

# Romania's Butterflies & Moths

Naturetrek Tour Report

23 – 30 June 2019



Eastern Baton Blue - Alan Martin



Pease Blossom



*Saga pedo*



Yellow-legged Tortoiseshell - Matt McKie

Report and photos compiled by Paul Harnes  
Additional photos by Florin Palade, Alan Martin & Matt McKie



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Tour participants: Paul Harmes (leader), Florin Palade (local guide), Christian (driver),  
With 12 Naturetrek clients

## Day 1

Sunday 23rd June

### Fly London Heathrow to Bucharest, Transfer to Vulcan

Eleven tour-group members met with Paul at London Heathrow, Terminal 5 for the 11.40am British Airways flight BA886, to Bucharest. After completing immigration formalities and collecting our luggage, we made our way into the arrivals area where we were met by Florin, our local guide, who showed us to the exit and to our bus where we met our driver, Christian, who quickly loaded our luggage. Leaving the airport, we made our way onto the E60 and drove towards Ploiesti and on north-westward, through the Sub-Carpathian hills, and the towns of Breaza and Sinaia. Along the way we saw Western Jackdaw, White Stork, Starlings and Hooded Crows.

Near Sinaia, we paused for a comfort/coffee stop. Around the OMV Services, we found a rather worn Green-underside Blue butterfly and Silver-Y moth, together with both Seven- and Two-spot Ladybirds. Continuing, our route took us through Busteni, before turning west to Rasnov. Additional species noted included Common Buzzard, Raven, House Martin and a Fox.

After about three hours, we arrived at the SachSen Scheune (Guesthouse Elena) in Vulcan, in the region of Transylvania, our base for the next three nights. Here, we met with our final group member, John, who was joining us as part of an extended stay in Romania. We were welcomed by our hosts, George and Elena, who quickly settled us into our rooms, prior to sitting down to a late dinner, after which we retired for the night.

## Day 2

Monday 24th June

### Sinca Noua, Strimba Valley, Zarnesti Gorge, Plai Valley

Before retiring last night, Paul and Florin set the moth trap. Many of the group met in the rear garden of the Guesthouse to examine the catch. Among the macros there were Plain Wave, Red-necked Footman, Garden Carpet, Lime-speck Pug, Peppered Moth [*f. carbonaria*], Grey Dagger agg., Flame, Cream-bordered Green Pea, Orange Moth, Elephant Hawk-moth, Flame Shoulder, Double Square-spot, Marsh Dagger, Straw Dot and Pygmy Footman. Micros included Meal Moth, Box Tree Moth, the Tineid *Monopis monachella*, Rush Veneer, Chestnut Tortrix and the Four-spotted Clothes Moth. Birds were also active, with Collared Dove, Great Spotted and Syrian Woodpeckers, Black Redstart, Lesser Whitethroat, Serin and Common Buzzard all noted.

After breakfast, we joined our vehicle for the circa one-hour drive to the Strimba Valley, an extensive area of meadows, tracks and forest, near Sinca Noua, where we spent the morning, exploring. The warm morning sunshine meant that the butterflies and day-flying moths were active. Large Skipper, Meadow Brown, Large and Small Coppers, Small Heath, Berger's Clouded Yellow, Pearly Heath and Weaver's Fritillary butterflies were early finds. There were also numerous birds seen. These included Golden Oriole, Honey Buzzard, Lesser Spotted Eagle, Blackcap, Jay, Red-backed Shrike and an obliging pair of Middle Spotted Woodpeckers. As we moved up the valley, we added Purple Emperor, Niobe Fritillary, Small White, Lesser Purple Emperor, Map and Silver-

studded Blue butterflies. Six-spot Burnet and Silver-Y moth and the caterpillar of a Knotgrass moth were also recorded.

Some way up the valley, we stopped to eat our picnic lunch, before re-joining our vehicle to make our way back towards Vulcan, stopping near the village of Zarnesti, in the Piatra Cariului National Park. Here we set off to explore the Zarnesti Gorge, which lies between the Piatra Craiului and Pietricica mountains. One of our objectives today was to look for insects, but as this gorge is a known location for the enigmatic Wallcreeper, we also kept a sharp lookout for this bird. Parking at the eastern end of the gorge, we followed the well-trodden track westwards through a limestone gorge which is forested, predominately, by *Fagus sylvatica* (Beech), *Sambucus nigra* (Elderberry) and *Picea abies* (Norway Spruce). As we went, we recorded Mountain Green-veined White, Woodland Ringlet, Large White, Common Glider and Speckled Wood. For the birds, we managed to find the Wallcreeper, coming and going from its nest high on a cliff, which all of the group got to see well. Black Woodpecker was heard, and Nutcracker and Peregrine Falcon were also recorded.

Our last stop of the day was just outside the National Park, in the Plai Valley, where we visited a Bear-watching hide. During the course of our stay, about one and a quarter hours, we saw six female European Brown Bears, of differing ages, and a solitary Fox.

It was now time to return to our hotel for supper. Along the way we had good views of Lesser Spotted Eagle and White Stork.

## Day 3

Tuesday 25th June

### Sinaia, Parcal Natural Bucegi

This morning the moth trap produced Setaceous Hebrew Character, Buff Ermine, Hoary and Dingy Footmen, Burnished Brass, Common Wave, Heart and Dart, and Purple Marbled for the macros, and Small Magpie, Chestnut Tortrix, Large Fruit Tree Tortrix, the Crambid *Catoptria falsella*, and the Pyralid *Oncocera semirubella*, for the micros.

This morning, after breakfast, we made a prompt start, as we had to travel back towards the town of Sinaia, in order to visit the Bucegi Mountains, our only opportunity to visit a sub-alpine/alpine area during the tour. We travelled through Rasnov and Busteni. As we went, we recorded Raven, White Wagtail and Yellow-legged Gull.

At Sinaia we turned right and drove up into the mountains. Unfortunately, the temperature was quite cold, with a stiff breeze and a dampish feel to the air, which did not bode too well for insect hunting. However, we parked the bus at the road's high point, and set off to explore the grassy slopes. Butterflies seen during the morning were limited to Red Admiral, Painted Lady, Woodland Ringlet, Dewy Ringlet and Shepherd's Fritillary, mostly trying to avoid the inclement weather. Fortunately, there was other wildlife to enjoy. Common Kestrel, Northern Wheatear, White Wagtail, Raven, Common Swift, Water Pipit and Horned Lark were all seen. There were also a good number of plants in flower. These included *Pedicularis verticillata* (Whorled Lousewort), *Cerastium arvense* (Field Mouse-ear), *Potentilla aurea* (Golden Cinquefoil), *Gentiana acaulis* (Trumpet Gentian) and two local specialities, *Dianthus spiculifolius* (a Pink) and *Saxifraga corymbosa* (Corymbose Saxifrage).

When we returned to the vehicle, we made our way to a refugio for a comfort stop and coffee. Whilst there, we added Ring Ouzel, Grey Wagtail and Crossbill to the bird list.

After lunch we began to make our way downwards in developing sunshine, making a short diversion to explore the Turbina Laptici Reserve, a marsh situated by a river and passing through pine woodland. There is a duckboard walkway, but it is also possible to leave this. On the walkway we encountered Meadow Lizards, sunning themselves. In addition, were recorded Clouded Apollo, Chapman's Blue, Painted Lady, Pearl-bordered Fritillary, Peacock, Red Admiral, Green-veined White, Woodland Ringlet [f. *hippomedusa*] and Little Blue. There was also a good number of *Gymnadenia conopsea* (Fragrant Orchids) by the river.

