

Bulgaria's Dragonflies

Naturetrek Tour Report

29 June – 7 July 2013



Bulgarian Emerald (*Somatochlora borisi*)



Black Pennant (*Selisiothemis nigra*)



Eastern Spectre (*Caliaeschna microstigma*)



The 2013 Naturetrek Group at Kresna

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small, family-run hotel in the picturesque, historic village of Koprivshitsa, in good time to relax before a splendid Bulgarian dinner.

Day 2

Sunday 30th June

Morning cloudy with occasional rain, afternoon mainly sunny; maximum 23°C

The overnight rain had stopped next morning in time for a pre-breakfast walk. We took in the relatively cool morning air together with a sense of going back a century in time. The rustic nature of Koprivshitsa was very apparent as horse-drawn carts passed by, no doubt travelling out to fields on the slopes of the Sredna Gora Mountains. The water level in the Topolnica River was high, so Dippers and Grey Wagtails had to perch on higher artefacts; one Dipper even perched on a thick cable. The riverside trees held Redstart, Black Redstart, Spotted Flycatcher, Bullfinches and, unusually, some Siskins. A Black Stork and several Ravens and Crossbills flew over, Serins sang from rooftops, a Wheatear foraged amongst some rubble and White Storks had young in their nest.

We left after a hearty breakfast, hoping that the rain would hold off – it was forecast to be heading south-west, the same direction as us. Thankfully, we managed to keep just ahead of it! We had a long journey to the Eastern Rhodope, but stopped regularly en route, first for a White Stork nest and its Spanish Sparrow tenants. Golden Orioles eventually showed themselves nearby, while still-cool Banded Demoiselle and Blue Featherleg remained still next to a stream for the photographers. Another stop at a small reservoir proved still too cool and cloudy for dragonflies; a Little Bittern called frequently but refused to show itself.

We arrived before lunch at the large Maritza River (known as the Evros when it reaches Greece) near Mirovo, where we scoured areas sheltered from the wind for dragonflies. Before having a picnic lunch by the river, we managed to locate River Clubtail and Green Snaketail, both scarce species. There were also Small Pincertails, including a recent emerger that some saw take its maiden flight. Later, a Levant Sparrowhawk flew over, while Syrian Woodpecker, Bee-eaters, Large Copper and a scruffy Tufted Marbled Skipper were added to our list.

We stopped twice more in the afternoon, first at Susam Reservoir, where the wind made dragonflies hard to find, although we did see two Woodchat Shrikes. A final stop at a tiny reservoir yielded Robust Spreadwings, raising our total to 18 species: not a great start, due to the weather, but from hereon the weather and our list improved greatly!

Day 3

Monday 1st July

Hot and sunny; maximum 30°C

Most of the group headed out from our hotel in Krumovgrad to the banks of the Krumovitzta River before breakfast. Little Ringed Plovers had young on the river gravel, Crag Martins were nesting under the road bridge and both Syrian and Lesser Spotted Woodpeckers showed well.

Later we headed towards the Greek border at the Deimin Dere River, where the Bulgarian Emerald was first discovered as recently as 1999. A walk up the valley took us past Sloe Hairstreak, Cirl Buntings and fresh horse dung heaving with scarab beetles to a wooded section of the river, over which Honey Buzzard and Hobby were seen. Making our way carefully down the rocky banks, we positioned ourselves ready for the emeralds to show. A few emeralds took up territory in this shaded section of the river, but all of them proved to be Balkan: July is theoretically too late for Bulgarian Emerald here.

On the way back, Dancho found an Eastern Willow Spreadwing. We picnicked by the road bridge, close to which was a (dying?) Common Clubtail. After a brief stop to photograph another White Stork nest full of chicks, we drove on a short distance towards Gugutka. Here a track took us to a tiny reservoir which held Dainty Bluets, Small Redeyes and a recently-emerged Common Winter Damselfly, plus a good variety of skimmers and darter and several Balkan Terrapins. Nearby was a small wooded stream with a constant flow of patrolling Eastern Spectres; a newly-emerged female was found and then a male was caught, allowing us to appreciate their attractive though complex colour schemes. Unfortunately, the patrolling Turkish Goldenrings evaded capture, but we had all seen one perched earlier. A Balkan Emerald hovered persistently in a sunny spot, giving exceptionally good chances for flight photographs. The meadow was full of butterflies, including Long-tailed Blue, Sandy Grizzled Skipper, Southern White Admiral and Camberwell Beauty.

The final dragonfly site for the day was a reservoir near Zhelezhari. Here we located a Blue-eye and Ruddy, Southern and Red-veined Darters. The journey back to Krumovgrad was enlightened by a minibus-halting 'Western Chunky Bush-cricket'. It certainly lived up to its name, being 8cm long and built like a tank!

Day 4

Tuesday 2nd July

Hot and sunny; maximum 30°C

The highlight of another pre-breakfast walk was a very obliging family of Lesser Grey Shrikes. We spent the first part of the morning in a spectacular valley near Dolna Kula, where Griffon Vultures, Levant Sparrowhawk, Hobbies and Rollers entertained us overhead, while Subalpine Warbler, Spur-thighed Tortoise, Little Tiger Blue, White-fronted Wart-biter and lots of other insects were found. Around Potonitchza we saw an Egyptian Vulture and rooftop Little Owls, while a stop to photograph Black-headed Bunting also produced Woodlark and Orphean Warblers.

Our main destination today was the Valchi Dol reserve, near Studen Kladenetz, where we had lunch at a picnic table next to a shady stream. It was towards the end of the season for the strange Odalisque damselfly and its usual area was mostly dry. However, we did manage to find a few, while Dancho found many more well 'upstream' and one even sat above our picnic table as we ate. Eastern Spectres also patrolled the shady stream here. An Eastern Festoon flew past, Booted Eagle soared over and Nel found the huge, 11cm-long *Saga natoliae*, a predatory bush-cricket, walking through short grass.

In the afternoon we stopped first by the Arda River dam ('only' a Black-eared Wheatear here) and then at a small reservoir near Golobradovo, where a Lesser Spotted Eagle lifted off and circled as we arrived.

Good numbers of dragonflies were present, including several Lesser Emperors and lots of White-tailed Skimmers and Scarlet Darters. On the way back to Krumovgrad, those awake in the front of the minibus saw a Stone Marten run across the road. After dinner, the town seemed to echo with calling Scops Owls, although getting a good view of one proved difficult.

Day 5

Wednesday 3rd July

Hot and sunny, clouding over by late afternoon; maximum 30°C

Today we moved from the hot Eastern Rhodope to the higher, cooler Western Rhodope Mountains. We stopped en route at a small river near Plazishte, which proved a little disappointing until, after a detailed examination of its ovipositor, a female Willow Spreadwing proved to be Western. A flighty Eastern Festoon kept us active until a dragonfly dunked itself briefly in the water and virtually flew straight into Dave's net. It was an old female, with only three wings remaining, but it soon sank in that it was a Bulgarian Emerald. A photographic melee ensued! Amazingly, Dave had caught a male here in 2009, making this only about the sixth and westernmost location known for this highly localised species. As we finally dragged ourselves away, a few Ornate Bluets were found beside a small stream.

