Butterflies & Moths of The Vercors

Naturetrek Tour Report

20 - 27 July 2016



Purple-edged Copper by Paul Richards



Scarce Black-neck by Paul Harmes



Toadflax Pug by Paul Harmes



Sloe Hairstreak by Paul Richards

Report and images compiled by Paul Harmes and Jessica Turner Photos by Tony Daniels, Paul Richards and Paul Harmes



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Tour Participants

Paul Harmes & Jessica Turner (leaders) with nine Naturetrek clients

Day 1

Wednesday 20th July

Travel London Heathrow to Lyon – La Chapelle en Vercors

Nine group members met with Jessica at London Heathrow Terminal 3 to catch the 6.40am British Airways flight BA360 to Lyon St. Exupery Airport. On our arrival, passport control and baggage reclaim were soon completed, before we made our way out to the arrivals area where Paul was waiting to greet us. While Jessica went off to collect her vehicle, we made our way out into the car park to where Paul's minibus was parked, and began loading our luggage. It was not too long before Jessica returned and, with luggage stowed, we boarded the vehicles for the journey down to the Vercors region.

We drove south-westwards on the A43 and A48 motorways, stopping for a light picnic lunch and a comfort break at the Aire Burcin service area. As we arrived our first butterflies were spotted: Scarce Swallowtail, a second-brood Map Butterfly, Red Admiral, Meadow Brown and Large White.

Leaving the service area, we moved on, leaving the motorway and driving westwards to Grenoble Isère Airport, where we made two stops to explore the area around it. At the first we found Common Blue, Gatekeeper, a fleeting glimpse of a Swallowtail and Small White. In the distance we also saw a male Montagu's Harrier, a young Short-toed Snake Eagle, Western Marsh Harrier and three Red-footed Falcons. Moths included Common Heath and Green Silver-lines for the macros and Common Plume, Brown Plume and the Crambid *Agriphila straminella*, for the micros. At the second location we recorded Small White butterfly and Bright Wave moth, as well as Goldfinch and Common Kestrel.

We now continued our journey up onto the Vercors plateau through St. Marcellin, where we paused for refreshments, and Pont en Royans, soon arriving in La Chapelle en Vercors at the comfortable and friendly Hotel Bellier, our base for the tour. Here we were met by our host's daughter, Sandra, who quickly allocated our rooms. At 6.45pm, we met in the bar, where Jessca and Paul briefly outlined the week ahead for us, before we sat down to dinner. After the meal, Paul set up the moth trap.

Day 2

Thursday 21st July

Font d'Urle - St. Jean en Royans

At 6.30am we met to examine the moth trap. The catch included Black Arches, Common Footman, Silver-Y, Uncertain and Rustic aggregates, Pine Hawk-moth, Rosy Footman and Mottled Beauty for the macros, and Rusty-dot Pearl, the Crambids *Agriphila straminella* and *Catoptria pinella*, the Tortrices *Rhyacionia pinicolana* and *Pseudargyrotoza conwagana*, and the Oecophorid *Crassa unitella* for the micros. In addition we also found the attractive Cream-spot Ladybird and some Summer Chafers.

Following a splendid breakfast, we made the short journey to Vassieux, where we visited the cemetery where the victims of a Nazi reprisal against the Resistance in 1944 are buried. A brief examination of the track side to the west revealed Marbled White, Essex Skipper and Meadow Brown, as well as the Blackthorn Aurora moth.

We continued on our way over the Col de la Chau, pausing briefly to examine a seepage spot where we added Great Banded Grayling, Great Sooty Satyr, Pearly Heath, Blue-spot Hairstreak and Apollo. We then completed our journey at the Font d'Urle (1500 metres), a ski station with limestone outcrops and meadows. Here we were soon finding Small Tortoiseshell, Almond-eyed Ringlet, Common Brassy Ringlet, Niobe Fritillary, Dark Green Fritillary, Scarce Copper, Cinquefoil Skipper and Small Heath butterflies. We were also well entertained by a flock of Alpine Chough, together with Northern Wheatear, Water Pipit and Alpine Marmot.

Leaving the Font d'Urle, we made the short hop into the Forêt de Lente for our lunch. Whilst Jessica and Paul set up the meal, the rest of us went to explore the woodland and clearings. There were no new butterfly or moth species, but Martagon Lily, Whorled Solomon's Seal and Yellow Bird's-nest were all seen.

After our meal we set off through the Route Combe Laval, a precipitous road down to St. Jean en Royans, where Jessica and Paul went off to do the week's picnic shopping, while the rest of the group explored a rather rough field. Here we found Gatekeeper, Speckled Wood [subsp. aegeria], Provençal Short-tailed Blue, Knapweed Fritillary, Common Blue and Clouded Yellow, before it was time to make our way back to La Chapelle for dinner.

Day 3 Friday 22nd July

Presles – Forêt Domaniale des Coulmes – Pont en Royans

Another early session at the moth trap was curtailed by heavy rain, so we sealed the trap and stored it in the cool of the hotel cellar.

Following breakfast, we left the hotel and drove through the tunnel of the Grand Goulets and down to St. Eulalie en Royans via the Petit Goulets, then north of Pont en Royans, where we turned and began to climb up towards the Route de Presles. This is a magnificent limestone cliff formation, overlooking the Commune de Châtelus and the valley of the River Bourne. We drove over the top of the ridge and on into the Forêt Domaniale des Coulmes, stopping at a quiet picnic area at Pétouze. As we approached our destination, a Black Woodpecker was seen darting in and out of the trees along the road, and flew over the the parking area, calling.

