

Butterflies of Croatia

Naturetrek Tour Report

4 - 11 June 2018



Black-veined Whites puddling, Velebit Mts



Great Sooty Satyr



Purple-edged Copper



Plum Lappet

Report and images by Andy Harding



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Tour participants: Andy Harding (Leader) Gerard Gorman (Local Guide) with 14 Naturetrek clients.

Day 1

Monday 4th June

28°C, humid

Andy was able to meet the whole group at T5, Heathrow, before departure on our flight to Zagreb, which arrived on time. Baggage reclaim was straightforward, so we soon met up with Gerard, our local guide, who had worked with Andy on several previous tours. Water and fruit was handed out, so things were going well. We were, however, held up in the airport car park for a while, by some malfunctioning technology, followed by a rather lengthy traffic jam on the motorway. However, butterflies viewed from the slowly moving bus, included probable Lesser Purple Emperor!

We left the motorway to go cross country through many small villages, all with several successful White Stork nests. Our first stop near Purinan, in a sort of lay-by near a river, was full of interest, with Wood Whites, Holly and (almost certainly) Chapman's Blues, Map butterfly, female Large Copper and dozens of Nine-spotted moths. The latter were a feature of our journey in this area, being almost continuously visible from the bus. On the hilly sections it rapidly became clear the bus was seriously underpowered for 17 people plus the luggage trailer, and we had to get out on one occasion for a short walk! Our poor driver, Levi, did a heroic and skilful job in keeping us going. We had a comfort stop at a pleasant service station, seeing Amanda's Blue landing on several sweaty people, Glanville Fritillary, Short-tailed Blue and a Cream-spot Tiger moth. We had to curtail this nice stop to get to the hotel to try to sort the bus out; however, this did allow for some observation in the excellent area behind the hotel, where Weaver's Fritillary and Clouded Apollo were the best sightings.

After an eventful, but also interesting, day, we enjoyed an excellent dinner before bed. A Fox Moth on the doorframe of the restaurant was a reminder that the moth traps had been put out. One was our usual rig and the other a Safari trap supplied by Steve.

Day 2

Tuesday 5th June

25°C, mainly sunny; some rain in mid-afternoon

A new bus was nearby: news which heartened everyone. Also heartening was the early turnout to view the results of the moth traps. Everybody loves Hawk-moths, so Privet, Spurge and Small Elephant were spectacular highlights. However, there were loads of other moths, including four species of Emeralds, Pale Oak Beauties and the wonderful Latins, Scorched and Sharp-angled Carpets, several Grey Arches, Pale-shouldered Brocade and plenty of the huge micro, Box Moth, now becoming a pest in Europe. A very satisfied group went off to a superb early breakfast.

Our morning excursion was not far distant from the hotel... the World Heritage site of the waterfalls of Plitvicka National Park. An early start is essential because it is a huge tourist attraction. It is the least wildlife-orientated session of our whole tour but, given the chance, it must be seen, and no one was disappointed. We even saw a few species of wildlife: a lovely Hungarian Glider and an obliging Chequered Blue, two species of Demoiselle, a Dice Snake and many, many Roach in the clear blue water. A watering and ice-cream stop in the middle of the park allowed Heath Fritillaries to be added to the list, and a few Red Squirrels kicked off the mammal list.

Having left this amazing site, we took lunch in a sort of lay-by, but within the park. This gave plenty of opportunity for wandering before and after our picnic and Clouded Apollos and many Woodland Ringlets were the stars. The latter species was also abundant at our next stop, Homelec Meadows, attracted by the profusion of low-growing wild flowers. That and the mixture of overcast periods with sunny spells made for an absolutely wonderful and prolonged period of butterfly watching. Niobe, Twin-spot and Queen of Spain Fritillaries were easy to find. A Purple-edged Copper was something of a star turn and Black-veined White butterflies could be compared with the equally numerous Black-veined Moths. Hundreds of Silver Ys were disturbed with every step. The impending rain eventually came so we made a drinks stop, but since it had continued we returned to the hotel earlier than normal.

Dinner and the very exciting log made for an entertaining evening.

Day 3

Wednesday 6th June

29°C; hot and humid

Late yesterday evening the conditions looked very promising for moth trapping, but it became clearer and colder through the night. Nonetheless it was an interesting, if smaller catch: three Cream-spot Tigers, a Plum Lappet, a Small Angle Shades with two Thorns, Lunar and August.