Lunch was taken in a shady bus shelter next to what proved to be a very interesting bend in the road (sadly, the adjacent bar was closed!). Butterflies quickly caught our eye, with Scarce Copper and five species of fritillary, but then dragonflies appeared. Both Blue-eyed Hawker (a blue form female) and Sombre Goldenring were caught for all to see well.

When we reached the high Smolyan Lake it was clear that Spearhead Bluets were present in good numbers in the sedges. Four-spotted Chasers and Downy Emeralds were also on territory until the sun went in and hawkers were emerging, mostly Blue but also Moorland. The water level in the lower lake nearby was very low, but several teneral Yellow-winged Darters were found and more Downy Emeralds seen. Crested Tits showed in the surrounding conifers, but the loud drumming of a Black Woodpecker came from much further away.

Finally, we made our way to the luxurious Orlovo Gnezda (Eagle's Nest) hotel in Gela, situated amid rolling meadows. After dinner, Corncrakes were heard 'craking' and Fireflies flashed as they flew by.

Day 6

Thursday 4th July

Hot and sunny; maximum 33°C

An hour's walk through the meadows before breakfast produced Marsh Fritillary, Large Wall Brown and Chimney Sweeper moths, but none of the Corncrakes would show itself. Pallid Swifts chased each other overhead while we loaded up the minibus. The morning was spent at the spectacular Trigrad Gorge, though we stopped briefly on the way to marvel at the aerobatics of Alpine Swifts at a close roadside colony. A walk along a side valley from the bottom of the gorge produced several butterflies of interest, including Wood White, Blue-spot Hairstreak, Scarce Copper, Poplar Admiral, Heath Fritillary, Pearly Heath, Eastern Rock Grayling, Arran Brown and other unidentified *Erebia* species.

Several dragonflies foraging overhead were probably Migrant Hawkers, but we couldn't confirm the ID (were they our 48th species?). We then drove up nearly to the top of the gorge, where after a short wait the male Wallcreeper appeared and gradually moved closer to us, ending up on the rock face in front of us surrounded by the endemic plant *Haberlea rhodopensis*. Some of the group opted to enter the 'Devil's Throat' cave, renowned for its colony of Schreiber's Bat and other species. Meanwhile, the rest of the group found Red Helleborine growing on the roadside.

We drove just above the gorge to a restaurant which served a lovely lunch of trout and chips. Checking the adjacent meadow produced the hoped-for Apollo, plus Alcon and Mazarine Blues, Pearl-bordered Fritillary and Ascalaphids. Then we made our way back down the gorge and continued our journey to Dospat. We stopped at a small stream near Borino to look for Balkan Goldenring. After catching a patrolling male to confirm its identity, we then found a female egg-laying: we had close views as she bounced repeatedly into the stream, noting that her long ovipositor made her the longest of Europe's dragonflies. Stone Crayfish were watched as they swam around beneath us.

Our final stop for the day was by a picturesque Roman bridge over the Sarnena River, where the floodplain includes a reedy lake and extensive seasonal wetland. Several Downy Emeralds were around the lake and a female was watched egg-laying. An emerging Southern Hawker and Balkan Coppers were also seen. An Ortolan Bunting sang nearby. We arrived at Dabrash Hotel, near Dospat, in good time for a hearty dinner and a good sample of the local beverages.

Day 7

Friday 5th July

Mainly hot and sunny, with some cloud early afternoon; maximum 37°C

A walk around the hotel grounds before breakfast produced Rock Bunting, Crested Tits, Crossbills and Pallid Swifts, and then we continued our journey westwards towards the Pirin Mountains. We stopped first near the Mesta River to look at some flooded gravel workings stocked with fish. Dainty Bluet, Green-eyed Hawker, Downy Emerald, Blue Chaser and lots of Broad Scarlets were notable among a range of common dragonflies, but pride of place went to Little Bitterns, which were very active (presumably collecting food for young). Eventually, we watched one male creep towards the end of some reeds, only to plunge bodily into the water... without success! Two Whiskered Terns were also fishing over the lake.

At Papaz Tchair, Bulgaria's largest area of peat bog, in the lower part of the Pirin Mountains, we made our way down to a stream where Balkan Goldenring was flying. Just as the sun was about to go in, an emerald dragonfly flew back and forth along the stream: from the altitude and known distribution, it had to be a Brilliant Emerald and therefore our 50th species. Willow Tits and a Nutcracker were also seen and a Grey-headed Woodpecker called distantly. Next stop was what proved to be a quick look near the Pirinska Bistritza River near Katuntzi: the area was dry! Two confusing skippers here turned out to be Oberthür's Grizzled and a Marbled-type. Our final stop on the way to Melnik was further along the Pirinska Bistritza River and very close to the Greek border at Novo Hodzhovo. Small Pincertail, Sombre Goldenring, Ruddy Darters and Eastern Spectres were in evidence, including a rarely seen female of the last species hanging in the shade of a tree.

We arrived at the lovely Hotel Boliarka in Melnik in good time for a splendid outdoor dinner, which was enlivened by the appearance of Stag Beetles and a Kotschy's Gecko. After dinner, the 'bat detectors' (Jan and Sue) walked to dark areas at the edge of town and found both Fireflies and Glow-worms.

Day 8

Saturday 6th July

Hot, humid and mainly sunny morning, cloudier in afternoon; maximum 32°C

A pre-breakfast walk in the cool morning air produced a group of Alpine Swifts, Hawfinches, Cirl and Rock Buntings and a brief glimpse of a Goshawk. With a forecast of possible rain in the afternoon, we decided to spend the morning at critical locations in the Struma Valley: old gravel pits and a reservoir near General Todorov. The former quickly produced the hoped for Spotted and Banded Darters in rapid succession, to be followed equally rapidly by male and then female of the other 'chunky bush-cricket', *Bradyporus dasypus*. Birds included Short-toed Eagle, Marsh Harrier and Black-headed Buntings bathing, while a Hermann's Tortoise was our first of that species.

With our dragonfly list now equalling last year's record 52 species (excluding possible Migrant Hawker), we made our way down to the nearby reservoir, hoping that the Bladetail (*Lindenia tetraphylla*) Dancho saw about 10 days earlier might still be alive. It wasn't to be, but then it wasn't long before the cry of "Black Pennant" passed through the group in rather more than a Chinese whisper! At least half-a-dozen mature males were perched on the path ahead, or on short pieces of vegetation. Jubilation and another record broken! Among the supporting cast were Dainty Bluet, Little Bittern, Short-tailed Blues and two flyover Dalmatian Pelicans.