The sun was trying very hard to put in an appearance, as we set off to spend the morning in a meadow within the forest. Early butterflies included Arran Brown, Meadow Brown, Large Skipper and Silver-washed Fritillary. Shaded Broad-bar and the Crambid, *Pyrausta purpuralis* moths were also added. As the sun came out, more insects became active. High Brown Fritillary, Titania's Fritillary and Weaver's Fritillary were among them. As the morning progessed, Pearly Heath, False Heath Fritillary, Large Grizzled Skipper, Painted Lady, Wood White and Brown Argus, were added, together with Brown-line Bright-eye moth.

Returning to the picnic site at the Fontaine de Pétouze, Jessica and Paul prepared lunch. While they were doing so, some group members explored a small artificial pond, finding Blue Hawker dragonflies emerging.

We now moved back towards the high cliffs of the Route Presles, parking at the upper end of the cliffs, where we explored a scrubby, rough, grassy verge bank, finding Great Banded Grayling, Common Blue, Reverdin's Blue, Rock Grayling, Great Sooty Satyr and Pearly Heath butterflies, as well as Six-spot Burnet moth, a Longhorn Beetle and the red-and-black-striped Shield Bug. After spending half an hour or so exploring, we

drove on down towards Pont en Royans, where we stopped by the River Bourne to explore the river bank *Buddleja* vegetation for more butterflies and moths. We were not disappointed, seeing Scarce Swallowtail, Cleopatra, Silver-washed Fritillary, White-letter Hairstreak, Dark Green Fritillary, Dryad, Dingy Skipper, Brimstone, Lulwoth Skipper and Large Skipper butterflies. In addition, there was Humming-bird Hawk-moth, Burnet Companion, Praying Mantis, the Bush Cricket *Eupholidoptera chabrieri* and the occasional Hornet.

Moving into the town of Pont en Royans, we visited the Restaurant Picard and indulged ourselves from their extensive list of ice creams. The river gorge had Cleopatra, Scarce Swallowtail, Gatekeeper and Swallowtail butterflies and Black Redstart, but little else, mainly due to the activity of humans swimming and enjoying the sun.

We now drove back to La Chapelle en Vercors to examine the contents of the moth trap. Brimstone Moth, Sharp-angled Peacock, Black Arches [f. eremita], Gurnsey Underwing, Pine-tree Lappet, August Thorn and Marbled Clover represented the macros, and Bird-cherry Ermine, the Pyralid Synaphe punctalis, the Tortrix Epagoge gratiana and the Elachistid Agronopteryx nervosa, the micros.

Day 4

Saturday 23rd July

Col de la Battaille - Col de Bacchus - Gigors.

This morning's haul at the moth trap included the macros Beautiful Hook-tip, Clancy's Rustic, Oak Eggar, Dark Umber, Dark Sword-grass, Silver-Y, Dun-bar, Blair's Mocha and Brown Rustic. For the micros there were Box Tree Moth, the Tortrix *Celypha stiana* and the Crambids *Catoptria falsella* and *Chrysoteuchia culmella*.

Leaving La Chapelle en Vercors in thick mist, we travelled down towards the Col de la Machine then on over the Col de la Bataille towards the village of Leonçal, where the mist started to clear. Here, we turned left and headed south through La Vacherie, over the Col de Bacchus and through Plan de Baix. We turned right on the outskirts of Beaufort sur Gervanne, towards an area of open scrubby grazing land with marginal woodland near Gigors, parking in a pine grove. A recently mown hayfield, surrounded on three sides by woodland, proved very productive. Day-flying moths included Pale Shoulder, Latticed Heath and Bright Wave. Butterfly species were also numerous and diverse, with Spotted Fritillary, Common Blue, Clouded Yellow, Heath Fritillary, Pale Clouded Yellow, Gatekeeper, Darwin's Heath, Large White and Wood White among them.

After eating our picnic, we checked out a warm, sheltered gully, adding Queen of Spain Fritillary, Lulworth Skipper, Meleager's Blue, Sooty Copper and Burnet Companion. We now moved a couple of miles to an area of Lavender fields and arable margins. Here we found Great Banded Grayling, Rock Grayling, Small Heath, Adonis Blue, a female Spotted Fritillary and Scarce Swallowtail butterflies, with Spotted Sulphur and Latticed Heath moths.

We now began to make our way back to La Chapelle, making on last stop near the Col de la Bataille, initially to admire the view now the mist had lifted; we also expored a trackside adding Speckled Wood [subsp. aegeria], Wall Brown and Humming-bird Hawk-moth, before completing our journey back to the hotel.

Heavy evening rain meant that we did not set a moth trap.

Day 5

Sunday 24th July

Bois des Mûres - Route Forestale de Molière.

Leaving La Chapelle, in dull overcast weather, we made our way up to the north end of the Vercors plateau, passing through the spectacular Gorges de la Bourne on our way to Lans en Vercors and the forest of the Bois des Mûres. Here, in brightening skies, we checked out a roadside track margin. The Crambids *Mecyna lutealis* and *Udea lutealis* were slowly becoming active, as were Large Blue, Marbled White and Silver-washed Fritillary butterflies. There were also a number of Green Mountain Grasshoppers seen.

We now made our way up along the Route Forestière de Molière, on the way to Autrans. This small road passes through mixed woodland with open glades and meadows. First, we set up our picnic in a wide clearing. Here Marbled White and Silver-washed Fritillary were also becoming active as the day warmed up. We now moved to a second site, a wet, hillside meadow overlooking the valley. A female Chapman's Blue, Almond-eyed Ringlet, Wood White, Scarce Copper, Small Skipper, Olive Skipper and Chalkhill Blue were all seen here, as well as Thistle Ermine, Silver-Y, Shaded Broad-bar and Reticent Burnet moths. Along the adjacent lane verge we added Apollo, Large Wall Brown, Damon Blue, Small Tortoiseshell and Titania's Fritillary, as well as the Tortrices Celypha lacunana and Eucosma tripoliana, and Horehound Plume.

We now made our way back to the hotel for dinner.