It was now time to begin our homeward journey. As we were heading down towards Sinaia, some of the group managed to see a Camberwell Beauty, which had vanished by the time we stopped to check it out. Black Redstart and Hobby were also seen.

## Day 4

Wednesday 26th June

### Transfer from Zarnesti to Tulcea

Today we were to make the long drive from the Carpathians to Tulcea in the region of the Danube delta and the Black Sea, but not before we had examined the catch in the moth trap. Hoary Footman, Lime-speck Pug, Sycamore, Willow Beauty, Orange Moth, Treble-lines, Pale Prominent, Flame, Lime Hawk-moth, Great Oak Beauty, Marbled Minor, Maiden's Blush, Orache Moth, August Thorn and Clouded Border represented the macros, and Bramble-shoot Moth, European Corn Borer, Marbled Orchard Tortrix, Common Plume, the Elachistid *Ethmia bipunctata*, the Crambids *Ecpyrrhorhoe rubiginalis* and *Diasemia reticularis* represented the micros.

As it was transfer day, and we would be crossing the country to Tulcea, in the Dobrogea region, we took an early breakfast, before bidding farewell to Elena and George. We were soon heading north-east towards Brazov, where we turned south-east towards Cheia. Just north of the village, we made a stop at the Suzana Monastery. Parking the bus, we set off up into the wooded hill and meadows behind the buildings. Along the way we noted Common Kestrel, Hooded Crow, House Martin, Lesser Spotted Eagle, Red-backed Shrike, Song Thrush, Barn Swallow, Common Swift and Common Buzzard. Hungarian and Common Glider butterflies were fairly frequent, together with Ringlet, Dark Green Fritillary, Wood White, Large Skipper, Silver-spotted Skipper, Small White, Small Pearl-bordered Fritillary, Chestnut Heath, Eastern Bath White and Clouded Yellow. Other notable insects included Rose Chafer, and Sombre Goldenring and Green-eyed Hawker dragonflies. The meadows were a lovely show, with *Dianthus superbis* (Fringed Pink), *Betonica officinalis* (Betony) and *Lysimachia nummularia* (Creeping Jenny).

We now moved on south towards Ploiesti, where we took a comfort/coffee break, on the outskirts of the town. At the Service Station were recorded Eurasian Sparrowhawk and Scarce Swallowtail butterfly. Our route now took us eastwards towards Urziceni. As we went, Magpie, Common Kestrel and Barn Swallow were all noted. A little west of the town, we made our second stop of the day at the Lake Rodeanu, a place with plenty of interest for all. Here we checked out the banks, vegetation and reeds, finding Lesser Fiery Copper, Silver-spotted Skipper, Small Heath, Idas Blue, Silver-studded Blue, Dingy Skipper and Eastern Pale Clouded Yellow butterflies, together with Lesser Emperor and Black-tailed Skimmer dragonflies and Blue-tailed Damselfly. There

was also plenty of birdlife with Great Reed Warbler, Common Shelduck, Common Pochard, Ferruginous Duck, Spoonbill, Great White Pelican, Western Cattle Egret, Squacco Heron, Little Egret, Hobby, Black-necked Grebe, Sand Martin, Ruff, Pied Avocet and Western Marsh Harrier.

Moving on through Urziceni, we continued eastwards to Slobozia and Tandarei, eating our sandwiches as we went. In Slobozia, we made a second comfort/coffee stop before embarking on the last leg of our journey to Tulcea, in the Region of Dobrogea. After crossing the Danube, at Harsova, we continued to the town, set on the Danube, and our destination, the comfortable Ibis Hotel. Soon we were settled into our rooms, with a short period before our evening meal.

## Day 5

Thursday 27th June

### Dobrogea, The Babadag Forest

It was a new experience for our leaders to set a moth trap in an urban setting, with a large amount of light pollution. However, we did catch some moths. These included Scarce Bordered Straw, Silver-Y, Pease Blossom, Spotted Sulphur, Cream-bordered Green Pea and Scarce Footman for the macros, and Rush Veneer, Common Plume, Gold Triangle and Goldenrod Plume, for the micros.

After a leisurely breakfast, we joined our vehicle for the day's excursion south along the western shoreline of the Black Sea. The bulk of the day was to be spent in the Babadag Forest, a special area with unique plants and insects. Florin and Paul were joined by Mihai Petresu, a local botanist and expert historian on the Dobrogea area, who gave a fascinating insight into the landscapes and history and showed us many of the special plants of the area.

Our first stop of the day was on the E87, Constanta road, where we parked in a wide layby, and prepared to spend the morning exploring an area of woodland in the 'Balkan layer of vegetation'. The layby produced Scarce Swallowtail, Painted Lady, male and female Meleager's Blue, Large White and Silver-washed Fritillary butterflies. We crossed the road and made our way down a track. Eastern Bath White, Marbled Fritillary, Silver-washed Fritillary [f. *valezina*], Great Banded Grayling, Holly Blue, Comma Butterfly, Woodland Grayling, Small Heath and Dingy Skipper butterflies were all seen. There were also some other insects, including the splendid Great Capricorn Beetle, European Paper Wasp, and Ruddy Darter and Small Emerald dragonflies. Bird highlights were Middle Spotted Woodpecker and Red-breasted Flycatcher.

Returning to our vehicle, we moved on about three miles to a second location. Here the forest was much sparser, with areas of dry grassland between. Our efforts produced Scarce Swallowtail, Meleager's Blue, Common Blue and Niobe Fritillary butterflies, we enjoyed good views of Levant Sparrowhawk, Ortolan Bunting, Long-legged Buzzard and Isabelline Wheatear, and Turtle Dove was heard. The superb, and restricted, Bush-cricket, *Saga pedo* and Balkan Whip Snake were also found.

Our picnic was taken under some trees on the southern edge of the forest, at our third location. During the meal, Corn Bunting and Red-backed Shrike were seen. After eating, examination of the area produced Marbled White, Small Copper, Silver-studded Blue, Small White and Painted Lady, as well as Forester and Scarce Bordered Straw moths.

Our final stop of the day was north-west of Babadag, in another area of marginal forest, near Ciucurova. This area had been quite badly affected by rain and floodwater and, although it had now subsided, the evidence was all round us. Nonetheless, we set off in search of further insects. Before long we found Small Skipper, Brown Hairstreak, Queen of Spain Fritillary, Sloe Hairstreak, Adonis Blue, Lesser Spotted Fritillary, Oriental Marbled Skipper and Large Skipper. The most spectacular find was a Bronze Glandular Bush-cricket. This large armoured insect was making its way through the ground vegetation. We also saw Balkan Green Lizard and Booted Eagle.

Upon our return to Tulcea, we said our thanks and goodbyes to Mihai. [N.B. During our three stops in the Babadag Forest, Mihai had been making a list of the plants we had seen. This list is included at the end of this report.]

## Day 6

Friday 28th June

### Somova, Machin Mountains (Pricopan Ridge)

After breakfast at 8am, we boarded our vehicle and set off in a westerly direction to Somova. This is an area of sandy, grassy hillsides overlooking the Danube river system. Here, Florin gave us an explanation of the geographical and geological history of this mighty river and the formation of the delta. We also recorded several European Soustiks, and Adonis Blue, Eastern Baton Blue, Wall Brown, Mallow Skipper and Eastern Bath White butterflies. Below, in the river and wetlands, there were Glossy Ibis, Ferruginous Duck, Whiskered Tern, Caspian Gull and Red-necked Grebe, whilst above us, Hobby, Booted Eagle and Long-legged Buzzard were seen.