We transferred to a café at Rupite Hot Springs for lunch and cold drinks. Later we tested the very hot water and walked past bathers coated in supposedly-therapeutic mud. Where the water was cooler we found Southern Skimmers and a Banded Darter, and further on dozens of Blue Featherlegs and a few Blue-eyes and Small Red-eyes, plus both Balkan and European Pond Terrapins. A third Dalmatian Pelican flew over. On our way back to the minibus we found Little Tiger Blue, Eastern Bath White, Black-eared Wheatear and finally, while quenching our thirst with water melon, an Eleonora's Falcon flew over.

We returned to Melnik in thundery conditions, in time for some souvenir hunting and to begin packing, as sadly this was our last evening in Bulgaria. We were, however, elated at our achievements and enjoyed another good meal and plenty of liquid refreshment. What a splendid final full day in this wonderful country!

Day 9

Sunday 7th July

Hot and sunny

We had an early breakfast in order to give us time in the Kresna Gorge biodiversity hot-spot on our return to Sofia. We searched around the bridge over the Struma River, finding Balkan Marbled White and eventually a Common Clubtail and Common Gliders. Dancho returned clasping a beautiful Thread-winged Lacewing. Finally, we made time for some quick group photographs on the bridge, before continuing the final leg of our journey.

We grabbed some lunch at a fuel station before arriving in perfect time at Sofia airport, where we said goodbye to Dancho and George, and then to Ron and Rita who flew out later. We sailed effortlessly through check-in and security and breezed through Terminal 5 at Heathrow before bidding our final farewells.

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Species Lists

Dragonflies (✓= recorded but not counted)

	Common Name	Scientific Name	June/July								
			29	30	1	2	3	4	5	6	7
1	Beautiful Demoiselle	<i>Calopteryx virgo</i>			✓	✓	✓	✓	✓	✓	
2	Banded Demoiselle	<i>Calopteryx splendens</i>	✓	✓	✓		✓		✓	✓	✓
3	Odalisque	<i>Epallage fatime</i>				✓					
4	Western Willow Spreadwing	<i>Chalcolestes viridis</i>					✓				
5	Eastern Willow Spreadwing	<i>Chalcolestes parvidens</i>							✓	✓	
6	Migrant Spreadwing (Southern Emerald D'fly)	<i>Lestes barbarus</i>	✓	✓	✓				✓		
7	Robust Spreadwing (Scarce Emerald D'fly)	<i>Lestes dryas</i>		✓	✓			✓			
8	Common Winter Damselfly	<i>Sympecma fusca</i>		✓							
9	Spearhead (Northern) Bluet	<i>Coenagrion hastulatum</i>					✓				
10	Ornate Bluet	<i>Coenagrion ornatum</i>	✓				✓				
11	Azure Bluet	<i>Coenagrion puella</i>	✓		✓			✓	✓	✓	
12	Dainty Bluet	<i>Coenagrion scitulum</i>			✓				✓	✓	
13	Common Bluet	<i>Enallagma cyathigerum</i>		✓	✓		✓				
14	Small Redeye	<i>Erythromma viridulum</i>			✓	✓			✓	✓	
15	Blue-eye	<i>Erythromma lindenii</i>			✓	✓				✓	
16	Common Bluetail	<i>Ischnura elegans</i>		✓	✓	✓	✓		✓	✓	
17	Small (Scarce) Bluetail	<i>Ischnura pumilio</i>	✓	✓	✓	✓	✓		✓		
18	Large Red Damselfly	<i>Pyrrosoma nymphula</i>	✓				✓				
19	Blue Featherleg (White-legged Damselfly)	<i>Platycnemis pennipes</i>		✓	✓	✓	✓	✓	✓	✓	✓
20	Blue-eyed (Southern Migrant) Hawker	<i>Aeshna affinis</i>					✓			✓	
21	Blue (Southern) Hawker	<i>Aeshna cyanea</i>					✓	✓	✓		
22	Green-eyed (Norfolk) Hawker	<i>Aeshna isosceles</i>		✓					✓		
23	Moorland (Common) Hawker	<i>Aeshna juncea</i>					✓				
24	Migrant Hawker	<i>Aeshna mixta</i>						?			
25	Blue Emperor	<i>Anax imperator</i>			✓	✓	✓		✓	✓	
26	Lesser Emperor	<i>Anax parthenope</i>				✓			✓	✓	
27	Eastern Spectre	<i>Caliaeschna microstigma</i>			✓	✓	✓		✓		
28	Common Clubtail	<i>Gomphus vulgatissimus</i>			✓						✓
29	River Clubtail	<i>Gomphus flavipes</i>		✓							
30	Small Pincertail	<i>Onychogomphus forcipatus</i>		✓	✓	✓	✓		✓	✓	✓
31	Green Snaketail	<i>Ophiogomphus cecilia</i>		✓							
32	Sombre Goldenring	<i>Cordulegaster bidentata</i>					✓		✓		
33	Balkan Goldenring	<i>Cordulegaster heros</i>						✓	✓		
34	Turkish Goldenring	<i>Cordulegaster picta</i>			✓						
35	Downy Emerald	<i>Cordulia aenea</i>					✓	✓	✓		
36	Bulgarian Emerald	<i>Somatochlora borisi</i>					✓				
37	Balkan Emerald	<i>Somatochlora meridionalis</i>			✓		✓		✓		
38	Brilliant Emerald	<i>Somatochlora metallica</i>							✓		
39	Broad Scarlet (Darter)	<i>Crocothemis erythraea</i>			✓	✓	✓		✓	✓	
40	Blue (Scarce) Chaser	<i>Libellula fulva</i>							✓		
41	Broad-bodied Chaser	<i>Libellula depressa</i>			✓		✓	✓	✓	✓	✓
42	Four-spotted Chaser	<i>Libellula quadrimaculata</i>					✓	✓			
43	White-tailed Skimmer	<i>Orthetrum albistylum</i>		✓	✓	✓				✓	
44	Southern Skimmer	<i>Orthetrum brunneum</i>	✓	✓	✓	✓	✓		✓	✓	
45	Black-tailed Skimmer	<i>Orthetrum cancellatum</i>		✓	✓	✓				✓	
46	Keeled Skimmer	<i>Orthetrum coerulescens</i>	✓			✓			✓	✓	
47	Black Pennant	<i>Selysiothemis nigra</i>								✓	

	Common Name	Scientific Name	June/July									
			29	30	1	2	3	4	5	6	7	
48	Spotted Darter	<i>Sympetrum depressiusculum</i>									✓	
49	Yellow-winged Darter	<i>Sympetrum flaveolum</i>					✓					
50	Red-veined Darter	<i>Sympetrum fonscolombii</i>			✓						✓	
51	Southern Darter	<i>Sympetrum meridionale</i>			✓	✓					✓	
52	Banded Darter	<i>Sympetrum pedemontanum</i>									✓	
53	Ruddy Darter	<i>Sympetrum sanguineum</i>			✓			✓	✓	✓	✓	
54	Common Darter	<i>Sympetrum striolatum</i>			✓		✓		✓	✓	✓	

Butterflies (L = larva)