Day 6

4

Monday 27th July

Reserve Naturelle des Hauts Plateaux du Vercors

Today's catch in the moth trap included Common and Scarce Footman, Barred Straw, Grey Arches, Shark, Knotgrass, Red Twin-spot Carpet, the unusual Langmaid's Yellow Underwing, Dot Moth, Green Arches and a Goat Moth for the macros, and the Tortrices Dark Fruit-tree, *Cydia splendana* and *Celypha striana*, the Crambids Small Magpie and *Catoptria pinella*, the Pyralid *Homosoma nebulella* and the Elachistid *Ethmia dodecea*, for the micros.

With the catch identified and breakfast complete, we left La Chapelle en Vercors and headed south through Vassieux and on down to the Col de Rousset, where, whilst enjoying the view, we recorded Humming-bird Hawk-moth.

We now travelled back to a point to the south of St. Agnan en Vercors before turning right and making our way up along the forest road to the Reserve Naturelle des Hauts Plateaux du Vercors, where we parked in the car park at La Coche. Along the way, we made a brief stop at a viewpoint for photos. Whilst we were here we saw Arran Brown and Large Wall Brown.

In bright sunshine we set off to explore the forest tracks and woodland clearings, and it was not long, less than 20 yards, before we made our first sighting: Large Ringlet. Black-veined White, Scarce Copper and False Heath Fritillary soon followed. For the moths, Chimney Sweeper, Six-spot Burnet and Silver-Y were not infrequent. As we progressed, Scotch Argus, Chapman's Blue, Dark Green Fritillary, Brown Argus, Apollo, Scarce Swallowtail, Swallowtail and Spotted Fritillary were added. Along the main track a small pile of horse droppings had Heath and False Heath Fritillaries, Large Blue, Provençal Short-tailed Blue and Chalkhill Blue on them. Returning to La Coche, we set up our picnic with some shade from the warm sun.

After lunch we tried our luck on the eastern side of the plateau, stopping in an area of boulder-strewn meadows and scrub. Here we added a new species for this tour, Sloe Hairstreak, as well as Mountain Argus, Mazarine Blue, Olive Skipper, Apollo and Small Tortoiseshell.

Our final stop of the day was on a quiet verge at Les Munières. Here we added another new species for the tour, Southern Small White, in addition to Wood White and Small Skipper, before returning to La Chapelle en Vercors.

Day 7

Tuesday 28th July

5

Pas de l'Oeille - Gorges de la Bourne

The final moth trap of the week produced Smokey Wainscot, Peppered Moth, Clay, Fan-foot, Tawny Speckled Pug, Heart and Dart, Cloaked Minor, Green Arches, Clancy's Rustic, Pretty Pinion and Purple Treble-bar for the macros. Micros included Willow Ermine, Larch Tortrix, the Tortrix Agapeta hamana and the Nut Bud Moth.

Today we made our way, once again, up through the Gorges de la Bourne to Villard de Lans. The principal objective was to make a day-long visit up towards the Pas de l'Oeille. We arrived at the low-level cable-car station at Le Balcon Côte 2000, and caught the 9.05am lift to L' Altitude 2000 upper station at 1,720 metres. We began to make our way up the well-signposted track, in light and initially fresh breeze; as we went we observed several small flocks of Citril Finch feeding, and a few Alpine Choughs. Insect life was just beginning to become active, as the sun put in an appearance. The first butterfly recorded was Common Brassy Ringlet, and this species proved to be the most numerous of the day. As we progressed we found Large Ringlet, Clouded Yellow and Small Tortoiseshell. The path to the Pas de l'Oeille was uneven, but not too difficult. Alpine Marmot occasionally uttered their distinctive whistles and by the end of the day we had all had clear views. Our first new species of the day was Geranium Argus, along with Large Blue, Mountain Clouded Yellow, and Purple-edged Copper, which, later in the day, obligingly sat posing on a grass stems for the photographers. As we moved higher, we added, Brown Argus, Arran Brown, False Heath Fritillary, Almond-eyed Ringlet, Mazarine Blue and Dingy Skipper. We stopped to eat our packed lunch in an area of broken limestone boulders, enjoying our picnic with the addition of stunning views.

It was not until we began to make our descent that we found our third target species, the rather dainty Mountain Ringlet, together with the day-flying moths Common Wave and Silver-Y. Additional birds included Northern Raven, Water Pipit, Coal Tit and Goldfinch. By now it was time to continue our descent back to the cable-car station for refreshments at the Café Altitude Côte 2000, before catching the 3pm cable car back down, to rejoin our vehicle.

We made a brief stop in the Gorges de la Bourne on the way back to the hotel. Here, we added White Admiral, Small White, Large Wall Brown and Speckled Wood [subsp. aegeria]. We completed our journey back to La Chapelle in time to pack, before dinner, for tomorrow's homeward journey.

Day 8

6

Wednesday 24th July

Lyon St. Exupery – London Heathrow.

Following a final splendid breakfast at 5am, and saying goodbye to Fabienne Bellier and her daughters, we set off, retracing our route through Pont en Royans to the A49 Motorway and north to Lyon St Exupery Airport in time for our British Airways flight BA363, back to Heathrow.