Continuing westwards, we made our way towards Greci where our next stop was in the Macin Mountains National Park, at the Pricopan Ridge. As we went, we saw European Bee-eater, Golden Oriole, and White Stork. Florin advised us that this place had a local name, 'the oven', and we soon realised why, with temperatures in the upper 30's in the shade. Up a small valley, a narrow stream attracted numerous butterflies, including Cardinal, Great Banded Grayling, Wall Brown, Brown Argus, Common Blue, Scarce Swallowtail, Marbled White, Lesser Fiery Copper, Queen of Spain Fritillary, Small Copper, Holly Blue, Lesser Spotted Fritillary and Meadow Brown. Red-rumped Swallow, Levant Sparrowhawk, Isabelline Wheatear and European Roller were also recorded. Lunch was taken in the shade of some trees and the bus, before we moved on.

We now moved eastwards along the southern escarpment of the Macin Mountains to the village of Greci, where we drove slowly through the dry grazing land below the mountains. Firstly, we explored the path up towards Cartalu Peak, although little new was added. We then stopped by a plantation of *Quercus pubescens* (Downy Oak). Here, we encountered the hatching of female Gypsy Moths, causing mass excitement in the males. The females were being mated and laying eggs in large numbers. We also found Geometrician moth, Stag Beetles, Great Capricorn Beetle and the Pyralid Moth *Aphomia zelleri*. We were very lucky to witness this spectacle.

It was now time to make our way back to the hotel.

## Day 7

Saturday 29th June

### The Danube Delta

After another fine breakfast, we walked down to the river to board a small excursion boat, used as a bird-watching platform in the delta. Along the way we saw Caspian Gull, Common Swift and Jackdaw. Our route took us down the main Sulina Branch of the Danube. After about 30 minutes we turned left into the Channel Mila 36. Early sightings included Barn Swallow, White Stork, Little Egret, House Martin, Hobby, Common Cuckoo and Kingfisher.

Our prime objective for the day was to try to find Freyer's Purple Emperor. This rare and local butterfly is quite restricted in its distribution, and the Danube Delta is one of its strongholds, where the willows are the larval foodplant. Several were seen basking high on the Oak trees bordering the channels. As we turned left for the second time, entering the Channel Sireasa, we encountered two or three of the Emperors basking at much lower stations, which enabled the photographers to take lots of pictures. The only other species of butterfly we saw during the day, was Small White. Other insects included Banded Demoiselle and Small Red-eyed damselflies and River Club-tail dragonfly. We also found European Pond Terrapin, Grass Snake and Danube Crested Newt, as well as numerous hybrid Marsh Frogs.

The later part of the day was spent in and around Lake Topalca, before retracing our steps back to Tulcea. Any visit to this World Heritage Site means that you will encounter a large number of bird species, many in enormous numbers, and our day was no different. Lesser Spotted Woodpecker, Eastern Olivaceous Warbler, Squacco Heron, Icterine Warbler, Glossy Ibis, Black-crowned Night Heron, Great Egret, Grey-headed Woodpecker, Golden Oriole, White-tailed Eagle, Common Redstart, Spotted Redshank, Whiskered and Black Terns, Red-necked and Black-necked Grebes and European Roller were among the sightings we had.

## Day 8

Sunday 30th June

### Tulcea to Bucharest Airport

A final moth trap produced an Emerald, several Scarce Bordered Straws, Nutmeg, Beautiful Brocade and Turnip Moth for the macros and the Pyralid *Etiella zinckenella* and Chestnut Tortrix for the micros.

After breakfast it was time to bid farewell to the hotel's staff and to John, who was staying on to continue his holiday, and begin the journey back to Bucharest.

We made our first stop near Garlieiu, at Lake Hazarlac. Here we saw Eastern Bath White, Oriental Marbled Skipper, Brown Argus, Painted Lady and Lesser Fiery Copper butterflies, as well as Rose-banded Wave and Silver-Y moths. For the birds, there was Great Reed Warbler, Great Egret, Beaded Reedling, Great White Pelican and Little Bittern.

Moving a little way inland, we stopped in some hilly grassland overlooking an extensive area of wetland. Here, we added Small Heath and Painted Lady butterflies and Rush Veneer, Common Heath and Geometrician moths, as well as Spurge Hawk-moth caterpillar. The wetland had large numbers of feeding and resting birds, among

them, Collared Pratincole, Sand Martin, Black-winged Stilt, Lapwing, Green, Common and Wood Sandpipers, Ruff, Ruddy Shelduck and Little Stint.

Continuing our journey, we made a comfort and lunch stop in Slobozia, and made Bucharest Airport in good time for our homeward flights.

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Dewy Ringlet



Gypsy Moths



Thistle Ermine



Tineid - *Monopis monachella*



## Species Lists

Butterflies (✓=recorded but not counted; H = heard only);C = Caterpillar; F = Field; T - Trap

	Common name	Scientific name	June							
			23	24	25	26	27	28	29	30
1	European Swallowtail	<i>Papilio machaon</i>		C						
2	Scarce Swallowtail	<i>Iphiclides podalirius</i>				✓	✓	✓		
3	Clouded Apollo	<i>Parnassius mnemosyne</i>			✓					
4	Large White	<i>Pieris brassicae</i>		✓	✓	✓	✓	✓		
5	Small White	<i>Pieris rapae</i>		✓	✓	✓	✓	✓	✓	✓
6	Southern Small White	<i>Pieris mannii</i>					✓			
7	Green-veined White	<i>Pieris napi</i>			✓					
8	Mountain Green-veined White	<i>Pieris bryoniae carpathensis</i>		✓	✓					
9	Eastern Bath White	<i>Pontia edusa</i>				✓	✓	✓		✓
10	Orange Tip	<i>Anthocharis cardamines</i>		✓						
11	Clouded Yellow	<i>Colias crocea</i>				✓				
12	Berger's Clouded Yellow	<i>Colias alfaciensis</i>		✓						
13	Eastern Pale Clouded Yellow	<i>Colias erate</i>				✓				
14	Brimstone	<i>Gonepteryx rhamni</i>		✓		✓				
15	Wood White	<i>Leptidea sinapis</i>		✓		✓	✓			
16	Eastern Wood White	<i>Leptidea duponcheli</i>						✓		
17	Brown Hairstreak	<i>Thecla betulae</i>					✓			
18	Sloe Hairstreak	<i>Satyrium acaciae</i>					✓	✓		
19	White-letter Hairstreak	<i>Styrium w-album</i>					✓			
20	Small Copper	<i>Lycaena phlaeas</i>		✓			✓	✓		
21	Large Copper	<i>Lycaena dispar</i>		✓				✓		
22	Sooty Copper	<i>Lycaena tityrus</i>		✓						
23	Lesser Fiery Copper	<i>Lycaena thersamon</i>				✓	✓	✓		✓
24	Short-tailed Blue	<i>Cupido argiades</i>		✓		✓				
25	Holly Blue	<i>Celastrina argiolus</i>					✓	✓		
26	Green-underside Blue	<i>Glaucopteryx alexis</i>	✓	✓			✓	✓		
27	Bavius Blue	<i>Pseudophotes bavius hungarica</i>					✓			
28	Chequered Blue	<i>Scolitantides orion</i>						✓		
29	Silver-studded Blue	<i>Plebejus argus</i>				✓	✓	✓		
30	Idas Blue	<i>Plebejus idas</i>				✓		✓		✓
31	Brown Argus	<i>Aricia agestis</i>				✓		✓		✓
32	Chapman's Blue	<i>Polyommatus thersites</i>			✓	✓		✓		
33	Meleager's Blue	<i>Polyommatus daphnis</i>					✓	✓		
34	Adonis Blue	<i>Polyommatus bellargus</i>					✓	✓		
35	Common Blue	<i>Polyommatus icarus</i>		✓	✓		✓	✓		
36	Duke of Burgundy Fritillary	<i>Hamearis lucin</i>		✓						
37	Purple Emperor	<i>Apatura iris</i>		✓						
38	Lesser Purple Emperor	<i>Apatura ilia</i>		✓						
39	Freyer's Purple Emperor	<i>Apatura metis</i>								✓
40	Common Glider	<i>Neptis sappho</i>		✓			✓	✓		
41	Hungarian Glider	<i>Neptis rivularis</i>		✓		✓				
42	Camberwell Beauty	<i>Nymphalis antiopa</i>			✓					
43	Large Tortoiseshell	<i>Nymphalis polychloros</i>		✓			✓			
44	Yellow-legged Tortoiseshell	<i>Nymphalis xanthomelas</i>		✓						
45	Peacock	<i>Aglais io</i>			✓	✓	✓			
46	Red Admiral	<i>Vanessa atalanta</i>		✓	✓	✓	✓	✓	✓	