	Common name	Scientific name	June/July									
			29	30	1	2	3	4	5	6	7	
1	Swallowtail	<i>Papilio machaon</i>	✓	L					✓	✓		
2	Scarce Swallowtail	<i>Iphiclides podalirius</i>	✓		✓	✓	✓	✓	✓	✓	✓	✓
3	Eastern Festoon	<i>Zerynthia cerisy</i>				✓	✓					
4	Apollo	<i>Parnassius Apollo</i>						✓				
5	Large White	<i>Pieris brassicae</i>		✓	✓	✓	✓	✓	✓	✓	✓	✓
6	Black-veined White	<i>Aporia crataegi</i>	✓		✓		✓	✓	✓	✓		
7	Small White	<i>Artogeia rapae</i>		✓	✓	✓	✓	✓	✓	✓		
8	Eastern Bath White	<i>Pontia edusa</i>		✓	✓	✓			✓	✓		
9	Orange Tip	<i>Anthocharis cardamines</i>						✓		✓		
10	Clouded Yellow	<i>Colias crocea</i>	✓	✓	✓	✓	✓	✓	✓	✓		
11	Brimstone	<i>Gonepteryx rhamni</i>					✓	✓	✓			
12	Wood White	<i>Leptidea sinapis</i>			✓			✓	✓			
13	Sloe Hairstreak	<i>Satyrium acaciae</i>	✓		✓							
14	Blue-spot Hairstreak	<i>Satyrium spini</i>						✓				
15	Small Copper	<i>Lycaena phlaeas</i>	✓		✓	✓	✓		✓			✓
16	Large Copper	<i>Lycaena dispar</i>		✓								
17	Sooty Copper	<i>Lycaena tityrus</i>							✓			
18	Lesser Fiery Copper	<i>Lycaena thersamon</i>		✓								
19	Balkan Copper	<i>Lycaena candens</i>						✓	✓			
20	Scarce Copper	<i>Lycaena vigeureae</i>					✓	✓	✓			
21	Little Tiger Blue	<i>Tarucus balkanicus</i>				✓			✓	✓		
22	Short-tailed Blue	<i>Cupido argiades</i>							✓	✓		
23	Long-tailed Blue	<i>Lampides boeticus</i>			✓							✓
24	Holly Blue	<i>Celastrina argiolus</i>	✓		✓		✓					✓
25	Mountain Alcon Blue	<i>Phengaris (Maculinea) rebeli</i>						✓				
26	Silver-studded/Idas Blue	<i>Plebejus argus/idas</i>	✓	✓	✓	✓	✓	✓	✓	✓		
27	Brown Argus	<i>Aricia agestis</i>		✓		✓						
28	Mazarine Blue	<i>Cyaniris semiargus</i>						✓	✓			
29	Amanda's Blue	<i>Agrodiaetus amanda</i>			✓							
30	Ripart's Anomalous Blue	<i>Agrodiaetus ripartii</i>						✓				
31	Common Blue	<i>Polyommatus icarus</i>		✓	✓	✓	✓	✓	✓	✓		
32	Poplar Admiral	<i>Limenitis populi</i>						✓				
33	White Admiral	<i>Limenitis camilla</i>						✓	✓			
34	Southern White Admiral	<i>Limenitis reducta</i>			✓	✓				✓		
35	Common Glider	<i>Neptis rivularis</i>										✓
36	Camberwell Beauty	<i>Nymphalis antiopa</i>			✓		✓					
37	Large Tortoiseshell	<i>Nymphalis polychloros</i>					✓					
38	Peacock	<i>Inachis io</i>			✓			✓				
39	Red Admiral	<i>Vanessa atalanta</i>	✓		✓							

	Common name	Scientific name	June/July								
			29	30	1	2	3	4	5	6	7
40	Painted Lady	<i>Vanessa cardui</i>	✓	✓	✓	✓	✓	✓	✓	✓	
41	Small Tortoiseshell	<i>Aglais urticae</i>	✓								
42	Comma	<i>Polygonum c-album</i>	✓			✓		✓	✓		
43	Map Butterfly	<i>Araschnia levana</i>							✓		
44	Silver-washed Fritillary	<i>Argynnis paphia</i>			✓		✓	✓	✓		
45	Dark Green Fritillary	<i>Argynnis aglaja</i>			✓		✓				
46	High Brown Fritillary	<i>Argynnis adippe</i>					✓				
47	Queen of Spain Fritillary	<i>Issoria lathonia</i>		✓			✓	✓			
48	Marbled Fritillary	<i>Brenthis daphne</i>			✓	✓			✓		
49	Pearl-bordered Fritillary	<i>Clossinia euphrosyne</i>						✓			
51	Knapweed Fritillary	<i>Melitaea phoebe</i>				✓					
52	Spotted Fritillary	<i>Melitaea didyma</i>	✓	✓	✓	✓		✓		✓	
53	Lesser Spotted Fritillary	<i>Melitaea trivia</i>								✓	
54	Heath Fritillary	<i>Melitaea athalia</i>					✓	✓	✓		
55	Marsh Fritillary	<i>Euphydryas aurinia</i>						✓			
56	Marbled White	<i>Melanargia galathea</i>	✓	✓	✓	✓	✓	✓	✓	✓	
57	Balkan Marbled White	<i>Melanargia larissa</i>									✓
58	Eastern Rock Grayling	<i>Hipparchia syriaca</i>						✓			
59	Great Banded Grayling	<i>Kanetisa circe</i>		✓		✓	✓		✓	✓	✓
60	Arran Brown	<i>Erebia ligea</i>						✓	✓		
62	Woodland Ringlet	<i>Erebia medusa</i>					?		✓		
63	Large Ringlet	<i>Erebia eurale</i>						✓			
64	Ringlet	<i>Aphantopus hyperantus</i>					✓	✓			
65	Gatekeeper	<i>Pyronia tithonus</i>							✓	✓	
66	Meadow Brown	<i>Maniola jurtina</i>	✓	✓	✓	✓	✓	✓	✓	✓	
67	Small Heath	<i>Coenonympha pamphilus</i>	✓	✓	✓	✓		✓	✓	✓	✓
68	Pearly Heath	<i>Coenonympha arcania</i>			✓			✓			
69	Chestnut Heath	<i>Coenonympha glycerion</i>	✓				✓	✓			
70	Speckled Wood	<i>Pararge aegeria</i>							✓		✓
71	Wall Brown	<i>Lasiommata megera</i>		✓		✓			✓	✓	✓
72	Large Wall Brown	<i>Lasiommata maera</i>					✓	✓			
73	Grizzled Skipper	<i>Pyrgus malvae</i>				✓					
74	Oberthür's Grizzled Skipper	<i>Pyrgus armoricanus</i>						✓			
75	Olive Skipper	<i>Pyrgus serratulae</i>							✓		
76	Sandy Grizzled Skipper	<i>Pyrgus cinarae</i>			✓						
77	Mallow Skipper	<i>Carcharodus alceae</i>		✓							
	Tufted/Oriental Marbled Skipper	<i>Carcharodus flocciferus/orientalis</i>							✓		
78	Oriental Marbled Skipper	<i>Carcharodus orientalis</i>								✓	
79	Lulworth Skipper	<i>Thymelicus acteon</i>			✓						
80	Dingy Skipper	<i>Erynnis tages</i>		✓	✓	✓			✓		✓
81	Essex Skipper	<i>Thymelicus lineola</i>	✓					✓			
82	Small Skipper	<i>Thymelicus sylvestris</i>	✓		✓	✓	✓	✓			
83	Large Skipper	<i>Ochlodes venatus</i>	✓		✓		✓	✓	✓		