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Apollo - Tony Daniels

Species Lists

Butterflies (✓=recorded but not counted)

			July										
	Common name	Scientific name	20	21	22	23	24	25	26	27			
1	Swallowtail	Papilio machaon	✓	✓	✓	✓		✓	✓				
2	Scarce Swallowtail	Iphiclides podalirius	✓	✓	✓	✓		✓					
3	Apollo	Parnassius apollo		✓			✓	✓	✓				
4	Black-veined White	Aporia crataegi					✓	✓					
5	Large White	Pieris brassicae	✓	✓	✓	✓		✓	✓				
6	Small White	Pieris rapae	✓		✓	✓	✓	✓	✓				
7	Southern Small White	Pieris mannii						✓					
8	Mountain Clouded Yellow	Colias phicomone						✓	✓				
9	Pale Clouded Yellow	Colias hyale				✓							
10	Clouded Yellow	Colias crocea	✓	✓	✓	✓		✓	✓				
11	Berger's Clouded Yellow	Colias alfacariensis			✓			✓					
12	Brimstone	Gonepteryx rhamni	√	✓	✓	✓							
13	Cleopatra	Gonepteryx cleopatra		✓	✓								
14	Wood White	Leptidea sinapis			✓	✓	✓	✓					
15	Sloe Hairstreak	Satyrium acaciae						✓					
16	Blue-spot Hairstreak	Satyrium spini		✓									
17	White Letter Hairstreak	Satyrium w-album			✓								
18	Scarce Copper	Lycaena virguareae		✓	✓		✓	✓					
19	Sooty Copper	Lycaena tityrus				√			✓				
20	Purple-edged Copper	Lycaena hippothoe		✓					✓				
21	Provencal Short-tailed Blue	Cupido alcetas		✓				√					
22	Little Blue	Cupido minimus			✓		✓	√					
<u></u> 23	Large Blue	Phengaris arion			✓		✓	√	✓				
24	Silver-studded Blue	Plebejus argus			✓			√	✓				
25	Reverdin's Blue	Plebejus argyrognomon			✓								
26	Geranium Argus	Aricia eumedon							✓				
27	Brown Argus	Aricia agrestis		✓	/	✓	✓	√	✓				
28	Mountain Argus	Aricia artaxerxes					✓	√					
29	Mazarine Blue	Cyaniris semiargus		✓		✓	/	✓	/				
30	Damon Blue	Polyommatus damon					✓						
31	Chapman's Blue	Polyommatus thersites					✓	√					
32	Meleager's Blue	Polyommatus daphnis				✓							
33	Chalk-hill Blue	Polyommatus coridon					✓	√					
34	Adonis Blue	Polyommatus bellargus			✓	✓							
35	Common Blue	Polyommatus icarus	√	✓	✓	✓	✓	√	/				
36	Southern White Admiral	Limenitis reducta						✓					
37	White Admiral	Limenitis camilla							✓				
38	Peacock Butterfly	Aglais io		✓									
39	Red Admiral	Vanessa atalanta	/	,	✓			✓					
40	Painted Lady	Vanessa cardui		✓	· ✓	✓		✓	✓				
41	Small Tortoiseshell	Aglais urticae		· ·	<u> </u>	, ·	✓	· ✓	· ·				
42	Comma Butterfly	Polygonia c-album		_			ļ -	✓	<u> </u>				
42 43	Map Butterfly	Araschnia levana	✓					•					
43 44	Silver-washed Fritillary	Argynnis paphia			/		✓		✓				
44 45	Dark Green Fritillary	Argynnis papnia Argynnis aglaja		✓	✓			√	,				
45 46	-			•	V ✓			•		-			
	High Brown fritillary	Argynnis adippe		✓									
47	Niobe Fritillary	Argynnis niobe		, v		./							
48	Queen of Spain Fritillary	Issoria lathonia				✓							

			July							
	Common name	Scientific name	20	21	22	23	24	25	26	27
49	Pearl-bordered Fritillary	Boloria euphrosyne						✓		
50	Titania's Fritillary	Boloria titania			✓		✓	✓		
51	Weaver's Fritillary	Boloria dia			✓					
52	Knapweed Fritillary	Melitaea phoebe		✓						
53	Spotted Fritillary	Melitaea didyma				✓		✓		
54	False Heath Fritillary	Melitaea diamina		√	✓			✓	✓	
55	Heath Fritillary	Mellicta athalia		✓	✓		✓	✓		
56	Marbled White	Melanargia galathea	✓	✓	✓	✓	✓	✓	✓	
57	Rock Grayling	Hipparchia alcyone		✓		✓	✓			
58	Great Sooty Satyr	Satyrus ferula		√	✓					
59	Dryad	Minois dryas			✓					
60	Great Banded Grayling	Brintesia circe		√	✓	✓		√		
61	Arran Brown	Erebia ligea			✓	✓		√	✓	
62	Large Ringlet	Erebia euryale						√	✓	
63	Yellow-spotted Ringlet	Erebia manto							✓	
64	Mountain Ringlet	Erebia epiphron							✓	
65	Scotch Argus	Erebia aethiops		√				✓	✓	
66	Almond-eyed Ringlet	Erebia alberganus		√			✓	✓	✓	
67	Common Brassy Ringlet	Erebia cassioides		√				√	✓	
68	Bright-eyed Ringlet	Erebia oeme		√						
69	Piedmont Ringlet	Erebia meolans		√			✓	√	✓	
70	Meadow Brown	Maniola jurtina	✓	√	✓	✓	✓	✓		
71	Ringlet	Aphantopus hyperantus		√	✓	✓		√		
72	Gatekeeper	Pyronia tithonus	✓		✓	✓	✓	√		
73	Small Heath	Coenonympha pamphilus	✓	√	✓	✓	✓	✓		
74	Pearly Heath	Coenonympha arcania		√	✓		✓	√		
75	Darwin's Heath	C. gardetta f. darwiniana				✓				
76	Southern' Speckled Wood	Pararge aegeria aegeria	✓	√	✓	✓		√	✓	
77	Wall Brown	Lasiommata megera			✓	✓		√		
78	Large Wall Brown	Lasiommata maera					✓	✓	✓	
79	Grizzled Skipper	Pyrgus malvae						√		
80	Large Grizzled Skipper	Pyrgus alveus			✓					
81	Cinquefoil Skipper	Pyrgus cirsii		√		✓				
82	Olive Skipper	Pyrgus serratulae					✓	√		
83	Red-underwing Skipper	Spialia sertorius						√		
84	Mallow Skipper	Carcharodus alceae	✓			✓				
85	Dingy Skipper	Erynnis tages			✓	✓	✓			
86	Lulworth Skipper	Thymelicus acteon		✓		✓				
87	Essex Skipper	Thymelicus lineolus		✓	✓		✓	✓	✓	
88	Small Skipper	Thymelicus sylvestris		✓	✓	✓	✓	✓		
89	Large Skipper	Ochlodes sylvanus			✓			✓		

