

Observations on Macrolepidoptera 1998–2005

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ANNEX 2.

Macrolepidopteran species observed in Kökar 1998–2005. * = Observations deriving from only a single bait trap 2.–22.9.2001, ** = Observation based on memory, Observations recorded by other observers: 1998–2005 not observed or additional observation to former records, 1) Jyrki Suomi 2013, 2) Kim Rossi & J. Suomi 2013, 3) Tomi Mäkinen & Harri Luoma 2004, 4) Mika Laitinen, Jussi Murtosaari & Petri Mäntynen 2008, Oksanen 2011, 5) Kaare 1987, 6) Jussi Kaare 1992, 7) Heikki Kronholm 2002, 8) Paul Grotenfelt 1975, 9) Panu Välimäki 2006, 10) A.F. Nordman 1946, Max von Schantz 1952, 11) P. Grotenfelt 1947, 12) Oksanen 2013, 13) A.F. Nordman 1939, 14) Janne Liikanen 2011, 15) Jari Järkkä & J. Kaare 2002, 16) P. Grotenfelt 1962, 17) J. Murtosaari & Kari Nissinen 2003, 18) J. Kaare 1992, 19) P. Grotenfelt 1959.

Species	Summary 1998-2005				1998				1999				2000				2001				2002				2003				2004				Observed by other observers
	Total	Light traps	Bait traps	Active search	Total	Light traps	Bait traps	Active search	Total	Light traps	Bait traps	Active search	Total	Light traps	Bait traps	Active search	Total	Light traps	Bait traps	Active search	Total	Light traps	Bait traps	Active search	Total	Light traps	Bait traps	Active search					
<i>Pyrgus alveus</i>																																	
<i>Thymelicus lineola</i>			x																														
<i>Hesperia comma</i>																																	
<i>Parnassius apollo</i>																																	
<i>Pieris brassicae</i>																																	
<i>Pieris rapae</i>																																	
<i>Pieris napi</i>			x																														
<i>Anthocaris cardamines</i>																																	
<i>Colias palaeno</i>						x																											
<i>Gonepteryx rhamni</i>			x			x																											
<i>Callophrys rubi</i>			x																														
<i>Lycaea phlaeas</i>			x																														
<i>Lycaena virgaurea</i>			x			x																											
<i>Lycaena hippothoe</i> **																																	
<i>Celastrina argiolus</i>																																	
<i>Plebejus argus</i>																																	
<i>Arcia eartaxeres</i>			x			x																											
<i>Polyommatus semiargus</i> **						x																											
<i>Polyommatus amandus</i>																																	
<i>Polyommatus icarus</i>			x		x	x																											
<i>Apatura iris/ilia</i>																																	
<i>Nymphalis antiopa</i>	6	6	37	37													1	1	x	x	x	x	x	x	x	x	x	x	x	x			
<i>Inachis io</i>	3	3	8	8													1	1	x	x	x	x	x	x	x	x	x	x	x	x			
<i>Vanessa atalanta</i>	281	3	278	783	1	782											96	2	94	1	1	x	x	x	x	x	x	x	x	x			
<i>Vanessa cardui</i>																																	
<i>Aglais urticae</i>																																	
<i>Nymphalis xanthomelas</i>																																	
<i>Polygonia c-album</i>																																	
<i>Argynnis paphia</i>																																	
<i>Argynnis aglaja</i>			x																														
<i>Argynnis adippe</i>																																	
<i>Argynnis niobe</i>			x	x	x																												
<i>Argynnis laodice</i>																																	
<i>Issoria lathonia</i>																																	

1)

2)

3)

4)