Moths

	Common name	Scientific name	June/July								
			29	30	1	2	3	4	5	6	7
1	Annulet	<i>Charissa obscurata</i>							✓		
2	Barred Yellow	<i>Cidaria fulvata</i>							✓		
3	Black-veined Moth	<i>Siona lineata</i>					✓	✓			

	Common name	Scientific name	June/July								
			29	30	1	2	3	4	5	6	7
4	Bloodvein	<i>Timandra comae</i>							✓		
5	Bright Wave	<i>Idaea ochrata</i>		✓							
6	Brown China-mark	<i>Elophila nymphaeata</i>					✓				
7	Buff Ermine	<i>Spilosoma luteum</i>		✓							
8	Burnet Companion	<i>Euclidia glyphica</i>			✓		✓			✓	
9	Chimney Sweeper	<i>Odezia atrata</i>						✓			
10	Common Footman	<i>Eilema lurideola</i>					✓				
11	Dewick's Plusia	<i>Macdunnoughia confusa</i>									✓
12	Diamond-back Moth	<i>Plutella xylostella</i>					✓				
13	European Corn-borer	<i>Ostrinia nubilalis</i>	✓								
14	Feathered Footman	<i>Spiris striata</i>	✓					✓			
15	Fern	<i>Horisme tersata</i>								✓	
16	Five-spotted Burnet	<i>Zygaena trifolii</i>						✓			
17	Garden Grass-veneer	<i>Chrysoteuchia culmella</i>	✓								
18	Geometrician	<i>Prodotis stolidia</i>		✓		✓					
19	Grass Emerald	<i>Pseudoterpna pruinata</i>							✓		
20	Gypsy Moth	<i>Lymantria dispar</i>				✓	✓				
21	Herald	<i>Scoliopteryx libatrix</i>		✓							
22	Hummingbird Hawk-moth	<i>Macroglossum stellatarum</i>		✓		✓	✓	✓	✓		
23	Jersey Tiger	<i>Euplagia quadripunctaria</i>			✓						
24	Kent Black Arches	<i>Meganola albula</i>	✓								
25	Least Carpet	<i>Idaea rusticata</i>					✓				
26	Light Emerald	<i>Campaea margaritata</i>		✓				✓			
27	Minor sp.	<i>Oligia</i> sp.		✓							
28	Nine-spotted (or similar)	<i>Amata (phegea)</i>	✓	✓	✓	✓	✓	✓			
29	Pale Shoulder	<i>Acontia lucida</i>	✓	✓		✓					
30	Passenger	<i>Dysgonia algira</i>		✓		✓					
31	Pine Processionary	<i>Thaumetopoea pityocampa</i>						✓			
32	Purple Marbled	<i>Eublemma ostrina</i>				✓					
33	Purple Tiger	<i>Rhyparia purpurata</i>			✓						
34	Red Underwing (sp)	<i>Catocala</i> sp.									✓
35	Riband Wave	<i>Idaea aversata</i>							✓		
36	Shaded Broad Bar	<i>Scotopteryx chenopodiata</i>						✓			
37	Short-cloaked Moth	<i>Nola cucullatella</i>						✓			
38	Shoulder-striped Wainscot	<i>Mythimna comma</i>		✓							
39	Silver Y	<i>Autographa gamma</i>	✓				✓	✓			
40	Six-spotted Burnet	<i>Zygaena filipenulae</i>	✓				✓	✓	✓	✓	
41	Slender Scotch Burnet	<i>Zygaena loti</i>	✓								
42	Small Argent and Sable	<i>Epirrhoe tristata</i>					✓				
43	Small Forester	<i>Adscita albenica</i>					✓	✓			
44	Speckled Yellow	<i>Pseudopanthera macularia</i>						✓			
45	Spotted Sulphur	<i>Emmelia trabealis</i>	✓								
46	Spurge Hawk-moth	<i>Hyles euphorbiae</i>					L				
47	Sussex Emerald	<i>Thalera fimbrialis</i>							✓		
48	Swallow-tailed Moth	<i>Ourapteryx sambucaria</i>							✓		
49	Treble-bar	<i>Aplocera plagiata</i>						✓			
50	Variable Burnet Moth	<i>Zygaena ephialtes</i>					✓				
51		<i>Agapeta zoegana</i>	✓								
52		<i>Cnephasia</i> sp.					✓				
53		<i>Dichagyris signifera</i>						✓			

	Common name	Scientific name	June/July								
			29	30	1	2	3	4	5	6	7
54		<i>Euplocamus anthracinalis</i>							✓		
55		<i>Pyrausta despicata</i>	✓								
56		<i>Rhodostrophia calabra</i>	✓								
57		<i>Rhodostrophia vibicaria</i>					✓				
58		<i>Sitochroa verticalis</i>					✓				
59		<i>Teinoptera olivina</i>							✓		
60		<i>Thyris fenestrella</i>					✓				

Birds (H = heard only)