$Micro\ Moths\ (LM = Leaf\ Mines;\ T = Trap;\ F = Field;\ C = Caterpillar)$

1	Prunus Leaf-miner	Stigmella plagicolella			LM				
2	Horse-chestnut Leaf-miner	Cameraria ohridella			LM				
3	Adelid	Nemophora metallica				F			
4	Gracillariid	Gracillaria syringella						Т	
5	Bird-cherry Ermine	Yponomeuta evonymella	Т	Т	Т		Т	Т	
6	Willow Ermine	Yponomeuta rorrella						Т	
7	Yponomeutid	Zelleria hepariella		Т					
8	Yponomeutid	Paraswammerdamia nebulella		Т					

						Ju	ıly			
	Common name	Scientific name	20	21	22	23	24	25	26	27
9	Diamond-backed Moth	Plutella xylostella						Т		
10	Oecophorid	Crassa tinctella							Т	
11	Oecophorid	Crassa unitella		Т					Т	
12	Elachistid	Agonopterix nervosa			Т					
13	Elachistid	Ethmia dodecea						Т		
14	Coleophorid	Coleophora albitarsella		Т		Т				
15	Coleophorid	Colophorid sp.							Т	
16	Brown Plume	Stenoptilia pterodactyla	F	F	Т		F			
17	White Plume Moth	Pterophorus pentadactyla		F	F					
18	a Plume	Calyciphora nephelodactyla					F			
19	Common Plume	Emmelina monodactyla	F					Т		
20	an Epermeniid	Epermenia sp.			Т					
21	Tortrix	Agapeta hamana			Т				Т	
22	Tortrix	Pseudargyrotoza comwagana		Т						
23	Tortrix	Epagoge grotiana			Т					
24	Dark Fruit Tree Tortrix	Pandemis heparana						Т		
25	Tortrix	Celypha striana		Т	Т	Т		Т	Т	
26	Tortrix	Celypha lacunana					F			
27	Nut Bud Moth	Epinotia tenerana							Т	
28	Larch Tortrix	Zeiraphera griseana							T	
29	Tortrix	Eucosma tripoliana					F		•	
30	Tortrix	Notocelia cynosbatella					<u> </u>	Т		
31	Tortrix	Rhyacionia pinicolana		Т				'		
32	Beech Moth	Cydia fagiglandana		'					Т	-
33	Tortrix	Cydia splendana						Т	T	-
34	Tortrix	Cydia pomonella						T	'	-
35	Pyralid	Synaphe punctalis		Т	Т	Т			Т	-
36	Pyralid	Dioryctria abietella		1	1	'		-	T	-
37	Pyralid	Dioryctria sp.			Т			Т	1	-
	-	Acrobasis advenella			1			-	Т	-
38	Pyralid Thiatle France						_		ı	-
39	Thistle Ermine	Myelois circumvoluta			Т		F			-
40	Pyralid	Assara terebrella			I			Т		-
41	Pyralid	Homoeosoma nebulella						-	_	-
42	Pyralid	Homoeosoma sinuella		F					Т	-
43	Crambid	Scoparia pyralella		Т						-
44	Crambid	Eudonia lacustrata				_		T		-
45	Box Tree Moth	Cydalima perspectalis				Т		T		-
46	Box Tree Moth [Dark form]	Cydalima perspectalis						T		-
47	Garden Grass Veneer	Chrysoteuchia culmella	F	T	T	T	_	T		<u> </u>
48	Crambid	Agriphila straminella	F	Т	Т	Т	F	Т	T	-
49	Crambid	Catoptria pyramidellus							F	<u> </u>
50	Crambid	Catoptria pinella		T				T	Т	
51	Crambid	Catoptria falsella		Т	Т	Т		Т		<u> </u>
52	Crambid	Pyrausta coracinalis					F			<u> </u>
53	Crambid	Pyrausta purpuralis			F					<u> </u>
54	Crambid	Sitochroa verticalis					F			
55	Small Magpie	Anania hortulata		Т				Т		
56	Crambid	Anania crocealis			Т					
57	Crambid	Udea lutealis					F			
58	Rusty-dot Pearl	Udea ferrugalis		Т		Т		Т	Т	
59	Crambid	Palpeta vitrealis		Т	Т					

						Ju	ly			
	Common name	Scientific name	20	21	22	23	24	25	26	27
60	Rush Veneer	Nomophila noctuella								