	Common name	Scientific name	June								
			23	24	25	26	27	28	29	30	
47	Painted Lady	<i>Vanessa cardui</i>		T/F	T/F	T/F			✓	✓	✓
48	Small Tortoiseshell	<i>Aglais urticae</i>			✓	✓	✓				
49	Comma Butterfly	<i>Polygonum c-album</i>		✓			✓	✓			
50	Map Butterfly	<i>Araschnia levana</i>		✓	✓	✓					
51	Cardinal Fritillary	<i>Argynnis pandora</i>					✓	✓			
52	Silver-washed Fritillary	<i>Argynnis paphia</i>					✓	✓			
53	Dark Green Fritillary	<i>Argynnis aglaja</i>		✓		✓					
54	Niobe Fritillary	<i>Argynnis niobe</i>		✓			✓				
55	Queen of Spain Fritillary	<i>Issoria lathonia</i>					✓	✓			
56	Marbled Fritillary	<i>Brenthis daphne</i>					✓	✓			
57	Lesser Marbled Fritillary	<i>Brenthis ino</i>		✓							
58	Shepherd's Fritillary	<i>Boloria pales carpathomeridionalis</i>			✓						
59	Pearl Bordered Fritillary	<i>Boloria euphrosyne</i>		✓	✓	✓		✓			
60	Small Pearl-bordered Fritillary	<i>Boloria selene</i>		✓							
61	Weaver's Fritillary	<i>Boloria dia</i>		✓	✓						
62	Knapweed Fritillary	<i>Melitaea phoebe</i>		✓							
63	Lesser Spotted Fritillary	<i>Melitaea trivia</i>					✓	✓			
64	Heath Fritillary	<i>Mellicta athalia</i>		✓							
65	Marbled White	<i>Melanargia galathea</i>		✓	✓		✓	✓			
66	Woodland Grayling	<i>Hipparchia fagi</i>					✓				
67	Great Banded Grayling	<i>Kanetisa circe</i>					✓	✓			
68	Woodland Ringlet	<i>Erebia medusa</i>		✓	✓						
69	Dewy Ringlet	<i>Erebia pandrose cibinica</i>			✓						
70	Meadow Brown	<i>Maniola jurtina</i>		✓	✓	✓	✓	✓	✓	✓	
71	Ringlet	<i>Aphantopus hyperantus</i>		✓		✓	✓				
72	Small Heath	<i>Coenonympha pamphilus</i>		✓		✓	✓	✓			
73	Pearly Heath	<i>Coenonympha arcania</i>		✓							
74	Chestnut Heath	<i>Coenonympha glycerion</i>		✓	✓	✓					
75	Speckled Wood	<i>Pararge aegeria tircis</i>		✓					✓		
76	Wall Brown	<i>Lasiommata megera</i>							✓		✓
77	Large Wall Brown	<i>Lasiommata maera</i>		✓	✓				✓		
78	Grizzled Skipper	<i>Pyrgus malvae</i>							✓		
79	Mallow Skipper	<i>Carcharodus alceae</i>							✓		
80	Oriental Marbled Skipper	<i>Carcharodus orientalis</i>						✓			✓
81	Dingy Skipper	<i>Erynnis tages</i>				✓	✓	✓			
82	Essex Skipper	<i>Thymelicus lineola</i>		✓							
83	Small Skipper	<i>Thymelicus sylvestris</i>						✓			
84	Silver-spotted Skipper	<i>Hesperia comma</i>						✓			
85	Large Skipper	<i>Ochlodes venatus</i>		✓		✓	✓	✓			

## Micro Moths

1	Tineid	<i>Triaxomera fulvimitrella</i>		F							
2	Tineid	<i>Monopis obviella</i>		T	T						
3	Elachistid	<i>Ethmia bipunctella</i>				T					
4	Goldenrod Plume	<i>Platyptilia calodactyla</i>						T			
5	White Plume Moth	<i>Pterophorus pentadactyla</i>				T					
6	Common Plume	<i>Emmelina monodactyla</i>			T		T				
7	Large Fruit Tree Tortrix	<i>Archips podana</i>			T						
8	Marbled Orchard Tortrix	<i>Hedya nubiferana</i>				T					

	Common name	Scientific name	June							
			23	24	25	26	27	28	29	30
9	Bud Moth	<i>Spilonota ocellana</i>		T						
10	Tortrix	<i>Cydia servillana</i>		T	T					
11	Chestnut Tortrix	<i>Cydia splendana</i>		T	T	T				T
12	Bramble-shoot Moth	<i>Notocelia uddmanniana</i>				T				
13	Pyralid	<i>Aphomia zelleri</i>						F		
14	Meal Moth	<i>Pyralis farinalis</i>		T						
15	Pyralid	<i>Aglossa brabanti</i>						T		
16	Gold Triangle	<i>Hypsopygia costalis</i>						T		
17	Pyralid	<i>Hypsopygia glaucinalis</i>		T						
18	Pyralid	<i>Oncocera semirubella</i>			T					
19	Thistle Ermine	<i>Myelois cicumyoluta</i>						F		
20	Pyralid	<i>Etiella zinckenella</i>								T
21	Crambid	<i>Diasemia reticularis</i>				T				
22	Garden Grass Veneer	<i>Chrysoteuchia culmella</i>		T						
23	Crambid	<i>Crambus perlella</i>						F		
24	Crambid	<i>Agriphila staminella</i>		T						
25	Crambid	<i>Catoptria falsella</i>			T					
26	Mint Moth	<i>Pyrausta aurata</i>						T		
27	Crambid	<i>Pyrausta despicata</i>		T						
28	Small Magpie	<i>Anania hortulata</i>			T					
29	Crambid	<i>Anania perlucidalis</i>		T						
30	Crambid	<i>Ecpyrrhorrhoe rubiginalis</i>				T				
31	European Corn-borer	<i>Ostrinia nubilalis</i>			T	T	T			
32	Mother of Pearl	<i>Pleuroptya ruralis</i>		T						
33	Box Tree Moth	<i>Cydalima perspectalis</i>		T	T	T				
34	Box Tree Moth [Dark form]	<i>Cydalima perspectalis</i>		T						
35	Rush Veneer	<i>Nomophila noctuella</i>		T	T/F	F	T			