<i>Epirlta autumnata</i>	170	159	11	52	36	16	16	11	5	6	6	x	x	x	x	x
<i>Operophtera brumata</i>	1	1		45	45		31	31		5	5	x	x	x	x	x
<i>Operophtera fagata</i>	23	23		92	92		16	16		1	1			x	x	x
<i>Perizoma taeniatum</i>						1	1									
<i>Perizoma affinitatum</i>				6	4	2						x	x	x		
<i>Perizoma alchemillatum</i>	15	15		80	80		12	12		1	1	x	x	x	x	x
<i>Perizoma hydratum</i>				2	2											
<i>Perizoma bifaciatum</i>	8	8		7	7		3	3		3	3	x	x	x	x	x
<i>Perizoma blandiatum</i>	3	3		5	5		2	2		1	1	x	x	x	x	x
<i>Perizoma albulatum</i>												x	x			
<i>Perizoma flavofasciatum</i>	9	9		21	15	6	67	67		3	3	x	x	x	x	x
<i>Perizoma didymatum</i>	30	30		147	147		34	34		5	5	x	x	x	x	x
<i>Eupithecia</i> Sp.				14	12	2	53	53		16	16					
<i>Eupithecia tenuiata</i>	3	3		6	6		1	1				x	x	x	x	
<i>Eupithecia turbata</i>	4	4		3	2	1	6	6		1	1	x	x	x	x	x
<i>Eupithecia plumbeolata</i>	1	1		2	2		6	6		3	3	x	x	x	x	
<i>Eupithecia abietaria</i>						1	1					x	x			
<i>Eupithecia linariata</i>				2	2		1	1				x	x	x	x	
<i>Eupithecia exigua</i>	14	14		18	18		125	125		13	13	x	x	x	x	x
<i>Eupithecia valerianata</i>	1	1		2	2		6	6				x	x	x	x	x
<i>Eupithecia centaureata</i>	47	47		193	193		34	34		23	23	x	x	x	x	x
<i>Eupithecia selinata</i>														≤3	≤3	
<i>Eupithecia trisignaria</i>														x	x	
<i>Eupithecia intricata</i>	20	20		106	106		56	55	1	16	16	x	x	≤2	x	1
<i>Eupithecia satyrata</i>	9	9		120	120		179	179		31	31	x	x	x	x	x
<i>Eupithecia absinthiata</i>	22	21	1	63	61	2	12	12		2	2	x	x	x	x	x
<i>Eupithecia goosensiata</i>	6	5	1	340	338	2	44	44		10	10	x	x	x	x	x
<i>Eupithecia assimilata</i>	3	3		3	3		7	7		1	1			x	x	x
<i>Eupithecia tripunctaria</i>							38	38		1	1			x	x	x
<i>Eupithecia vulgata</i>	1	1		15	15		30	30		13	13	x	x	x	x	x
<i>Eupithecia denotata</i>				19	19		4	4		5	5	x	x	x	x	x
<i>Eupithecia subfuscata</i>	1	1		43	43		108	107	1	17	17	x	x	x	x	x
<i>Eupithecia icterata</i>	43	35	8	147	147		58	57	1	48	48	x	x	x	x	x
<i>Eupithecia succenturiata</i>	19	19		57	57		28	28		7	7	x	x	x	x	x
<i>Eupithecia orphnata</i>				2	2		0			3	3			x	x	≤2
<i>Eupithecia subumbra</i>				43	43		35	35		20	20	x	x	20	20	x
<i>Eupithecia millefoliata</i>												2	2	x		≤3
<i>Eupithecia simplicia</i>				4	4									x	x	x
<i>Eupithecia sinuosa</i>										1	1			x	x	x
<i>Eupithecia indigata</i>				11	11		7	7		1	1					
<i>Eupithecia pimpinellata</i>	32	32		182	182		21	21		21	21	x	x	x	x	x
<i>Eupithecia nanata</i>	94	94		205	204	1	104	104		16	16	x	x	x	x	x
<i>Eupithecia ochridata</i>				1	1											
<i>Eupithecia innotata</i>	1	1		6	6		12	12	1	3	3	x	6	1	1	
<i>Eupithecia virgaureata</i>				4	4		3	3					x	x	x	x
<i>Eupithecia dodoneata</i>						1	1									
<i>Eupithecia pusillata</i>	1221	1099	122	4988	4903	85	4829	4798	31	1847	1846	1	x	x	x	x
<i>Eupithecia tantillaria</i>	1	1		4	4		10	9	1	4	4			x	x	x
<i>Gymnoscelis rufifasciata</i>	503	33	470	365	32	333	35	34	1	9	9	x	x	x	x	x
<i>Chloroclystis v-ata</i>							6	6		1	1	x				1
<i>Chloroclystis chloerata</i>				7	7							x				
<i>Chloroclystis rectangularis</i>	21	7	14	13	12	1	12	12		2	2	x	x	x	x	x
<i>Chloroclystis debiliata</i>	33	5	28	67	63	4	24	23	1	7	7	x	x	x	x	x