Macro Moths

IVIa	cro Moths									
1	Goat Moth	Cossus cossus						Т		
2	Blackthorn Aurora Moth	Rhagades pruni		F						
3	Six-spot Burnet	Zygaena filipendulae		F	F			F		
4	Five-spot Burnet	Zygaena trifolii			F		F			
5	Chalk Burnet	Zygaena fausta				F				
6	Reticent Burnet	Zygaena romeo					F			
7	Oak Eggar	Lasiocampa quercus		Т		Т				
8	Pine-tree Lappet	Dendrolimus pini			Т					
9	Large Emerald	Geometra papilionaria		Т						
10	Blair's Mocha	Cylophora puppillaria				Т				
11	Middle Lace Border	Scopula decorata				F				
12	Tawny Wave	Scopula rubiginata				F				
13	Orange Wave	Idaea flaveolaria			F					
14	Riband Wave	Idaea aversata f. remutata		Т	Т	Т		Т		
15	Bright Wave	Idaea ochrata cantiata	F		F	F				
16	Ochraceous Wave	Idaea serpentata	F		Т	F	F			
17	Small Fan-footed Wave	Idaea biselata				Т				
18	Single-dotted Wave	Idaea dimidiata		Т	Т	Т				
19	Purple-barred Yellow	Idaea purpuraria				F				
20	Red Twin-spot Carpet	Xanthorhoe spadicearia						Т	Т	
21	Silver-ground Carpet	Xanthorhoe montanata					F			
22	Shaded Broad-bar	Scotopteryx chenopodiata		F	T/F	T/F	F	T/F	T/F	
23	Purple Bar	Cosmorhoe ocellata				Т				
24	Barred Straw	Eulithis mellinata			Т			Т		
25	Barred Yellow	Cidaria fulvata		Т						
26	Green Carpet	Colostygia pectinataria			Т					
27	July Highflyer	Hydriomena furcata		Т						
28	Dark Umber	Philereme transversata				Т				
29	Geometrid	Mesotype verberata							F	
30	Pretty Pinion	Perizoma blandiata							Т	
31	Toadflax Pug	Eupithecia linariata				Т		Т		
32	Tawny Speckled Pug	Eupithecia icterata		Т					Т	
33	Thyme Pug	Eupithecia distinctaria				Т				
34	Double-striped Pug	Gymnoscelis rufifasciata						Т		
35	Treble-bar	Aplocera plagiata		F					Т	
36	Purple Treble-bar	Aplocera praeformata							Т	
37	Chimney Sweeper	Odezia atrata						F		
38	Drab Looper	Minoa murinata		F						
39	Sharp-angled Peacock	Macaria alternata			Т	Т				
40	Latticed Heath	Chiasmia clathrata clathrata		Т	T	F	F	F		
41	Brimstone Moth	Opisthograptis luteolata		Т	Т	Т				
42	August Thorn	Ennomos quercinaria			T					
43	Swallow-tailed Moth	Ourapteryx sambucaria						F		
44	Peppered Moth	Biston betularia							Т	
45	Willow Beauty	Peribatodes rhomboidaria		Т	Т			Т	<u> </u>	
46	Mottled Beauty	Alcis repandata		T				T	Т	
47	Mottled Beauty	Alcis repandata f. conversaria						Т		
48	Geometrid	Peribatodes secundaria							Т	
		attatata adamana								

						Ju	ıly			
	Common name	Scientific name	20	21	22	23	24	25	26	27
49	Common Heath	Ematurga atomaria atomaria	F	F						
50	Common Wave	Cabera exanthemata						Т	F	
51	Barred Red [Green forme]	Hylaea fasciata f. prasinaria		Т						
52	Annulet type	Charissa onustaria			Т					
53	Annulet type	Charissa abiguata			Т					
54	Yellow Banded	Psodos quadrifaria							F	
55	Pine Hawk-moth	Hyloicus pinasti		Т	Т					
56	Hummingbird Hawk-moth	Macroglossum stellatarum		F	F	F		F		
57	Pine Processionary Moth	Thaumetopoea pityocampa			Т					
58	Black Arches	Lymantria monacha			Т					
59	Black Arches	Lymantria monacha f. eremita		Т						
60	Rosy Footman	Miltochrista miniata		Т						
61	Dingy Footman	Eilema griseola		Т						
62	Scarce Footman	Eilema complana		-		Т		Т	Т	
63	Common Footman	Eilema lurideola		Т	Т			T	T	
64	Buff Footman	Eilema depressa		<u> </u>		Т			<u> </u>	
65	Four-spotted Footman	Lithosia quadra				T				
66	Wood Tiger	Parasemia plantaginis				'		F		
67	Handmaid	Dysauxes ancilla						T		-
68	Heart and Dart	Agrotis exclamationis		Т	Т	Т		T	Т	-
69				'	'	T		_'_	'	-
	Dark Sword-grass	Agrotis ipsilon				ı				
70	Large Yellow Underwing	Noctua pronuba			T					-
71	Broad-bordered Y U	Noctua fimbriata			Т			_		-
72	Langmaid's Yellow Underwing	Noctua janthina		_	-			Т		-
73	Lesser Broad-bordered Y U	Noctua janthe		Т	T					-
74	Setaceus Hebrew Character	Xestia c-nigrum			Т					-
75	Green Arches	Anaplectoides prasina							Т	-
76	Grey Arches	Polia nebulosa						T		-
77	Dot Moth	Melanchra persicariae		Т	Т			Т	Т	-
78	Beautiful Brocade	Lacanobia contigua						Т		
79	Pale-shouldered Brocade	Lacanobia thalassina						Т		
80	Brown-line Bright-eye	Mythimna conigera		T/F	T/F	Т		Т	Т	ļ
81	Clay	Mythimna ferrago						Т	Т	
82	Smokey Wainscot	Mythimna impura							Т	
83	Shark	Cucullia umbratica		Т				Т	Т	
84	Striped Lychnis	Shargacucullia lychnitis						С		
85	Water Betony	Shargacucullia scrophulariae					С			
86	Sycamore	Acronicta aceris				Т				
87	Grey Daggar	Acronicta psi			T					
88	Knot Grass	Acronicta rumicis						Т		
89	Tree-lichen Beauty	Cryphia algae							Т	
90	Brown Rustic	Rusina ferruginea				Т				
91	Guernsey Underwing	Polyphaenis sericata			Т	Т		Т		
92	Dingy Shears	Parastichtis ypsillon						Т		
93	Dun-bar	Cosmia trapezina						Т	T/F	
94	Dark Arches	Apamea monoglypha			Т			Т	Т	
95	Reddish Light Arches	Apamea sublustris				Т				
96	Clouded Brindle	Apamea epomidion							Т	
97	Dusky Brocade	Apamea remissa							T	
98	Marbled Minor agg.	Oligia strigilis		Т	Т	Т			T	
99	Cloaked Minor	Mesologia furuncula		·	<u> </u>	<u> </u>			T	