The weather forecast was poor, so we took advantage of the surprisingly good weather at our current base, spending plenty of time both before and after breakfast behind the hotel, instead of departing west. Both sessions were very enjoyable. Black Hairstreak, Large, Scarce and Purple-shot Coppers were joined by Nickerl's and Queen of Spain Fritillaries and plenty of Amanda's Blues. Hawfinch, Jay and good views of a confiding Red-backed Shrike were the bird highlights.

We left down the old Highway No. 1 which now has only local traffic, so is ideal for making stops. With the weather still fair, we made a stop at Bjelopolje. Poljes are low-lying depressions and typical of this region. One of the strangest of insects was here in decent numbers...the Owl Fly. There were lots of butterflies too, with Hungarian (or Orbed Red-underwing) Skipper and Lesser Spotted Fritillary new to the list. Many of the Green Hairstreaks here were very worn; some so worn that they were initially puzzling to identify. Not for the first time it was difficult to persuade the group that we should move on.

An unnamed pull-in in a more forested area has been productive in the past. Now, it produced Knapweed Fritillary and Ilex Skipper. It was also rather smelly, so it was less problematic to suggest re-embarkation... until a Scarce Swallowtail appeared at the other end of the lay-by.

Lunch was a nice picnic on a rocky area above Gracac. Before the bus had fully come to a halt, Graylings could be seen on the road, therefore the descent of the group was slow and careful, and everyone enjoyed excellent views and photo opportunities. Before the tomatoes had been sliced, two Nettle-tree butterflies were found - again on the dusty track: a huge surprise since this curious and beautiful species was not seen on last year's tour. Even more so, when eventually at least 30 were seen, and all on the track, never on the vegetation. Here they were joined by numerous Essex Skippers and a couple of Provençal Short-tailed Blues. Our first Blue-spot Hairstreak was enjoyed here, but 30 minutes later there were two Sloe Hairstreaks in exactly the same place.

As we crossed the Velebit Range, we stopped at a strange large concrete bunker with a suitably large lay-by adjacent. Here, many Ilex Hairstreaks were accompanied by just a couple of Blue-spots. A Great Sooty Satyr was very obliging, nectaring on *Convolvulus*, even if it didn't keep its wings open for very long. A second one appeared down an adjacent small track, which doubled as a comfort stop. Five Alpine Choughs cruised past suitably close, so that their yellow, as opposed to red, bills could be clearly seen: a new species for many in the group. On reaching the coast celebratory beer and/or ice cream was enjoyed around 10 kilometres from our hotel, with Lulworth Skippers in the lavender outside.

Once settled into our accommodation, various walks were taken through the fields and scrub to the coast, yielding Spotted Fritillaries, Gatekeeper and lots more Lulworth Skippers. Italian Wall Lizard and Glass Lizard were added to the reptile list. The dinner exceeded even recent standards, with fish soup, a huge Bream apiece, followed by ice-cream. The log was very long, but much enjoyed. We had a couple of false starts in setting up the moth traps, but eventually it was all systems go.

Day 4

Thursday 7th June

29°C but cooler in the mountains, with one sharp shower

The night became cool and clear again and, as expected, yielded much less at this coastal location. The attractive Small Waved Umber was almost as numerous as Hoary Footman, and a Festoon, previously seen but largely ignored at Hotel Sedra, gained more attention in this less competitive environment. An interesting large micro, *Palpita vitrealis*, was a good addition. Those who ventured into the scrub before breakfast were rewarded with Eastern Bath White, at last, and more views of Glass Lizard. After an excellent breakfast, we took the tortuous road out of Starigrad into the mountains towards Veliki Vaganac.

Our strategy was to take a few stops on the way up; a much longer stop at the top, as far as vehicles can travel, including a two-hour walk followed by lunch; then more stops on the way down. The first stop provided excellent views of Southern White Admiral and High Brown Fritillaries of the form *deodoxa*, which have no shiny silver mirrors on the underside of the hindwing and so fooled most of the group. A Cleopatra, Southern Small White and Tufted Marbled Skipper were also new for the trip, but since not everyone was in the same vicinity, not everyone saw them all. Hairstreaks, particularly Blue-spots were absolutely everywhere.

If anything, the second stop was even more prolific for Hairstreaks, with excellent views of Balkan Marbled White, alongside Marbled Whites. Here, a round-up mission by the leader, at that moment accompanied by Stan, produced an incredible moment: a Two-tailed Pasha came gliding along and disappeared in to the trees. The group reconvened at the spot and a couple more got essentially brief views. It seemed unclear if this area was quite in range for this fabulous species, but a local ornithologist whom we met, confirmed it had moved north in the last few years and could be found here. Mountain Small White put in an appearance while we were waiting and the salient differences between it and the other 'Small Whites' explained.