## Macro Moths

1	Forester	<i>Adscita statices</i>		F			F			
2	Six-spot Burnet	<i>Zygaena filipendulae</i>		F						
3	Grass Emerald	<i>Pseudoterpna pruinata acropunctaria</i>						F		
4	an Emerald	<i>Phaiogramma etruscaria</i>								T
5	Mocha	<i>Cyclophora annularia</i>		T						
6	Maiden's Blush	<i>Cyclophora punctaria</i>				T				
7	Blood-vein	<i>Timandra comae</i>				T	F			
8	Rose-banded Wave	<i>Rhodostrophia vibicaria</i>		F			F		F	F
9	European Geometrid	<i>Lythria purpuraria</i>					F			
10	Ochraceous Wave	<i>Idaea serpentata</i>		F						
11	Plain wave	<i>Idaea straminata</i>		T						
12	Garden Carpet	<i>Xanthorhoe fluctuata</i>		T						
13	Argent & Sable	<i>Rheumaptera hastata</i>			F					
14	Lime-speck Pug	<i>Eupithwcia centaureata</i>		T	T	T				
15	V-Pug	<i>Chloroclystis v-ata</i>				T				
16	Clouded Border	<i>Lomaspilis marginata</i>		T	T	T				
17	Latticed Heath	<i>Chiasmia clathrata</i>				T				
18	August Thorn	<i>Emmonos quercinaria</i>				T				
19	Orange Moth	<i>Angerona prunaria f. corylaria</i>		T	T					
20	Peppered Moth	<i>Biston betularia</i>		T						

	Common name	Scientific name	June							
			23	24	25	26	27	28	29	30
21	Peppered Moth	<i>Biston betularia f. carbonaria</i>		T						
22	Willow Beauty	<i>Peribatodes rhomboidana</i>		T	T	T				
23	Great Oak Beauty	<i>Hypomecis roboraria</i>				T				
24	Common Wave	<i>Cabera exanthemata</i>			T					
25	Lime Hawk-moth	<i>Mimas tiliae</i>				T				
26	Humming-bird Hawk-moth	<i>Macroglossum stellatarum</i>		F						
27	Spurge Hawk-moth	<i>Hyles euphorbiae</i>								C
28	Elephant Hawk-moth	<i>Deilephila elpenor</i>		T						
29	Pale Prominent	<i>Pterostoma palpina</i>				T				
30	Oak Marbled Brown	<i>Drymonia querna</i>			T					
31	Gypsy Moth	<i>Lymantria dispar</i>						F		
32	Red-necked Footman	<i>Atolmis rubicollis</i>		T	T	T				
33	Dingy Footman	<i>Eilema griseola</i>			T					
34	Hoary Footman	<i>Eilema caniola</i>			T	T				
35	Pigmy Footman	<i>Eilema pygmaeola</i>		T						
36	Scarce Footman	<i>Eilema complana</i>				T				
37	Common Footman	<i>Eilema lurideola</i>			T					
38	Buff Ermine	<i>Spilosoma luteum</i>			T	T				
39	Jersey Tiger	<i>Euplagia quadripunctata</i>						F		
40	Nine-spotted	<i>Amata phegea</i>						F	F	
41	Short-cloaked Moth	<i>Nola cucullatella</i>				T				
42	Turnip Moth	<i>Agrotis segetum</i>								T
43	Heart and Dart	<i>Agrotis exclamationis</i>		T	T	T				
44	The Flame	<i>Axylia putris</i>		T	T	T				
45	Flame Shoulder	<i>Ochropleura plecta</i>		T	T	T				
46	Setaceous Hebrew Character	<i>Xestia c-nigrum</i>		T	T	T				
47	Double Square-spot	<i>Xestia triangulum</i>		T						
48	Nutmeg	<i>Discestra trifolii</i>								T
49	The Stranger	<i>Laconobia blenna</i>		T						T
50	Sycamore	<i>Acronicta aceris</i>				T				
51	Grey Dagger agg.	<i>Acronicta psi</i>	F	T						
52	Marsh Dagger	<i>Acronicta strigosa</i>		T						
53	Knot Grass	<i>Acronicta rumicis</i>		C						
54	Orache Moth	<i>Trachea atriplicis</i>			T	T				
55	Dusky Brocade	<i>Apamea remissa</i>				T				
56	Marbled Minor agg.	<i>Oligia strigilis</i>		T		T				
57	Treble Lines	<i>Charanyca trigrammica</i>				T				
58	Uncertain agg.	<i>Hoplodrina alsines</i>		T						
59	European Noctuid	<i>Caradrina flavirena</i>		T						
60	Pease Blossom	<i>Periphanes delphinii</i>				T				
61	Scarce Bordered Straw	<i>Helicoverpa armigera</i>				T/F				T
62	Purple Marbled	<i>Eublemma ostrina</i>			T					
63	Marbled White Spot	<i>Protodeltote pygarga</i>		T		T				
64	Spotted Sulphur	<i>Emmelia trabealis</i>		T			T			
65	Druid	<i>Aedia funesta</i>		T						
66	Pale Shoulder	<i>Acontia lucida</i>						F		
67	Cream-bordered Green Pea	<i>Earias clorana</i>		T			T		F	
68	Burnished Brass	<i>Diachrysia chrysitis</i>			T					
69	Silver-Y	<i>Autographa gamma</i>	F	F	T/F	T/F	T/F	F		T/F
70	Geomatrician	<i>Prodotis stolida</i>						F		

	Common name	Scientific name	June							
			23	24	25	26	27	28	29	30
71	Burnet Companion	<i>Euclida glyphica</i>		T		F				
72	Four-spotted	<i>Tyta luctuosa</i>		T						
73	Straw Dot	<i>Rivula sericealis</i>		T	T	T				
74	Fan-foot	<i>Zanclognatha tarsipennalis</i>				T				

## Other Invertebrates

1	Banded Demoiselle	<i>Calopteryx splendens</i>								F
2	Beautiful Demoiselle	<i>Calopteryx virgo</i>		F						
3	Common Bluet	<i>Enallagma cyathigerum</i>				F				
4	Small Red-eyed Damselfly	<i>Erythromma viridulum</i>								F
5	Common Blue-tail	<i>Ischnura elegans</i>				F				F
6	Sombre Goldenring	<i>Cordulegaster bidentata</i>		F		F				
7	Green-eyed Hawker	<i>Aeshna isocetes</i>				F	F			F
8	Blue Emperor	<i>Anax imperator</i>								F
9	Lesser Emperor	<i>Anax parthenope</i>				F				F
10	Broad Scarlet	<i>Crocothemis erythraea</i>							F	F
11	Broad-bodied Chaser	<i>Libellula depressa</i>		F						
12	River Club-tail	<i>Gomphus flavipes</i>							F	F
13	Southern Skimmer	<i>Orthetrum brunneum</i>							F	
14	Black-tailed Skimmer	<i>Orthetrum cancellatum</i>				F				F
15	Keeled Skimmer	<i>Orthetrum coerulescens</i>								F
16	Red-veined Darter	<i>Sympetrum fonscolombii</i>							F	
17	Ruddy Darter	<i>Sympetrum sanguineum</i>					F			F
18	Red-winged Grasshopper	<i>Oedipoda germanica</i>					F	F		
19	Bronze Glandular Bush-cricket	<i>Bradyporus dasyptus</i>					F			
20	Praying Mantis	<i>Mantis religiosa</i>					F	F		
21	Common Earwig	<i>Forficula auricularia</i>			T					
22	Green Shield Bug	<i>Palomena prasina</i>						T		
23	Shield Bug	<i>Graphosoma lineatum (G. italicum)</i>		F						
24	Forest Bug	<i>Pentatoma rufipes</i>						T		
25	Leather Bug or Squash Bug	<i>Syromastes rhombeus</i>		F						
26	Fire Bug	<i>Pyrrhocoris apterus</i>						F		
27	Assassin Bug	<i>Rhinocoris iracundus</i>						F		
28	Cicada	<i>Tibicen plebejus</i>						F	H	
29	Ant Lion	<i>Neuroleon c.f. nemausiensis</i>						F		
30	Down-facing Snipe Fly	<i>Rhagio scolopaceae</i>		T						
31	Horse-fly	<i>Tabanidae sp.</i>		T	F					
32	Robber-fly	<i>Asilid sp.</i>		F						
33	Bee Fly	<i>Bombylius sp.</i>							F	
34	a Ruby-tailed Wasp	<i>Scolia hirta</i>							F	
35	Hornet	<i>Vesper crabro</i>						F	F	F
36	European Paper Wasp	<i>Polistes gallicus</i>						F	F	
37	Carpenter Bee	<i>Xylocopa sp.</i>						F	F	
38	Honey Bee	<i>Apis mellifera</i>		F	F			F	F	
39	White -tailed Bumblebee	<i>Bombus lucorum</i>			F					
40	Ground Beetle	<i>Carabus ullrichii</i>			F					
41	Violet Ground Beetle	<i>Carabus violaceus</i>		F	F					
42	Lesser Stag Beetle	<i>Dorcus parallelipedus</i>							F	
43	Dor Beetle	<i>Geotrupes stercorarius</i>			F					