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Honey Bee

White-tailed Bumblebee

Buff-tailed Bumblebee

Red-tailed Bumblebee

Common Carder Bee

	Common name	Scientific name	20	21	22	23	24	25	26	27
100	Uncertain	Hoplodrina alsines		Т	Т	Т		Т	Т	
101	Rustic	Hoplodrina blanda		Т	Т	Т		Т	Т	
102	Clancy's Rustic	Caradrina kadenii		Т		Т		Т		
103	Small Mottled Willow	Paradrina clavipalpis						Т		
104	Bordered Sallow	Pyrrhia umbra				Т				
105	Scarce Bordered Straw	Helicoverpa armigera		Т						
106	Marbled Clover	Heliothis viriplaca			Т	Т				
107	Bordered Straw	Heliothis peltigera			T/F	F				
108	Spotted Sulphur	Emmelia trabealis	F	F		F				
109	Pale Shoulder	Acontia lucida				F				
110	Green Silver-lines	Pseudoips prasinaria	F							
111	Silver Y	Autographa gamma		Т	T/F		F	T/F	Т	
112	Spectacle	Abrostola tripartita				Т				
113	Mother Shipton	Callistege mi			F					
114	Burnet Companion	Euclidia giyphica			F		F	F		
115	Scarce Blackneck	Lygephila craccae				Т				
116	Small Purple-barred	Phytometra viridaria		Т						
117	Beautiful Hook-tip	Laspeyria flexula		-		Т				
118	Fan-foot	Zanclognatha tarsipennalis		F					Т	
	er Invertebrates (H = Heard;				1	l				
1	Blue Hawker	Aeshna cyanea			✓				✓	
2	Brilliant Emerald	Somatochlora metalica	✓							
3	Keeled Skimmer	Orthetrum coerulescens				✓				
4	Green Mountain Grasshopper	Miramella alpina		✓			√	✓		
5	Red-winged Grasshopper	Oedipoda germanica						✓		
6	Great Green Bush-cricket	Tettigonia viridissima	✓			✓	√	✓		
7	Sword-tailed Bush-cricket	Polysarcus denticauda		√						
8	Bush-cricket	Eupholdidoptera chabrieri			✓					
9	Field Cricket	Gryllus campestris		Н		✓				
10	Praying Mantis	Mantis religiosa			✓					
11	a Shield Bug	Graphosoma lineata		✓	✓					
12	Forest Bug	Pentatoma rufipes		√		Т		Т	Т	
13	Black-shouldered Shield Bug	Carpocoris purpureipennis				· ✓				
14	Gendarme Bug	Lydaeus equestris		✓						
15	Mirid Bug	Calocoris roseomaculatus						√		
16	Cicada	Tibicen plebejus			Н	✓				
17	Green Lacewing	Chrysopa perla			ļ				Т	
18	Scorpion-fly	Panorpa meridionalis		✓					'	
19	a Horse Fly	Tabanus sp.			✓					
20	Cleg-fly	Haematopota pluvialis		✓	,					
21	Pellucid Hover-fly	Volucella pellucens					✓			
22	Sawfly	Tenthredo notha					✓			
23	Ichneumon Wasp			Т	Т			Т	Т	
23	Wood Ant	Ophion luteus Formica rufa		I	I ✓	✓	✓			
				Т		,	+	_	Т	
25	Common Wasp	Vespula vulgaris		ı	✓				I	-
26	Hornet	Vespa crabro			V					

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Apis millifera

Bombus lucorum

Bombus terrestris

Bombus lapidarius

Bombus pascuorum

✓

✓

✓

✓

✓

✓

						ıly				
	Common name	Scientific name	20	21	22	23	24	25	26	27
32	Burying Beetle	Necrodes littoralis				Т				
33	a Chafer	Hoplia argentea							✓	
34	Bee Beetle	Trichius fasciatus			✓				✓	
35	Rose Chafer	Cetonia aurea		✓	✓		✓	✓		
36	a Chafer	Cetonia cuprea						✓	✓	
37	Summer Chafer	Amphimallon solstitialis		Т	Т			Т	Т	
38	Click Beetle	Ampedus sanguineus			✓					
39	Soldier Beetle	Cantharis rustica		Т	Т		✓	✓	Т	
40	Soldier Beetle	Trichodes apiarius		✓						
41	Glow-worm	Lampyris noctiluca		✓	✓	✓		✓		
42	Seven-spot Ladybird	Coccinella 7-punctata	✓		Т			✓	✓	
43	Eyed Ladybird	Anatis ocellata			Т					
44	Ten-spot Ladybird	Adalia 10-punctata		Т						
45	Cream-spot Ladybird	Calvia 14-guttata		Т	Т	Т				
46	Harlequin Ladybird	Harmonia axyridis		Т	Т			Т	Т	
47	Longhorn Beetle	Strangalia maculata			✓		✓		✓	
48	Longhorn Beetle	Pachyta quadrimaculata			✓		✓			
49	Longhorn Beetle	Leptura 6-guttata							✓	
50	Longhorn Beetle	Stenopteris rufus rufus		✓	✓			√	✓	
51	Araneidae sp.	Zilla diodea				✓				
52	Crab Spider	Misumena vatia		✓	✓	√		√	✓	
53	Wasp Spider	Agriope bruennichi				✓				
54	Nursery-web Spider	Pisaura mirabilis				✓				
	luscs									
		A viola atom			✓	I			Ι	T
1	Large Black Slug	Arion ater			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	✓	✓			
2	Roman Snail	Helix pomatia		✓		V	✓			
3	Garden Snail	Cornu aspersum		V		V	V			
Bird										
1	Mute Swan	Cygnus olor	✓							
2	Egyptian Vulture	Neophron percnopteris					✓			
3	Griffon Vulture	Gyps fulvus		✓						
4	Short-toed Snake Eagle	Circaetus gallicus	✓			✓				
5	Golden Eagle	Aquila chrysaetos		✓					✓	
6	Eurasian Sparrowhawk	Accipiter nisus	✓							
7	Western Marsh Harrier	Circus aeruginosus	✓							
8	Montagu's Harrier	Circus pygargus	✓							
9	Black Kite	Milvis migrans								
10	Common Buzzard	Buteo buteo	✓	✓	✓		Н	✓	✓	
11	Rock Dove [Feral]	Columba livia feral	✓		✓	✓	✓	✓	✓	
12	Common Wood Pigeon	Columba palumbus	✓		✓	✓	✓	✓	✓	
13	Eurasian Collared Dove	Streptopelia decaocto	✓			✓				
14	Tawny Owl	Strix aluco							Н	
15	Alpine Swift	Tachymarptis melba	✓	✓					✓	
16	Common Swift	Apus apus	✓		✓	✓	✓	✓	✓	
17	Great-spotted Woodpecker	Dendrocopus major			✓					
18	Black Woodpecker	Dryocopus martius			✓					
19	European Green Woodpecker	Picus viridis			Н	Н	Н			
20	Grey-headed Woodpecker	Picus canus			Н			Н		
21	Common Kestrel	Falco tinnunculus	✓			✓		✓	✓	
22	Red-footed Falcon	Falco vespertinus	✓							
	Red-backed Shrike	Lanius collurio			_	✓	_			_