<i>Anticollix sparsatus</i>	2	2		22	21	1	2	2		x	x	x	x	1/0	1/0	
<i>Chesias legatella</i>				2	2		3	3						x	x	8)
<i>Carsia sororiana</i>				15	15		1	1							x	x
<i>Aplocera praeformata</i>	7	7					3	3							≤5	≤5
<i>Aplocera plagiata</i>							3	3								
<i>Odezia atrata</i>							1	1						x	x	
<i>Discoloxia blomeri</i>				1	1											
<i>Euchoeca nebulata</i>	78	74	4	179	179		20	19	1	10	10	x	x	x	x	x
<i>Asthena albula</i>	2	2		7	7		7	7				x	x	x	x	x
<i>Hydrelia flammeolaria</i>	68	56	12	280	280		60	59	1	55	55	x	x	x	x	x
<i>Lobophora halterata</i>							2	2				x	x		x	x
<i>Trichopteryx carpinata</i>				4	4		17	17		1	1					
<i>Pterapherapteryx sexalata</i>	31	5	26	13	2	11	2	1	1	2	2	x	x	x	x	x
<i>Abraxas grossularia</i>	2	2		3	3		10	10		2	2	x	x	x	x	x
<i>Calospilos sylvatus</i>				3	3		1	1		2	1	1		x	x	
<i>Lomasplis marginata</i>	10	8	2	35	35		18	18		5	5	x	x	x	x	x
<i>Semiothisa notata</i>	55	51	4	54	53	1	12	12		5	5	x	x	x	x	x
<i>Semiothisa alternaria</i>	53	51	2	27	27		15	15		14	14	x	x	x	x	x
<i>Semiothisa signaria</i>				2	2		2	2						x	x	
<i>Semiothisa liturata</i>	51	50	1	77	68	9	43	42	1	15	15	x	x	x	x	x
<i>Semiothisa clathrata</i>	45	45		245	244	1	457	457		144	144	x	x	x	x	x
<i>Itame loricaria</i>										x	x					
<i>Itame wauaria</i>	65	64	1	237	236	1	94	94		11	11	x	x	x	x	x
<i>Itame brunneata</i>	2	2		27	27		17	17		8	8	x	x	x	x	x
<i>Cephalis advenaria</i>	1	1								x	x			x	x	
<i>Petrophora chlorosata</i>				4	4		2	2						x	x	
<i>Plagodis pulveraria</i>	1	1		5	5		4	4						x	x	
<i>Plagodis dolabraria</i>	22	14	8	16	6	10	22	22		1	1	x	x	x	x	x
<i>Opisthograptis luteolata</i>	41	40	1	54	54		36	36		7	7	x	x	≤6	x	5
<i>Epione repandaria</i>	2	2		10	10		7	7		3	3	x	x	x	x	x
<i>Epione parallellaria</i>	2	2		9	9		3	3		2	2	x	x	x	x	x
<i>Ennomos alniarius</i>	316	316		603	603		609	609		275	275	x	x	x	x	x
<i>Ennomos fuscantarius</i>				2	2		3	3		20	20	x	x	x	x	x
<i>Ennomos erosarius</i>														x	x	
<i>Selenia dentaria</i>				2	2		9	9		1	1					
<i>Selenia lunularia</i>	19	19		14	14		18	18		4	4	x	x	x	x	x
<i>Selenia tetralunaria</i>				2	2		2	2						≤3	≤3	x
<i>Odontopera bidentata</i>	5	5		21	21		16	16		11	11	x	x	x	x	x
<i>Crocallis elinguaria</i>	174	174		274	274		147	147		66	66	x	x	x	x	x
<i>Ouraapteryx sambucaria</i>	2	2		4	4		5	5		2	2	5	5	x	x	x
<i>Colotois pennaria</i>	6	6		8	8		15	15		7	7	x	x	x	x	x
<i>Apochima pilosaria</i>							11	11		5	5					
<i>Lycia hirtaria</i>				234	234		269	269		71	71			4	4	x
<i>Biston stratarius</i>				1	1					2	2					x
<i>Biston betularius</i>	51	51		98	98		68	67	1	38	38	x	x	x	x	x
<i>Agriopis aurantiaria</i>	30	27	3	49	48	1	39	39		10	10			x	x	x
<i>Erannis defoliaria</i>	10	10		41	41		25	25		8	8	x	x	x	x	x
<i>Peribatodes secundarius</i>	2	2		4	4		4	4		x	x	x	x	20	20	
<i>Deileptenia ribeata</i>				9	4	5	7	5	2	1	1			x	x	x
<i>Alcis repandatus</i>	262	93	169	548	293	255	65	59	6	15	15	x	x	x	x	x
<i>Ariachanna melanaria</i>	25	17	8	47	34	13	5	5		4	4	x	x	x	x	x
<i>Hypomecis roboraria</i>	4	3	1	17	7	10	4	3	1	2	2	x	x	x	x	x
<i>Hypomecis punctinalis</i>										2	2	x	x	≤3	x	≤2