Eventually we needed to return to 'Plan A' and reached the top, with a male Blue Rock Thrush looking down upon us from its lofty song post. Our lengthy walk was mainly along the side of the hill but then down into a dried-up stream bed. In the more barren parts we saw Balkan Green Lizard and Dalmatian Algyroides for the reptile list and a huge Longicorn Beetle. In the more florally rich areas, Southern White Admirals and Scarce Swallowtails were easy to see, along with a Chequered Blue and a tiny Queen of Spain Fritillary. Mallow, Tufted

Marbles and Marbled Skippers were all seen, as was Short-tailed Blue. And then there were the Hairstreaks...hundreds and hundreds of them, predominately Blue-spots again. When we returned fairly hot from the walk, a few clouds and a breeze made lunch very pleasant. As we set off back downhill in the bus there was a brief heavy shower, but by our next stop it was sunny again...this was a repeat of the Pasha stop...just in case.

A few hundred metres further down we took a short track to some deserted buildings. Last year a Linden Tree there had been in full bloom and covered in butterflies. Not so this year: clearly it was way past that stage, providing us with more evidence of a much more advanced spring. However Great Sooty Satyr and male Adonis Blue were not to be sneezed at. Our final mountain stop provided interesting larvae in the shape of Pine Processionary Moth nests, lots of House martins and Swallows collecting mud resulting from the recent shower, and great views across many of the island on this part of the Adriatic coast. However, a beer and/or ice cream beckoned before the hotel. There was still time for nature rambles, more Spotted Fritillaries and two Common Swallowtails photographed together, with Turtle Doves purring in the background. Some went swimming, though sharp stones and pebbles were a problem, even if the water was lovely.

Braised beef in a beautiful consommé was the centrepiece of dinner followed by Quince pancakes. Log and moth traps followed that!

Day 5

Friday 8th June

31°C; hot but changeable

Poor positioning of the traps meant bright sunshine was on them at 6am, so many moths were very flighty and Passenger and Lunar Thorn departed before they could be potted. The catch was similar to yesterday with the obvious additions of Pale-shouldered Brocade, Lesser-spotted Pinion and a Blair's Mocha. These, and others, were in pots on the terrace where we enjoyed our lovely breakfast.

Our area of operation today was to be the bicycle trail which runs along the foot of the mountains above Starigrad and its neighbouring villages. We started right at the southern end at Mala Paklenka. A Long-tailed Blue, just where the bus stopped, was the only one of the trip. A few hundred metres further on to the end of the road allowed us to look at all the Christ's Thorn bushes to seek Little Tiger Blue on its food plant...to no avail. However, a Great Banded Grayling perched well in the open. Here there were two very interesting *Sylvia* Warblers...Subalpine and Eastern Orphean singing away. They were skulking, however, and just a couple of people obtained views of either. We returned along the road, re-examining the bushes and turned down hill to a dry stream bed where a male Meleager's Blue was found (see evening report) which stayed to allow numerous photographs. On the way back up to the road another Great Banded Grayling was located on the back of a stone wall and by leaning over fantastic views were possible. A few Small Blues enhanced the inevitable plethora of Hairstreaks.

Our second section of the track produced little until we reached a garden where masses of Lavender had been planted. There were myriads of butterflies with Skippers and Blues in profusion. Among all of these, Eastern Bath White and Southern Comma attracted more attention than Scarce Swallowtails. As well as Grayling, a rather larger Grayling-type showed very well. To everyone's surprise it was a Great Sooty Satyr, and was presumed to be a female, until it briefly opened its wings and proved to be a male. A drink stop in Selene, where almost everybody chose the home-made lemon juice, was enhanced by nice moths in the cafe...neither was identified

beyond family. As last year, lunch was taken in the garden of a rental property owned by those who own our hotel, allowing us access to a few more facilities. It became gloomy and overcast and our next walk was rain-shortened, a pattern repeated throughout the afternoon. Nonetheless, we went forth in all the dry periods and found Golden Twin-spot moth and a Wryneck, but while seeing plenty of butterflies, none caused huge excitement.

Dinner was a delicious as ever, where Peter enjoyed a well-earned double Peach Brandy (see earlier in the day). The mixed weather turned into a tumultuous thunderstorm at around 10.30 pm.