						Ju	ıly			
	Common name	Scientific name	20	21	22	23	24	25	26	27
24	Eurasian Jay	Garrulus glandarius			✓	✓			Н	
25	Eurasian Magpie	Pica pica	✓			Н	✓	✓	✓	
26	Alpine Chough	Pyrrhocorax graculus		✓					✓	
27	Carrion Crow	Corvus corone	✓		✓	✓	✓	✓	✓	
28	Northern Raven	Corvus corax							✓	
29	Coal Tit	Periparus ater			Н			✓	✓	
30	Eurasian Blue Tit	Cyanistes caeruleus					Н			
31	Great Tit	Parus major	Н		✓	✓	✓	√		\top
32	Eurasian Skylark	Alauda arvensis				Н				\top
33	Barn Swallow	Hirundo rustica	✓	✓	✓	✓	√	√	✓	
34	Common House Martin	Delichon urbicum	√		√	√	✓	√	✓	
35	Common Chiffchaff	Phylloscopus collybita			Н	Н		Н		\vdash
36	Common Grasshopper Warbler	Locustella naevia						Н		
37	Eurasian Blackcap	Sylvia atricapilla	Н	Н	Н	Н	Н	Н	Н	+
38	Common Firecrest	Regulus ignicapilla			1		✓ · · ·	✓	ļ	\vdash
39	Eurasian Wren	Troglodytes troglodytes		Н	Н	Н	Н	Н		
40	Common Starling	Sturnus vulgaris	/		''	√	- ' '	- ' '		_
41	Common Blackbird	Turdus merula	· /	✓	✓	· ✓	✓	-	/	_
42	Mistle Thrush	Turdus riierula Turdus viscivorus		_	<u> </u>	· ·	•	•		+
43	European Robin	Erithacus rubecula				, ·		✓		-
43	Black Redstart	Phoenicurus ochruros	✓	/	/	/	/	✓		_
			V	V	V	V	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V	· ·	-
45	European Stonechat	Saxicola rubicola	V	/						-
46	Northern Wheatear	Oenanthe oenanthe	─	V	/	✓	✓	✓	✓	-
47	House Sparrow	Passer domesticus	· ·	V	· ·		∨	∨	✓ ✓	-
48	Grey Wagtail	Motacilla cinerea				✓	· ·		<u> </u>	-
49	White Wagtail	Motacilla alba			✓	✓	✓	✓	✓	_
50	Water Pipit	Anthus spinoletta		✓					✓	
51	Common Chaffinch	Fringilla coelebs	✓	✓	Н	✓	Н	√	✓	_
52	Eurasian Bullfinch	Pyrrhula pyrrhula						✓		<u> </u>
53	European Greenfinch	Chloris chloris	H	Н				Н		<u> </u>
54	European Goldfinch	Carduelis carduelis	H	✓	✓	✓	√	Н	✓	_
55	Citril Finch	Carduelis citrinella							✓	<u> </u>
56	European Serin	Serinus serinus			Н		Н	Н	Н	
57	Yellowhammer	Emberiza citrinella				✓				
58	Common Reed Bunting	Emberiza schoeniclus								
Mar	mmals									
1	Common Pipistrelle Bat	Pipistrellus pipistrellus	✓	✓	✓	✓	✓	✓	✓	Τ
2	Stoat	Mustela erminea				✓		✓		
3	European Roe Deer	Capreolus capreolus	✓		✓				✓	
4	Alpine Ibex	Capra ibex							✓	
5	Alpine Chamois	Rupicapra rupicapra							✓	+
6	Mouflon	Ovis musimon							· ·	_
7	Alpine Marmot	Marmota marmota		✓					✓	
8	Brown Hare	Lepus capensis		_				✓	<u> </u>	-
9	Bank Vole	Clethrionomys glareolus	✓							-
	Snow Vole	Chionomys nivalis							/	-
10	I.	GHIOHOHIYS HIVAIIS								
	ptiles	I								
1	Common Lizard	Zootoca vivipara		✓						
2	Common Wall Lizard	Podarcis muralis			✓					