	Common Name	Scientific Name	June/July								
			29	30	1	2	3	4	5	6	7
1	Little Grebe	<i>Tachybaptus ruficollis</i>				H					
2	Dalmatian Pelican	<i>Pelecanus crispus</i>									✓
3	Cormorant	<i>Phalacrocorax carbo</i>				✓	✓		✓	✓	✓
4	Little Bittern	<i>Ixobrychus minutus</i>		H					✓	✓	
5	Little Egret	<i>Egretta garzetta</i>		✓							
6	Grey Heron	<i>Ardea cinerea</i>	✓	✓	✓	✓	✓			✓	✓
7	White Stork	<i>Ciconia ciconia</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	Black Stork	<i>Ciconia nigra</i>		✓	✓	✓		✓	✓		
9	Mallard	<i>Anas platyrhynchos</i>							✓	✓	
10	Griffon Vulture	<i>Gyps fulvus</i>				✓					
11	Egyptian Vulture	<i>Neophron percnopterus</i>				✓					
12	Black Kite	<i>Milvus migrans</i>			✓						
13	Short-toed Eagle	<i>Circaetus gallicus</i>									✓
14	Marsh Harrier	<i>Circus aeruginosus</i>									✓
15	Montagu's Harrier	<i>Circus pygargus</i>		✓							
16	Sparrowhawk	<i>Accipiter nisus</i>		✓					✓	✓	
17	Levant Sparrowhawk	<i>Accipiter brevipes</i>		✓		✓					
18	Goshawk	<i>Acciper gentilis</i>						✓		✓	
19	Common Buzzard	<i>Buteo buteo</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
20	Long-legged Buzzard	<i>Buteo rufinus</i>	?	✓							
21	Honey Buzzard	<i>Pernis apivorus</i>			✓		✓				✓
22	Booted Eagle	<i>Hieraaetus pennatus</i>				✓					✓
23	Lesser Spotted Eagle	<i>Aquila pomarina</i>				✓					
24	Eleonora's Falcon	<i>Falco eleonora</i>									✓
25	Hobby	<i>Falco subbuteo</i>			✓	✓		✓	✓		
26	Common Kestrel	<i>Falco tinnunculus</i>	✓	✓		✓		✓	✓	✓	✓
27	Corncrake	<i>Crex crex</i>					H	H			
28	Moorhen	<i>Gallinula chloropus</i>						H	✓		
29	Little Ringed Plover	<i>Charadrius dubius</i>		✓	✓	✓	✓		H	✓	✓
30	Common Sandpiper	<i>Actitis hypoleucos</i>		H							✓
31	Black-headed Gull	<i>Chroicocephalus ridibundus</i>							✓		
32	Yellow-legged Gull	<i>Larus michahellis</i>		✓	✓	✓	✓				
33	Whiskered Tern	<i>Chlidonias hybrida</i>							✓		
34	Rock Dove/Feral Pigeon	<i>Columba livia</i>		✓	✓	✓	✓		✓	✓	✓
35	Wood Pigeon	<i>Columba palumbus</i>			✓	✓		✓			
36	Collared Dove	<i>Streptopelia decaocto</i>		✓	✓	✓	✓		✓	✓	✓
37	Turtle Dove	<i>Streptopelia turtur</i>	✓	✓	✓	✓	✓		✓	✓	✓
38	Little Owl	<i>Athene noctua</i>		✓	✓						
39	Scops Owl	<i>Otus scops</i>			H	✓					

	Common Name	Scientific Name	June/July								
			29	30	1	2	3	4	5	6	7
40	Tawny Owl	<i>Strix aluco</i>				H					
41	Swift	<i>Apus apus</i>	✓	✓	✓		✓				✓
42	Pallid Swift	<i>Apus pallidus</i>					✓	✓	✓		
43	Alpine Swift	<i>Apus melba</i>				✓		✓		✓	
44	Kingfisher	<i>Alcedo atthis</i>				✓			✓		
45	Hoopoe	<i>Upupa epops</i>				✓	✓				
46	Bee-eater	<i>Merops apiaster</i>		✓		✓	✓		✓	✓	✓
47	Roller	<i>Coracias garrulus</i>		✓		✓	✓			✓	
48	Black Woodpecker	<i>Dryocopos martius</i>					H				
49	Grey-headed Woodpecker	<i>Picus canus</i>							H		
50	Green Woodpecker	<i>Picus viridis</i>	H	H	H	H	✓		H	H	H
51	Syrian Woodpecker	<i>Dendrocopos syriacus</i>		✓	✓	✓	✓		✓	H	
52	Great Spotted Woodpecker	<i>Dendrocopos major</i>					✓	✓	✓		
53	Lesser Spotted Woodpecker	<i>Dendrocopos minor</i>			✓		✓		H	H	
54	Woodlark	<i>Lullula arborea</i>				✓					
55	Skylark	<i>Alauda arvensis</i>		H	H						
56	Crested Lark	<i>Galerida cristata</i>		✓					✓	✓	
57	Sand Martin	<i>Riparia riparia</i>		✓							
58	House Martin	<i>Delichon urbica</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
59	Swallow	<i>Hirundo rustica</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
60	Red-rumped Swallow	<i>Hirundo daurica</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
61	Crag Martin	<i>Ptyonoprogne rupestris</i>			✓	✓	✓	✓	✓	✓	
62	White Wagtail	<i>Motacilla alba</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
63	Grey Wagtail	<i>Motacilla cinerea</i>		✓	✓		✓	✓	✓		✓
64	Black-headed Wagtail	<i>Motacilla flava fledgegg</i>		✓							
65	Nightingale	<i>Luscinia megarhynchos</i>	✓		H	✓	✓		✓	H	✓
66	Robin	<i>Erithacus rubecula</i>			H		✓	H	H	✓	
67	Redstart	<i>Phoenicurus phoenicurus</i>		✓							
68	Black Redstart	<i>Phoenicurus ochruros</i>		✓			✓	✓	✓	✓	✓
69	Northern Wheatear	<i>Oenanthe oenanthe</i>		✓							
70	Black-eared Wheatear	<i>Oenanthe hispanica</i>				✓				✓	
71	Blackbird	<i>Turdus merula</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
72	Song Thrush	<i>Turdus philomelos</i>		✓		✓	✓	✓	✓	✓	
73	Mistle Thrush	<i>Turdus viscivorus</i>		✓			✓	H	✓		
74	Cetti's Warbler	<i>Cettia cetti</i>							✓	H	
75	Great Reed Warbler	<i>Acrocephalus arundinaceus</i>		✓	H	H			✓	✓	
76	Eastern Olivaceous Warbler	<i>Hippolais elaeica</i>		✓	✓	✓	✓		✓	✓	
77	Lesser Whitethroat	<i>Sylvia curruca</i>		✓			✓				
78	Subalpine Warbler	<i>Sylvia cantillans</i>				✓					
79	Eastern Orphean Warbler	<i>Sylvia crassirostris</i>				✓					
80	Blackcap	<i>Sylvia atricapilla</i>	H	H		✓		H	H	✓	✓
81	Chiffchaff	<i>Phylloscopus collybita</i>	H					H	✓	✓	
82	Eastern Bonelli's Warbler	<i>Phylloscopus orientalis</i>				✓					
83	Firecrest	<i>Regulus ignicapillus</i>					H	H	H		
84	Spotted Flycatcher	<i>Muscicapa striata</i>		✓	✓				✓	✓	
85	Long-tailed Tit	<i>Aegithalos caudatus</i>			✓	✓			✓		
86	Sombre Tit	<i>Poecile lugubris</i>				✓					
87	Willow Tit	<i>Poecile montana</i>							✓		
88	Coal Tit	<i>Parus ater</i>		H			✓	H	✓		
89	Crested Tit	<i>Parus cristatus</i>					✓		✓		✓