<i>Closteria pigra</i>	37	37		15	15		14	14		3	3		x	x		x	x		x	x		
<i>Orgyia antiqua</i>				2	2		1	1					x	x		x	x		x	x		
<i>Dicallomera fascelina</i>	9	9		4	4		16	16		2	2		x	x	x	x	x		≤2	≤2		
<i>Calliteara abietis</i>				5	5								1	1					1			
<i>Calliteara pudibunda</i>													12	12		2	≤5	≤5		3	3	
<i>Euproctis similis</i>													x			x	x		1	1		
<i>Leucoma salicis</i>	2	2		8	8		7	7								≤2	≤2					
<i>Lymantria monacha</i>																						
<i>Thumatha senex</i>	87	87		100	100		181	181		20	20		x	x	x	x	x		x	x		
<i>Setina irrorella</i>	16	16		5	5		17	17		4	4		x	x	x	x	x		≤12	≤12		
<i>Miltochrista miniata</i>																			x	x		
<i>Nudaria mundana</i>	4	3	1	12	12	1	1	1		2	2		x	x					x	x		
<i>Atolmis rubricollis</i>				1		1				1	1		x	x					≤4	≤3	x	
<i>Cybosia mesomella</i>	259	259		338	338	1	398	398		117	117		x	x	x	x	x		x	x		
<i>Pelosia obtusa</i>													1	1								
<i>Pelosia muscerala</i>													≤14	x		x	x	x	≤6	≤5	x	
<i>Eilema pygmaeolum</i>	99	99		82	82		99	99		14	14		x	x	x	x	x	692	692	≤66	≤66	
<i>Eilema lutarellum</i>	232	232		452	452		621	621		199	199		x	x	x	x	x		x	x		
<i>Eilema complanum</i>	938	921	17	532	504	28	660	659	1	246	245	1	x	x	x	x	x		x	x	x	
<i>Eilema depressum</i>	3	2	1	3	2	1	2	2		1	1		x	x	x	x	x		x	x		
<i>Eilema griseolum</i>				1	1					x	4					x	x	3	1	1		
<i>Eilema lurideolum</i>	1327	1274	53	1728	1723	5	1977	1976	1	318	318		x	x	x	x	x		x	x	x	
<i>Lithosia quadra</i>	1		1										x	x		x	5	3	2	0/1	0/1	
<i>Coscinia cribaria</i>	498	498		149	149		161	161		71	71		x	x	x	x	x		x	x		
<i>Arctia caja</i>	117	117		368	368		71	71		17	17		x	x	x	x	x		x	x		
<i>Diacrisia sannio</i>	269	269		161	161		351	351		117	117		x	x	x	x	x		x	x		
<i>Rhyparia purpurata</i>				1	1								x	x		x	1	1				
<i>Spilosoma lubricipedum</i>	98	98		132	132		61	61		23	23		x	x					x	x		
<i>Spilosoma luteum</i>	380	380		232	232		127	127		61	61		x	x		x	x		x	x		
<i>Spilosoma urticae</i>				1	1		1	1		1	1		x	x		1	2	2				
<i>Diaphora mendica</i>	7	7		5	5		22	22		9	9		x	x	x	x	x		x	x		
<i>Phragmatobia fuliginosa</i>	5	5		16	16		15	15		12	12		x	x	x	x	x		x	x		
<i>Paracolax tristalis</i>	252	147	105	686	600	86	223	221	2	121	121		x	x	x	x	x		x	x	x	
<i>Macrochilo cribrinalis</i>	18	18		1	1		31	31		6	6		x	x	x	x	x		x	x		
<i>Herminia tarsipennalis</i>	137	34	103	340	321	19	89	82	7	52	52		x	x	x	x	x		x	x	x	
<i>Herminia tarsicinalis</i>										1	1		x			x						
<i>Herminia grisealis</i>	5	2	3		1					x			x			x	1		1	x	x	
<i>Polypogon strigilatus</i>	1		1							x	x		x	x	x	x	x	1	1			
<i>Polypogon tentacularius</i>	155	155		566	564	2	446	445	1	83	83		x	x	x	x	x		x	x		
<i>Polypogon lunalis</i>																						
<i>Rivula sericealis</i>	10	10		43	43		35	35		30	30		x	x	x	x	x		x	x		
<i>Parascotia fuliginaria</i>	17	15	2	43	33	10	27	27		7	7		x	x	x	x	x		x	x	x	
<i>Colobochyla salicalis</i>													x	x		x	x		x	x		
<i>Hypenodes humidalis</i>	2	2		6	6		5	3	2	2	2		x	x		x	x		x	x		
<i>Schrankia costaestrigalis</i>							1	1		x	x		x	x	x	x	x		x	x		
<i>Hypena proboscidalis</i>	202	143	59	1068	905	163	248	246	2	64	63	1	x	x	x	x	x		x	x	x	
<i>Hypena rostralis</i>										x	x		x	x	x	x	x		x	x	x	
<i>Hypena crassalis</i>	22	6	16	36	33	3	5	4	1	4	4		x	x	x	x	x		x	x	x	
<i>Phytometra viridaria</i>				5	5		1	1		3	3		x	x	x	x	x		x	x	x	
<i>Scoliopteryx libatrix</i>	1		1	39		2			1	1		x	x		x	x		x	x	x		
<i>Catocala sponsa</i>										1	1		1		1	7	≤2	≤2				
<i>Catocala fraxini</i>	44	7	37	492	29	463	14	11	3	11	10	1	x	x		x	x	x	x	x	x	
<i>Catocala nupta</i>				2		2				1	1					28	x	x	x	x		