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			23	24	25	26	27	28	29	30
44	Stag Beetle	<i>Lucanus cervus</i>						F		
45	Summer Chafer	<i>Amphimallon solstitialis</i>		T	T		T			
46	Chafer	<i>Oxythyrea funesta</i>							F	F
47	Rose Chafer	<i>Cetonia aurata</i>		F	F	F				
48	Black Click Beetle	<i>Elateridae sp.</i>			T					
49	Soldier Beetle	<i>Cantharis rustica</i>		T	T	T	T			
50	Soldier Beetle	<i>Triodes alvearius</i>						F		
51	Harlequin Ladybird	<i>Harmonia axyridis</i>		F	T		T			F
52	Seven-spot Ladybird	<i>Coccinella 7-punctata</i>		F		F	F	F		
53	Two-spot Ladybird	<i>Adalia bipunctata</i>	F	F				F		
54	Great Capricorn Beetle	<i>Cerambix cerdo</i>					F	F		
55	a Wasp Beetle	<i>Chlorophorus varius</i>								F
56	Crab Spider	<i>Misumena vatia</i>					F			
57	Araneid Spider	<i>Araneus diadematus</i>					F			

## Birds (LO = leader only)

1	Eastern Greylag Goose	<i>Anser anser rubrirostris</i>				✓		✓	✓	
2	Mute Swan	<i>Cygnus olor</i>				✓		✓	✓	
3	Common Shelduck	<i>Tadorna tadorna</i>				✓				
4	Ruddy Shelduck	<i>Tadorna ferruginea</i>								✓
5	Garganey	<i>Spatula querquedula</i>							✓	
6	Gadwall	<i>Mareca strepera</i>							✓	
7	Mallard	<i>Anas platyrhynchos</i>	✓			✓		✓	✓	✓
8	Red-crested Pochard	<i>Netta rufina</i>				✓		✓		
9	Common Pochard	<i>Aythya ferina</i>				✓		✓	✓	
10	Ferruginous Duck	<i>Aythya nyroca</i>				✓		✓	✓	✓
11	Common Goldeneye	<i>Bucephala clangula</i>							✓	
12	Alpine Swift	<i>Tachymartus melba</i>		✓						
13	Common Swift	<i>Apus apus</i>	✓	✓	✓	✓			✓	✓
14	Common Cuckoo	<i>Cuculus canorus</i>				✓		H	✓	H
15	Rock Dove [Feral]	<i>Columba livia 'feral'</i>	✓	✓	✓	✓	✓	✓	✓	✓
16	Stock Dove	<i>Columba oenas</i>							✓	
17	Common Wood Pigeon	<i>Columba palumbus</i>	✓	✓	✓	✓	✓	✓	✓	
18	European Turtle Dove	<i>Streptopelia turtur</i>		✓		✓	✓	H		
19	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	✓	✓	✓	✓	✓	✓	✓	✓
20	Common Moorhen	<i>Gallinula chloropus</i>							✓	
21	Eurasian Coot	<i>Fulica atra</i>				✓	✓		✓	✓
22	Little Grebe	<i>Tachybaptus ruficollis</i>				✓			✓	
23	Red-necked Grebe	<i>Podiceps grisegena</i>							✓	
24	Great Crested Grebe	<i>Podiceps cristatus</i>						✓	✓	✓
25	Black-necked Grebe	<i>Podiceps nigricollis</i>				✓			✓	
26	Black-winged Stilt	<i>Himantopus himantopus</i>				✓				✓
27	Pied Avocet	<i>Recurvirostra avosetta</i>				✓				
28	Northern Lapwing	<i>Vanellus vanellus</i>				✓				✓
29	Little Ringed Plover	<i>Charadrius dubius</i>								✓
30	Black-tailed Godwit	<i>Limosa limosa</i>								✓
31	Ruff	<i>Philomachus pugnax</i>				✓			✓	✓
32	Little Stint	<i>Calidris minuta</i>								✓
33	Common Sandpiper	<i>Actitis hypoleucos</i>							✓	✓

	Common name	Scientific name	June							
			23	24	25	26	27	28	29	30
34	Green Sandpiper	<i>Tringa ochropus</i>							✓	✓
35	Wood Sandpiper	<i>Tringa glareola</i>								✓
36	Spotted Redshank	<i>Tringa erythropus</i>							✓	
37	Common Greenshank	<i>Tringa nebularia</i>							✓	
38	Collared Pratincole	<i>Glareola pratincola</i>								✓
39	Black-headed Gull	<i>Chroicocephalus ridibundus</i>				✓		✓	✓	✓
40	Pallas's Gull	<i>Ichthyaetus ichthyaetus</i>							✓	
41	Caspian Gull	<i>Larus cachinnans</i>				✓	✓	✓	✓	✓
42	Yellow-legged Gull	<i>Larus michahellis</i>			✓					
43	Common Tern	<i>Sterna hirundo</i>						✓	✓	
44	Whiskered Tern	<i>Chlidonias hybrida</i>					✓	✓	✓	✓
45	Black Tern	<i>Chlidonias niger</i>				✓		✓	✓	
46	White Stork	<i>Ciconia ciconia</i>	✓	✓	✓	✓	✓	✓	✓	✓
47	Pygmy Cormorant	<i>Microcarbo pygmeus</i>				✓			✓	✓
48	Great Cormorant	<i>Phalacrocorax carbo</i>				✓	✓	✓	✓	
49	Glossy Ibis	<i>Plegadis falcinellus</i>				✓		✓	✓	✓
50	Eurasian Spoonbill	<i>Platalea leucorodia</i>				✓				
51	Little Bittern	<i>Ixobrychus minutus</i>								✓
52	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	✓						✓	
53	Squacco Heron	<i>Ardeola ralloides</i>				✓			✓	
54	Grey Heron	<i>Ardea cinerea</i>	✓			✓		✓	✓	✓
55	Purple Heron	<i>Ardea purpurea</i>				✓			✓	✓
56	Great Egret	<i>Ardea alba</i>	✓			✓		✓	✓	✓
57	Little Egret	<i>Egretta garzetta</i>	✓			✓			✓	✓
58	Great White Pelican	<i>Pelecanus onocrotalus</i>				✓		✓	✓	✓
59	Dalmatian Pelican	<i>Pelecanus crispus</i>							✓	
60	European Honey Buzzard	<i>Pernis apivorus</i>								
61	Lesser Spotted Eagle	<i>Clanga pomarina</i>		✓		✓				
62	Booted Eagle	<i>Hieraaetus pennatus</i>					✓	✓		
63	Levant Sparrowhawk	<i>Accipiter brevipes</i>		✓			✓	✓		
64	Western Marsh Harrier	<i>Circus aeruginosus</i>				✓			✓	✓
65	Montagu's Harrier	<i>Circus pygargus</i>				✓				
66	White-tailed Eagle	<i>Haliaeetus albicilla</i>						✓	✓	
67	Long-legged Buzzard	<i>Buteo rufinus</i>					✓	✓		✓
68	Common Buzzard	<i>Buteo buteo</i>	✓	✓	✓	✓				
69	Little Owl	<i>Athene noctua</i>		✓		✓				
70	Long-eared Owl	<i>Asio otus</i>	H			✓				
71	Eurasian Hoopoe	<i>Upupa epops</i>						✓	✓	✓
72	European Roller	<i>Coracias garrulus</i>						✓	✓	✓
73	Common Kingfisher	<i>Alcedo atthis</i>							✓	
74	European Bee-eater	<i>Merops apiaster</i>				✓	✓	✓		✓
75	Middle Spotted Woodpecker	<i>Dendrocoptes medius</i>		✓			H		✓	
76	Lesser Spotted Woodpecker	<i>Dryodates minor</i>							✓	
77	Syrian Woodpecker	<i>Dendrocopos syriacus</i>		✓						
78	Great Spotted Woodpecker	<i>Dendrocopos major</i>		✓	H	✓	✓	✓	✓	
79	Black Woodpecker	<i>Dryocopus martius</i>		H					H	
80	European Green Woodpecker	<i>Picus viridis</i>		✓						
81	Grey-headed Woodpecker	<i>Picus canus</i>							✓	
82	Common Kestrel	<i>Falco tinnunculus</i>		✓	✓	✓	✓	✓	✓	✓
83	Red-footed Falcon	<i>Falco vespertinus</i>								✓