	Common Name	Scientific Name	June/July								
			29	30	1	2	3	4	5	6	7
90	Great Tit	<i>Parus major</i>		✓	✓	✓	✓	✓	✓	✓	
91	Blue Tit	<i>Cyanistes caeruleus</i>					✓		✓		
92	Nuthatch	<i>Sitta europaea</i>	H				H				
93	Wallcreeper	<i>Trichodroma muraria</i>						✓			
94	Common Treecreeper	<i>Certhia familiaris</i>					H		✓		
95	Short-toed Treecreeper	<i>Certhia brachydactyla</i>							H		
96	Wren	<i>Troglodytes troglodytes</i>						H		H	
97	Dipper	<i>Cinclus cinclus</i>		✓				✓			
98	Lesser Grey Shrike	<i>Lanius minor</i>				✓	✓				
99	Woodchat Shrike	<i>Lanius senator</i>		✓	✓	✓			✓	✓	
100	Red-backed Shrike	<i>Lanius collurio</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
101	Jay	<i>Garrulus glandarius</i>	✓	✓	✓	✓	✓	✓	✓	✓	
102	Magpie	<i>Pica pica</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
103	Nutcracker	<i>Nucifraga caryocatactes</i>					H		✓		
104	Hooded Crow	<i>Corvus cornix</i>		✓	✓	✓	✓	✓	✓	✓	✓
105	Jackdaw	<i>Corvus monedula</i>		✓	✓	✓	✓				
106	Raven	<i>Corvus corax</i>		✓		✓	✓			✓	
107	Golden Oriole	<i>Oriolus oriolus</i>		✓	H	✓	✓		✓	✓	✓
108	Starling	<i>Sturnus vulgaris</i>	✓	✓	✓	✓	✓		✓	✓	✓
109	House Sparrow	<i>Passer domesticus</i>	✓	✓	✓	✓	✓		✓	✓	✓
110	Spanish Sparrow	<i>Passer hispaniolensis</i>		✓	✓	✓			✓	✓	
111	Tree Sparrow	<i>Passer montanus</i>	✓	✓	✓		✓		✓	✓	
112	Chaffinch	<i>Fringilla coelebs</i>		✓	✓	✓	✓	✓	✓	✓	✓
113	Serin	<i>Serinus serinus</i>		✓			✓		✓		
114	Siskin	<i>Carduelis spinus</i>		✓							
115	Goldfinch	<i>Carduelis carduelis</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
116	Greenfinch	<i>Carduelis chloris</i>		✓	✓	✓	✓		✓	✓	
117	Bullfinch	<i>Pyrrhula pyrrhula</i>		✓							
118	Hawfinch	<i>C. coccothraustes</i>				✓	✓		✓	✓	
119	Crossbill	<i>Loxia curvirostra</i>		✓			H		✓		
120	Corn Bunting	<i>Miliaria calandra</i>	✓	✓	✓	✓	✓	H		✓	
121	Rock Bunting	<i>Emberiza cia</i>							✓	✓	
122	Cirl Bunting	<i>Emberiza cirlus</i>		H	✓	✓	✓	H	✓	✓	
123	Yellowhammer	<i>Emberiza citrinella</i>					H	✓	✓		
124	Ortolan Bunting	<i>Emberiza hortulana</i>						✓			
125	Black-headed Bunting	<i>Emberiza melanocephala</i>				✓				✓	

Mammals (Bat recordings and ID by Sue Smallshire and Jan Whittington; S= signs)

Common Name	Scientific Name	June/July								
		29	30	1	2	3	4	5	6	7
Common Pipistrelle	<i>Pipistrellus pipistrellus</i>			✓		✓		✓		
Schreiber's Bat	<i>Miniopterus schreibersii</i>						✓			
Stone (Beech) Marten	<i>Martes foina</i>				✓					
Badger	<i>Meles meles</i>						S		S	
Otter	<i>Lutra lutra</i>				S	S	S			S
Wild Boar	<i>Sus scrofa</i>							S		
Roe Deer	<i>Capreolus capreolus</i>						S			
Water Vole	<i>Arvicola terrestris</i>								?	

Reptiles and Amphibians (H = heard only)

Common Name	Scientific Name	June/July									
		29	30	1	2	3	4	5	6	7	
Common Toad	<i>Bufo bufo</i>			✓			✓		✓		
Yellow-bellied Toad	<i>Bombina variegata</i>	H		✓							
Balkan Stream Frog	<i>Rana graeca</i>						✓				
Marsh Frog	<i>Rana ridibunda</i>		✓	✓	✓	✓		✓	✓	✓	
Hermann's Tortoise	<i>Eurotestudo hermanni</i>								✓	✓	
Spur-thighed Tortoise	<i>Testudo graeca</i>				✓						
European Pond Terrapin	<i>Emys orbicularis</i>			✓	?			?	✓		
Balkan Pond Terrapin	<i>Mauremys rivulata</i>			✓	?			?	✓		
Green Lizard	<i>Lacerta viridis</i>	✓	✓	✓		✓	✓	✓	✓		
Balkan Green Lizard	<i>Lacerta trilineata</i>			✓	✓						
Common Wall Lizard	<i>Podarcis muralis</i>					✓	✓				
Erhart's Wall Lizard	<i>Podarcis erhardii</i>							✓	✓		
Balkan Wall Lizard	<i>Podarcis taurica</i>		✓	✓							
Wall lizard sp.	<i>Podarcis</i> sp.									✓	
Kotschy's Gecko	<i>Mediodactylus kotschyi</i>			✓	✓			✓			
Large Whip Snake	<i>Dolichophis caspius</i>			✓							
Dice Snake	<i>Natrix tessellata</i>				✓			✓			
Smooth Snake	<i>Coronella austriaca</i>	✓									
Snake sp.	Colubridae		✓								

Miscellaneous invertebrates (H = Heard only; La = Larvae)

Common Name	Scientific Name	June/July									
		29	30	1	2	3	4	5	6	7	
Mayfly spp.	Ephemeroptera	✓						✓			
Egyptian Grasshopper	<i>Anacridium aegyptium</i>									✓	
Blue-winged Grasshopper	<i>Oedipoda coeruleascens</i>		✓		✓						
Red-winged Grasshopper	<i>Oedipoda germanica</i>		✓		✓						
Slant-faced Grasshopper	<i>Acrida ungarica</i>		✓		✓					✓	
A saw-tailed bush-cricket	<i>Barbitistes serricauda</i>	✓	✓	✓						✓	
Speckled Bush-cricket	<i>Leptophyes punctatissima</i>	✓									
Great Green Bush-cricket	<i>Tettigonia viridissima</i>		H		✓	H	✓		✓	✓	
White-fronted Wartbiter	<i>Decticus albifrons</i>		✓		✓				✓		
'Balkan Predatory Bush-cricket'	<i>Saga natoliae</i>				✓				✓		
'Western Chunky Bush-cricket'	<i>Bradyporus macrogaster</i>			✓							
A large bush-cricket	<i>Bradyporus dasypus</i>									✓	
Field cricket sp.	<i>Gryllus</i> sp.		H	H			H	H	✓		
Marsh Cricket	<i>Pteronemobius heydenii</i>	✓	H								
Cockroach sp.	Blattodea				✓						
Praying Mantis	<i>Mantis religiosa</i>								✓	✓	
A mantis	<i>Empusa pennata</i>			✓							
A mantis	<i>Ameles reticulata</i>		✓								
Minstrel Bug	<i>Graphosoma lineatum</i>		✓	✓					✓	✓	
A minstrel-type bug	<i>Graphosoma semipunctatum</i>									✓	
Dock Bug	<i>Coreus marginatus</i>	✓									
Southern Green Shieldbug	<i>Nezara viridula</i>									✓	
A red & black froghopper	<i>Cercopis vulnerata</i>								✓		
Firebug	<i>Pyrrhocoris apterus</i>	✓									
Cicada sp(p).	Cicadidae			✓	✓				H		
Large ant-lion	<i>Palpares libelluloides</i>									✓	