<i>Catocala adultera</i>				4	2	2								1	1	1	1	1
<i>Catocala promissa</i>				609	579	30	240	239	1	195	195	x	1	x	x	x	x	
<i>Catocala pacta</i>												x	x	x	x	x	x	
<i>Lygephila pastinum</i>	98	65	33									x	x	x	x	x	x	
<i>Lygephila viciae</i>				46	41	5	38	38		8	8	x	x	x	x	x	x	
<i>Lygephila craccae</i>	28	22	6									x	x	x	x	x	x	
<i>Callistege mi</i>												x	x	x	x	x	x	
<i>Euclidia glyphica</i>												1	1	1	1	1	1	
<i>Laspeyria flexula</i>	5	4	1	17	17		7	6	1	3	3	x	x	x	x	x	x	
<i>Meganola strigula</i>	1	1										x	x	x	x	x	x	
<i>Nola cuculatella</i>	46	46		123	123		23	23		14	14	x	x	x	x	x	x	
<i>Nola confusalis</i>	1	1		4	4		10	10		1	1							
<i>Nola aerugula</i>	854	823	31	699	694	5	376	375	1	155	155	x	x	x	x	x	x	
<i>Nycteola degenerana</i>							1	1		6	6	x	x	x	x	x	x	
<i>Nycteola asiatica</i>				1	1					1	1							
<i>Earias clorana</i>							1	1				x	x	x	x	x	x	
<i>Pseudoips prasinanus</i>	26	4	22	28	7	21	6	6		1	1	x	x	x	x	x	x	
<i>Panthea coenobita</i>	1	1																
<i>Colocasia coryli</i>	7	7		4	4		3	3		5	5	x	x	x	x	x	x	
<i>Diloba caeruleocephala</i>				3	3	~30L	2	2		2	2	~5L	1	x	x			
<i>Moma alpinum</i>	1		1										x	x	x	x	x	
<i>Acronicta alni</i>	10	1	9	25	3	22	4	3	1	1	1			x	x	x	x	
<i>Acronicta cuspis</i>							1		1				x	x	x	x	x	
<i>Acronicta psi</i>	73	5	68	444	12	432	9	8	1	14	14	x	x	x	x	x	x	
<i>Acronicta aceris</i>												x	x	x	x	x	x	
<i>Acronicta leporina</i>	48	4	44	63	1	62	2	2				x	x	x	x	x	x	
<i>Acronicta megacephala</i>	15	1	14	36		36	1	1				x	x	x	x	x	x	
<i>Acronicta menyanthidis</i>				1		1						x						
<i>Acronicta auricoma</i>	3		3	14		14	2	1	1			x	≤3	x	x	x	x	
<i>Acronicta euphoriae</i>	5	1	4	10	3	7	6	6		2	2	x	x	x	x	x	x	
<i>Acronicta rumicis</i>	96	9	87	270	9	261	10	9	1	6	6	x	x	x	x	x	x	
<i>Craniophora ligustri</i>	38		38	14		14	5	5		1	1	x	x	x	x	≤30	x	
<i>Simyra albovenosa</i>							2	1	1	x	x	x	x	x	x	x	x	
<i>Cryphia raptricula</i>	84	84		327	313	14	52	52		53	53	x	x	x	x	x	x	
<i>Emmelia trabealis</i>							1	1				x	x	x	x	x	x	
<i>Eucarta virgo</i>																1	1	
<i>Protodeltote pygarga</i>	2	1	1	7	2	5	4	4		1	1	x	x	x	x	x	x	
<i>Deltote uncula</i>	5	5		4	4		5	5		4	4		x	x	x	x	x	
<i>Deltote bankiana</i>												x	1	1				
<i>Pseudeustrotia candidula</i>	1	1		4	4		2	2		2	2	x	x	x	x	x	x	
<i>Trisateles emortualis</i>				1	1					5	5	x	x	x	x	x	x	
<i>Eublemma minutatum</i>												x	1	1				
<i>Abrostola triplasia</i>				1	1		1	1		3	3	x	x	x	x	x	x	
<i>Abrostola asclepiades</i>	18	18		10	10		37	37		11	11	x	x	x	x	≤174	≤174	
<i>Abrostola tripartita</i>	56	56		57	57		76	76		27	27	x	x	x	x	x	x	
<i>Diachrysia chrysitis</i>	59	59		144	144		84	84		15	15	x	x	x	x	x	x	
<i>Diachrysia tutti</i>	40	40		131	131		181	181		67	67	x	x	x	x	x	x	
<i>Diachrysia chrysitis/tutti</i>				42	42							x	x	x	x	x	x	
<i>Macdunnoughia confusa</i>							3	3		8	8	x	x	x	x	1	x	
<i>Plusia festucae</i>	9	9		77	77		48	48		19	18	1	x	x	x	x	x	
<i>Plusia putnami</i>	1	1		19	19		15	15		8	8	x	x	x	x	x	x	
<i>Autographa macrogamma</i>												1	1	x	x	x	x	
<i>Autographa gamma</i>	64	46	18	170	163	7	181	177	4	80	79	1	x	x	x	x	x	