	Common name	Scientific name	June							
			23	24	25	26	27	28	29	30
84	Eurasian Hobby	<i>Falco subbuteo</i>			✓	✓	✓	✓	✓	✓
85	Peregrine Falcon	<i>Falco peregrinus</i>		✓						
86	Red-backed Shrike	<i>Lanius collurio</i>		✓		✓	✓	✓	✓	
87	Lesser Grey Shrike	<i>Lanius minor</i>				LO				
88	Eurasian Golden Oriole	<i>Oriolus oriolus</i>		H		✓	H	✓	✓	
89	Eurasian Jay	<i>Garrulus glandarius</i>		✓	✓					
90	Eurasian Magpie	<i>Pica pica</i>		✓	✓	✓	✓	✓	✓	✓
91	Spotted Nutcracker	<i>Nucifraga caryocatactes</i>		✓						
92	Eastern Jackdaw	<i>Coloeus monedula soemmerringii</i>	✓	✓	✓	✓	✓	✓	✓	✓
93	Rook	<i>Corvus frugilegus</i>		✓		✓	✓	✓	✓	✓
94	Hooded Crow	<i>Corvus cornix</i>	✓	✓	✓	✓	✓	✓	✓	✓
95	Northern Raven	<i>Corvus corax</i>	✓	✓	✓	✓		✓		
96	European Crested Tit	<i>Lophophanes cristatus</i>		H						
97	Marsh Tit	<i>Poecile palustris</i>			✓					
98	Eurasian Blue Tit	<i>Cyanistes caeruleus</i>		✓	✓	✓	✓		✓	
99	Great Tit	<i>Parus major</i>	✓	✓	✓	✓		✓	✓	
100	Eurasian Penduline Tit	<i>Remiz pendulinus</i>							H	✓
101	Bearded Reedling	<i>Panurus biarmicus</i>								✓
102	Woodlark	<i>Lullula arborea</i>						✓		
103	Eurasian Skylark	<i>Alauda arvensis</i>			✓					
104	Crested Lark	<i>Galerida cristata</i>				✓		✓		
105	Horned Lark	<i>Eremophila alpestris</i>			✓					
106	Greater Short-toed Lark	<i>Calandrella brachydactyla</i>								✓
107	Sand Martin	<i>Riparia riparia</i>				✓		✓		✓
108	Barn Swallow	<i>Hirundo rustica</i>		✓	✓	✓	✓	✓	✓	✓
109	Common House Martin	<i>Delichon urbicum</i>	✓	✓	✓	✓	✓	✓	✓	✓
110	Red-rumped Swallow	<i>Cecropis daurica</i>				✓		✓		✓
111	Long-tailed Tit	<i>Aegithalos caudatus caudatus</i>							H	
112	Wood Warbler	<i>Phylloscopus sibilatrix</i>					H			
113	Willow Warbler	<i>Phylloscopus trochilus</i>							H	
114	Common Chiffchaff	<i>Phylloscopus collybita</i>		H	H	✓	H	H	H	
115	Great Reed Warbler	<i>Acrocephalus arundinaceus</i>				✓		H	✓	✓
116	Eurasian Reed Warbler	<i>Acrocephalus scirpaceus</i>								✓
117	Eastern Olivaceous Warbler	<i>Iduna pallida</i>							✓	
118	Icterine Warbler	<i>Hippolais icterina</i>		H			H		✓	✓
119	Eurasian Blackcap	<i>Sylvia atricapilla</i>		H			H	H	H	✓
120	Garden Warbler	<i>Sylvia borin</i>		H					H	
121	Lesser Whitethroat	<i>Sylvia curruca</i>		✓	✓	✓			✓	
122	Goldcrest	<i>Regulus regulus</i>		H	H					
123	Eurasian Wren	<i>Troglodytes troglodytes</i>		H	✓					
124	Eurasian Nuthatch	<i>Sitta europaea</i>			✓	✓	✓	H		
125	Wallcreeper	<i>Tichodroma muraria</i>		✓						
126	Common Starling	<i>Sturnus vulgaris</i>	✓	✓	✓	✓	✓	✓	✓	✓
127	Ring Ouzel	<i>Turdus torquatus</i>			✓					
128	Common Blackbird	<i>Turdus merula</i>		✓	✓	✓	✓	✓	✓	✓
129	Song Thrush	<i>Turdus philomelos</i>		✓	✓	✓	✓		H	
130	Mistle Thrush	<i>Turdus viscivorus</i>		✓		✓				
131	Spotted Flycatcher	<i>Muscicapa striata</i>							✓	
132	European Robin	<i>Erithacus rubecula</i>		H	✓	✓				
133	Black Redstart	<i>Phoenicurus ochrurus</i>	✓	✓	✓	✓			✓	



