Stenophylax vibex</i> (Curtis)	2		3			1	1		X	
<i>Synagapetus dubitans</i> McLachlan										
<i>Tinodes assimilis</i> McLachlan	4	13	1	1	1		1		X	
<i>Tinodes dives</i> (Pictet)				1			3		X	
<i>Tinodes maclachlani</i> Kimmins	1	8	2	1	2	6	3	2	X	
<i>Tinodes maculicornis</i> (Pictet)										
<i>Tinodes pallidulus</i> McLachlan										
<i>Tinodes rostocki</i> McLachlan										
<i>Tinodes unicolor</i> (Pictet)		2	4	6	2		2	1		
<i>Tinodes waeneri</i> (L.)	15	14	9	2	3	18	22	9		
<i>Triaenodes bicolor</i> (Curtis)	6	7	7	3	5	18	19	5		
<i>Tricholeiochiton fagesii</i> (Guinard)		1			1	1			X	
<i>Trichostegia minor</i> (Curtis)			2	3		9	4	1	X	
<i>Wormaldia mediana</i> McLachlan			1							X
<i>Wormaldia occipitalis</i> (Pictet)	18	16	13	8	5	5	6	4		
<i>Wormaldia subnigra</i> McLachlan	8	3	3	1			6		X	
<i>Ylodes conspersus</i> (Rambur)										

	VC 48	VC 49	VC 50	VC 51	VC 52	VC 58	VC 59	VC 60	NS	NR
<i>Ylodes reuteri</i> (McLachan)										
<i>Ylodes simulans</i> (Tjeder)	2		1							X
TOTAL HECTAD RECORDS	946	855	941	414	264	1112	1138	452		
TOTAL NUMBER OF SPECIES	117	118	131	96	88	126	128	102		
Entries in data base	3758	4152	4293	2166	989	4978	6114	2056		

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10/1/2016