<i>Agrochola lota</i>	2	3	2	5	1	4	2	1	1	1	1	x	x	x	x	x	x
<i>Agrochola macilentus</i>	12	3	9	28	5	23	8	7	1	1	1	x	x	x	x	x	x
<i>Agrochola nitidus</i>																1	1
<i>Agrochola helvolus</i>	1822	300	1522	1188	703	485	686	639	47	47	46	x	x	x	x	x	x
<i>Agrochola litura</i>	4	2	2	9	2	7	5	5		x	x	x	x	x	x	x	x
<i>Eupsilia transversa</i>	20	4	16	115	3	112	158	20	138	6	5	x	x	x	x	x	x
<i>Conistra vaccinii</i>	125	2	123	343	12	331	67	34	33	19	18	x	x	x	x	x	x
<i>Conistra rubiginosa</i>				5	5					x		x	x	x	x	x	x
<i>Conistra rubiginea</i>	61	8	53	28	8	20	56	45	11	5	4	x	x	x	x	x	x
<i>Conistra erythrocephala</i>	1		1	3		3	2		2					2	2	x	x
<i>Brachionycha nubeculosa</i>	1		1														
<i>Dasypolia templi</i>	25	25		95	95		68	68		17	17	x	x	x	x	x	x
<i>Brachylomia viminalis</i>	26	16	10	29	16	13	9	8	1	1	1	x	x	x	x	x	x
<i>Lithomoia solidaginis</i>	61	25	36	120	49	71	33	33		6	6	x	x	x	x	x	x
<i>Lithophane hepatica</i>	23		23	41	5	36	24	14	10	1	1	x	x	x	x	x	x
<i>Lithophane ornithopus</i>				5	5		6	6				x	x	x	x	x	x
<i>Lithophane furcifera</i>	45	10	35	16	3	13	33	21	12	12	11	x	x	x	x	x	x
<i>Lithophane consocia</i>	20	2	18	26	7	19	3	2	1	4	3	x	x	x	x	x	x
<i>Xylena vetusta</i>	94	1	93	60	5	55	23	8	15	3	2	x	x	x	x	x	x
<i>Xylena excoleta</i>	1	1		1		1	2		2					2	2	x	x
<i>Allophyes oxyacantheae</i>	4	1	3	14	9	5	24	17	7	4	3	x	x	x	x	x	x
<i>Dichonia aprilina</i>	10	5	5	5	2	3	2	2		1	1	x	x	x	x	x	x
<i>Dryobotodes eremita</i>	3		3														
<i>Antitype chi</i>	71	29	42	74	57	17	139	138	1	54	53	x	x	x	x	x	x
<i>Ammoconia caecimacula</i>	102	14	88	329	146	183	104	92	12	15	14	x	x	x	x	x	x
<i>Polymixis polymita</i>	12		12	33	4	29	18	17	1	4	3	x	x	x	x	x	x
<i>Blepharita satura</i>	232	55	177	443	96	347	168	126	42	58	57	x	x	x	x	x	x