	Common name	Scientific name	June								
			23	24	25	26	27	28	29	30	
134	Common Redstart	<i>Phoenicurus phoenicurus</i>								✓	
135	Northern Wheatear	<i>Oenanthe oenanthe</i>			✓	✓	✓	✓	✓	✓	
136	Isabelline Wheatear	<i>Oenanthe isabellina</i>						✓	✓		
137	House Sparrow	<i>Passer domesticus</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
138	Spanish Sparrow	<i>Passer hispaniolensis</i>				✓					✓
139	Eurasian Tree Sparrow	<i>Passer montanus</i>		✓	✓	✓	✓	✓	✓	✓	✓
140	Alpine Accentor	<i>Prunella collaris</i>			✓						
141	Dunnock	<i>Prunella modularis</i>			✓						
142	Black-headed Yellow Wagtail	<i>Motacilla flava dombrowskii</i>				✓					✓
143	Grey Wagtail	<i>Motacilla cinerea</i>		✓	✓	✓				✓	✓
144	White Wagtail	<i>Motacilla alba</i>	✓	✓	✓	✓		✓	✓	✓	✓
145	Tawny Pipit	<i>Anthus campestris</i>						H	✓		
146	Tree Pipit	<i>Anthus trivialis</i>		✓	✓						
147	Water Pipit	<i>Anthus spinoletta</i>			✓						
148	Common Chaffinch	<i>Fringilla coelebs</i>		✓	✓	✓			✓	✓	
149	Hawfinch	<i>Coccothraustes coccothraustes</i>		✓					H		
150	European Bullfinch	<i>Pyrrhula pyrrhula</i>		✓							
151	European Greenfinch	<i>Chloris chloris</i>		✓	✓	✓					
152	Common Linnet	<i>Linaria cannabina</i>			✓						
153	Red Crossbill	<i>Loxia curvirostra</i>			✓						
154	European Goldfinch	<i>Carduelis carduelis</i>	✓	✓	✓	✓			✓	✓	✓
155	European Serin	<i>Serinus serinus</i>		✓	✓	✓					H
156	Corn Bunting	<i>Emberiza calandra</i>				✓	✓	✓			✓
157	Yellowhammer	<i>Emberiza citrinella</i>		✓		✓					
158	Ortolan Bunting	<i>Emberiza hortulana</i>						✓	H		

## Mammals

1	Red Fox	<i>Vulpes vulpes</i>		✓		✓					
2	European Brown Bear	<i>Ursus arctos arctos</i>		✓							
3	Alpine Chamois	<i>Capra rup'a carpatica</i>		✓							
4	European Hare	<i>Lepus europaeus</i>				✓			✓		✓
5	European Sousek	<i>Spermophilus citellus</i>							✓		✓

## Amphibians &amp; Reptiles:

1	Common Toad	<i>Bufo bufo</i>		✓		✓					
2	Agile Frog	<i>Rana dalmatina</i>			✓						
3	Edible Frog	<i>Rana kl. esculenta</i>							✓	✓	
4	Marsh Frog	<i>Rana ridibundus</i>							H		
5	European Pond Terrapin	<i>Emys orbicularis</i>									✓
6	Danube Crested Newt	<i>Triturus dobrogicus</i>									✓
7	Sand Lizard	<i>Lacerta agilis</i>				✓			✓		
8	Balkan Green Lizard	<i>Lacerta terlineata</i>							✓		
9	Balkan Wall Lizard	<i>Podachis tauricus</i>						✓			
10	Meadow Lizard	<i>Darevskia praticola</i>			✓						
11	Balkan Whip Snake	<i>Hierophis gemonensis</i>						✓			
12	Grass Snake	<i>Natrix natrix persa</i>									✓

## Mihai Petrescu's Plant List from the Badadag Forest.

<i>Acer campestre</i> , Field Maple	<i>Achillea clypeolata</i> , a Milfoil
<i>Achillea nobilis</i> subsp. <i>neilreichii</i> , A Milfoil	<i>Achillea seidlitzii</i> ( <i>A. pannonica</i> ), a Milfoil
<i>Agrimonia eupatoria</i> , Agrimony	<i>Allium rotundum</i> , Round-headed Onion
<i>Althea cannabina</i> , Palm-leaved Marsh Mallow	<i>Althea pallida</i> , Pale Mallow
<i>Anthriscus sylvestris</i> , Cow Parsley	<i>Artemisia absinthium</i> , Wormwood
<i>Artemisia austriaca</i> , Southern Wormwood	<i>Artemisia vulgaris</i> , Mugwort
<i>Asparagus verticillatus</i> , Whorled Asparagus	<i>Ballota nigra</i> , Black Horehound
<i>Cannabis sativa</i> , Cannabis or Hemp	<i>Carpinus betulus</i> , Hornbeam
<i>Centaurea phrygia</i> subsp. <i>stenolepis</i> ( <i>C. stenolepis</i> ), a Knapweed	<i>Chenopodium glaucum</i> , Oak-leaved Goose-foot
<i>Chrysopogon gryllus</i> , Scented Grass	<i>Clematis integrifolia</i> , Upright Clematis
<i>Clematis vitalba</i> , Old Man's Beard	<i>Consolida regalis</i> , Larkspur
<i>Cornus mas</i> , Cornelian Cherry	<i>Corylus avellana</i> , Hazel
<i>Cota tinctoria</i> ( <i>Anthemis tinctoria</i> ), Yellow Chamomile	<i>Crupina vulgaris</i> , Crupina
<i>Elaeagnus angustifolius</i> , Russian Olive	<i>Euphorbia glareosa</i> ( <i>Euphorbia nicaeensis</i> subsp. <i>dobrogensis</i> ),
<i>Filipendula vulgaris</i> , Dropwort	<i>Fraxinus excelsior</i> , Ash
<i>Fraxinus excelsior</i> subsp. <i>coriariifolia</i> , an Ash	<i>Galium glaucum</i> , a Bedstraw
<i>Galium verum</i> , Ladies Bedstraw	<i>Humulus lupulus</i> , Hop
<i>Inula ensifolia</i>	<i>Jurinea mollis</i> , Jurinea
<i>Melica ciliata</i> , Hairy Melic	<i>Melilotus officinalis</i> , Ribbed Melilot
<i>Ononis pusilla</i> ( <i>O. columnae</i> )	<i>Polygala major</i> , a Milkwort
<i>Polygonatum odoratum</i> , Angular Solomon's-seal	<i>Prunus spinosa</i> , Blackthorn
<i>Psephellus marschallianus</i> ( <i>Centaurea marschalliana</i> )	<i>Pyrus bulgarica</i> , Bulgarian Pear
<i>Quercus petraea</i> subsp. <i>iberica</i> ( <i>Quercus polycarpa</i> ), a Sessile	<i>Quercus pubescens</i> , Downy Oak
Oak	
<i>Ruta suaveolens</i> ( <i>Haplophyllum ciliatum</i> ) a Rue	<i>Sambucus ebulus</i> , Danewort or Dwarf Elder
<i>Sambucus nigra</i> , Elderberry	<i>Senecio leucanthemifolius</i> subsp. <i>vernalis</i> ( <i>S. vernalis</i> ), a Ragwort
<i>Sorbus torminalis</i> , Wild Service Tree	<i>Staphylea pinnata</i> , Bladder-nut
<i>Stipa zaleskii</i> ( <i>S. ucrainica</i> )	<i>Teucrium polium</i> agg., Felty Germander
<i>Tilia tomentosa</i> , Silver Lime	<i>Tilia cordata</i> , Small-leaved Lime
<i>Ulmus glabra</i> , Wych Elm	<i>Verbascum banaticum</i> , a Mullein
<i>Dianthus pseudarmeria</i> , a Pink	<i>Salvia nemorosa</i> , Wild Sage
<i>Euphorbia agraria</i> , a Spurge	<i>Trinia multicaulis</i> , a Honewort
<i>Platanthera chlorantha</i> , Greater Butterfly Orchid	<i>Dianthus pallens</i> , a Pink
<i>Asparagus tenuifolius</i> , an Asparagus	<i>Linum hirsutum</i> , a Perennial Flax
<i>Allium flavum</i> , subsp. <i>tauricum</i> , Yellow Onion	<i>Polygonatum biflorum</i> ( <i>P. latifolium</i> ), a Solomon's-seal
<i>Onopordum tauricum</i> , Taurian Thistle	