Common Name	Scientific Name	June/July									
		29	30	1	2	3	4	5	6	7	
An ant-lion	<i>Creoleon lugdunensis</i>		✓								
An ant-lion	<i>Macronemurus appendiculatus</i>										
Antlion sp(p).	Myrmeleonidae		✓	✓	✓					✓	
An Ascalaphid (Owl-fly)	<i>Libelloides macaronius</i>					✓	✓				
Thread-winged Lacewing	<i>Nemoptera sinuata</i>										✓
Scorpion fly sp.	Mecoptera								✓		
Mosquito spp.	Culicidae	✓	✓		✓	✓	✓			✓	
Robber-fly spp.	Asilidae		✓				✓	✓			
Horse-fly sp.	Tabanidae			✓							
Hover-fly sp.	<i>Volucella</i> sp.				✓						
Mammoth Wasp	<i>Scolia flavifrons</i>									✓	
Paper wasp sp.	<i>Polistes</i> sp.								✓		✓
Hornet	<i>Vespa crabro</i>								✓		
Violet Carpenter Bee	<i>Xylocopa violacea</i>	✓		✓	✓	✓	✓	✓	✓	✓	✓
Stag Beetle	<i>Lucanus cervus</i>								✓		
Pine Chafer	<i>Polyphylla fullo</i>			✓							
Cockchafer	<i>Melolontha melolontha</i>								✓		
A pale-striped chafer	Scarabaeidae		✓						✓		
Bee Beetle	<i>Geotrupes stercorarius</i>						✓	✓			✓
Scarab beetle spp.	Scarabaeidae			✓							✓
Rose-type chafer spp.	<i>Cetonia</i> spp.	✓	✓	✓	✓						✓
A Clerid beetle	<i>Trichodes alvearius</i>			✓							
Glow-worm	<i>Lampyris noctiluca</i>								✓	✓	
Firefly	<i>Luciola lusitanica</i>					✓	✓	✓	✓		
Orange Ladybird	<i>Halyzia 16-guttata</i>								✓		
Musk Beetle	<i>Aromia moschata</i>			✓							
A long-horn beetle	<i>Purpuricensis budensis</i>		✓								
A long-horn beetle	<i>Morimus funereus</i>								✓		
Colorado Beetle	<i>Leptinotarsa decemlineata</i>						✓				
Tick sp.	<i>Ixodes</i> sp.	✓									
Wasp Spider	<i>Argiope bruennichi</i>			✓					✓	✓	
Daddy-long-legs spider	<i>Pholcus (phalangioides?)</i>									✓	
Crab spider sp(p).	Thomisidae						✓				
A large (wolf?) spider	<i>Lycosa</i> sp.?		✓	✓		✓					
A large orb-web spider	Araneidae			✓					✓	✓	
A large millipede	Diplopoda							✓		✓	
Roman Snail	<i>Helix pomatia</i>	✓			✓	✓	✓	✓	✓	✓	
A freshwater crab	<i>Potamon ibericum</i>			✓	✓	✓					
Stone Crayfish	<i>Austropotamobius torrentium</i>					✓					

Vascular Plants

A small selection of noteworthy plants, many of which could not be identified to species.

Bladder Campion	<i>Silene vulgaris</i>	Dodder sp.	<i>Cuscuta</i> sp.
Butterfly-orchid sp.	<i>Platanthera</i> sp.	Dog Rose	<i>Rosa canina</i>
Burnt Orchid	<i>Neotinea ustulata</i>	Dogwood	<i>Cornus</i> sp.
Chicory	<i>Cichorium intybus</i>	Dropwort	<i>Filipendula vulgaris</i>
Clary	<i>Salvia sclarea</i>	Dwarf Elder	<i>Sambucus ebulis</i>
Clustered Bellflower	<i>Campanula glomerata</i>	Elecampane	<i>Inula helenium</i>
Common Rock-rose	<i>Helianthemum nummularium</i>	False Acacia	<i>Robinia pseudacacia</i>
Common Valerian	<i>Valeriana officinalis</i>	Field Eryngo	<i>Eryngium campestre</i>

Field Scabious	<i>Knautia arvensis</i>	Red Helleborine	<i>Cephalanthera rubra</i>
Fragrant Orchid	<i>Gymnadenia conopsea</i>	Restharrow	<i>Ononis repens</i>
Globe Thistle	<i>Echinops ritro</i>	Rhodope Haberlea	<i>Haberlea rhodopensis</i>
Goat's-beard	<i>Tragopogon pratensis</i>	Rose Champion	<i>Lychnis coronaria</i>
Great Burnet	<i>Sanguisorba officinalis</i>	Rosebay Willowherb	<i>Chamerion angustifolium</i>
Grecian/Woolly Foxglove	<i>Digitalis lanata</i>	Smoke Bush	<i>Cotinus coggyria</i>
Helleborine sp.	Orchidaceae	Soapwort	<i>Saponaria officinalis</i>
Jerusalem/Christ's Thorn	<i>Paliurus spina-christi</i>	Spiny Cocklebur	<i>Xanthium spinosum</i>
Lady's Bedstraw	<i>Galium verum</i>	Spiny Restharrow	<i>Ononis spinosa</i>
Larkspur	<i>Linaria (peliseriana?)</i>	Spurge sp.	<i>Euphorbia</i> sp.
Love-in-a-mist	<i>Nigella arvensis</i>	St. John's-wort sp.	<i>Hypericum (olympicum?)</i>
Marsh-orchid sp.	<i>Dactylorhiza</i> sp.	Tassel Hyacinth	<i>Muscari comosum</i>
Meadowsweet	<i>Filipendula ulmaria</i>	Thyme sp.	<i>Thymus</i> sp.
Mock Orange sp.	<i>Philadelphus</i> sp.	Viper's Bugloss	<i>Echium vulgare</i>
Mullein sp.	<i>Verbascum</i> sp.	Water Avens	<i>Geum rivale</i>
Pink Cistus	<i>Cistus</i> sp.	White False Helleborine	<i>Veratrum album</i>
Plane	<i>Platanus</i> sp.	White Mulberry	<i>Morus alba</i>
Potentilla sp.	<i>Potentilla</i> sp.	Wild Carrot	<i>Daucus carota</i>
Quaking-grass sp.	<i>Briza minor / media</i>	Yellow Balsam	<i>Impatiens noli-tangere</i>
Ragged-Robin	<i>Lychnis flos-cuculi</i>	Yellow Thistle	<i>Carthamus lanatus</i>