<i>Blepharita amica</i>												x	x	x	x	x	x
<i>Mniotype adusta</i>	3		3	8	2	6	1	1				x	x			x	x
<i>Apamea monoglypha</i>	3088	475	2613	453	145	308	587	496	91	114	114	x	x	x	x	x	x
<i>Apamea lithoxylaea</i>	86	2	84	83	1	82	23	12	11	2	2	x	x	x	x	x	x
<i>Apamea sublustris</i>	449	47	402	52	33	19	102	97	5	27	27	x	x	x	x	x	x
<i>Apamea crenata</i>	511	41	470	664	99	565	91	90	1	26	26	x	x	x	x	x	x
<i>Apamea lateritia</i>	439	157	282	107	78	29	120	119	1	13	13	x	x	x	x	x	x
<i>Apamea furva</i>	640	104	536	512	182	330	90	86	4	57	57	x	x	x	x	x	x
<i>Apamea rubrirena</i>							1	1				x					
<i>Apamea oblonga</i>												x	x	1	x	x	x
<i>Apamea remissa</i>	666	58	608	332	94	238	195	186	9	62	62	x	x	x	x	x	x
<i>Apamea unanimis</i>	69	5	64	125	6	119	7	6	1	6	6	x	x	x	x	x	x
<i>Apamea illyria</i>	6	3	3	12	10	2	28	27	1	18	18	x	x	x	x	x	x
<i>Apamea sordens</i>	211	2	209	137	114	23	82	81	1	76	76	x	x	x	x	x	x
<i>Apamea scolopacina</i>	86	86		14	4	10	3	2	1	4	4	x	x	x	x	x	x
<i>Apamea ophiogramma</i>	27	16	11	18	9	9	18	17	1	4	4	x	x	x	x	x	x
<i>Oligia strigilis</i>	1400	157	1243	444	129	315	88	83	5	62	62	x	x	x	x	x	x
<i>Oligia latruncula</i>	2731	126	2605	803	65	738	47	31	16	18	18	x	x	x	x	x	x
<i>Mesoligia furuncula</i>	49	24	25	55	44	11	75	74	1	26	26	x	x	x	x	x	x
<i>Mesoligia literosa</i>	144	33	111	144	34	110	27	25	2	10	10	x	x	x	x	x	x
<i>Mesapamea secalis/didyma</i>	2363	691	1672	348	105	243	398	392	6	27	26	1	x	x	x	x	x
<i>Mesapamea secalis</i>				93	93		4	4		31	31	x	x	x	x	x	x
<i>Mesapamea didyma</i>							5	5		61	61	x	x	x	x	x	x
<i>Mesapamea remmii</i>										2	2			1	1		
<i>Photedes captiuncula</i>															1/0	1/0	
<i>Photedes minima</i>	220	216	4	143	136	7	119	119		42	42	x	x	x	x	x	x

<i>Cryptocala chardinyi</i>																															
<i>Protolampra sobrina</i>	54	39	15		274	204	70	12	167	12	166	1	2	26	2	≤2	x	x	x	x	x	x	x	x	x						
<i>Peridroma saucia</i>																x	x	x	x	x	x	x	x	x							
<i>Actebia fennica</i>																x	x	1													
<i>Actebia praecox</i>																x															
<i>Euxoa recussa</i>	5	5			3	3		2	2		1	1		1	1	3	3														
<i>Euxoa nigricans</i>	12	11	1		8	7	1	16	16		2	2		x	x	2	x	x	x	x	x	x	x	x							
<i>Euxoa tritici</i>	3	3			9	9		16	16		1	1		x	x	x	x	x	x	x	x	x	x	x							
<i>Euxoa obelisca</i>	79	74	5		167	166	1	282	281	1	62	62		x	x	x	x	x	x	x	x	x	x	x							
<i>Euxoa cursoria</i>					1	1					x	x		x	x	x	x	x	x	x	x	x	x	x							
<i>Agrotis ipsilon</i>	67	1	66		66	7	59	40	6	34	3	2	1	x	x	x	x	x	x	x	x	x	x	x							
<i>Agrotis exclamationis</i>	264	77	187		44	40	4	130	130		23	23		x	x	x	x	x	x	x	x	x	x	x							
<i>Agrotis clavis</i>	37	10	27		14	12	2	19	17	2	4	4		x	x	x	x	x	x	x	x	x	x	x							
<i>Agrotis segetum</i>	2	2			6	2	4	10	10		2	1	1	x	x	x	x	x	x	x	x	x	x	x							
<i>Agrotis vestigialis</i>							1	1			x			x	x	x	x	x	x	x	x	x	x	x							
Number of species	408	378	235	14	471	440	245	7	456	444	182	2	410	400	66	120	436	398	70	207	345	2	462	424	210	27	413	395	165	1	19
Number of individuals	68017	32521	35496		97974	71772	26202		59089	57011	2078		19667	19594	71																

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