Day 6

Saturday 9th June

24°C; mixed, but mainly favourably sunny

The storm continued until around 4.30 am with spectacular sheet lightning.

Miraculously the moth traps under a picnic table had survived and even had moths in them. Rose-banded Wave and Lunar Thorn were the prize catches, everything else being repeats. We left Starigrad at 9am, driving north along the coast under gloomy skies with intermittent drizzle, and with the large and apparently completely barren island of Pag offshore bathed in sunshine! However, as we turned inland and uphill to stop for spectacular views, the sun came out. Hoorah!

At our first stop in the mountains we found the expected Eastern Large Heath... the Velebit Mountains are its only site in Croatia. A couple of both Great Banded Graylings and Great Sooty Satyrs flew through the pastures, adorned as usual by Blue-spot Hairstreaks. A rare white variant of Owl Fly was photographed, as was a carefully examined Large Grizzled Skipper. The Eastern Large Heaths were just as much in evidence at our next stop, but outnumbered by Bright-eyed Ringlets, which are very similar to Woodland Ringlets, with identity confirmed by the dark colour of the underside of the knobs on their antennae. A couple of 'Large' Blues caused some consternation, raising hopes but no photos or capture. Amongst these a lovely Turquoise Blue entered the fray. The meadows here were beautiful, full of Orchids and butterflies, while a White Sable Moth did a good imitation of an interesting Skipper. As last year, lunch was taken in this wonderful setting and, just as we finished, the clouds gathered.

However, as usual, by the time we reached our next stop it was sunny again. There was a small stream next to where the bus pulled in and Gerard immediately caught an Alpine Newt... definitely a new species for most. A group of Black-veined Whites puddling with a Southern Small White were enjoying the recent showers, while Stan stood in front of them, forcing a car to move to the other side of the track and hence saved them all! One or two 'Large' Blues were again in evidence and one was eventually photographed, but we did not have the identity correct until a couple more were found including a female egg-laying on the *Gentiana cruciata*. Well done Geoff - these were Mountain Alcon Blues, *rebeli*. Why they suddenly became cooperative is a meteorological mystery.

After our customary mid-afternoon celebration, our final stop was another fantastic area of meadows. We reluctantly left late in the afternoon, leaving Nickerl's, False Heath and Twin-spot Fritillaries, Mazarine and Adonis Blues, and so many, many more behind. However dinner in our Krasno guesthouse was worth it... the

Beetroot starter was followed by goulash and gnocchi, with many cherries and water melon to finish. Yes, the traps are out.

Day 7

Sunday 10th June

29°C; fine and beautiful

It was worth it - a fabulous catch; so great, that nearly the whole group were out by 6.40 to see them in pots, on walls and subsequently displayed on some large Pine logs, where they seemed happy to be photographed *au naturel*. Poplar and Small Elephant Hawk-moths were outshone by Pine Hawk-moth. The Argentine, Great Oak Beauty, Spectacle, Buff Arches and a couple of attractive species yet to be identified, were accompanied by species we had seen before.

We weren't travelling far today, into the National Park near Oltare. Rain overnight had produced great conditions for puddling on the track towards the forest. Foremost among the puddlers early on were False Heath Fritillaries and Peacocks and the regular Blues. Just before the forest, we went into the meadows, where it teemed with butterflies, including four species of Grizzled Skipper and Pearl-bordered Fritillary, which was new for the trip. From the track into the forest we could spot White Helleborine, Lesser Butterfly Orchid and the peculiar Bird's-nest Orchid, while a clearing close to the track produced three Duke of Burgundies and a showy Broad-bordered Bee Hawk-moth. On the return walk Common Wall Lizard was also new. The population seeking minerals from the damp track had also changed, with three Woodland Graylings and a couple of Nettle-tree Butterflies. Just a few metres further on, a Large Tortoiseshell was seen on the track and then conveniently perched in an adjacent tree, so we could all get reasonable views, the only one of the trip. A walk off the track up a lowly vegetated hill produced lots of repeat Skippers and Blues and a Woodlark feeding young. The picnic site was only a couple of hundred metres away, but before we got there, a Hawfinch was watched on the track, giving us great views of an elusive species. A female Sooty Copper was a nice find, but then came ... it, the moth of moths, not in a trap but on the ground. This amazing creature seemed to be from a different continent. It had semblances of a Tiger Moth and thus it proved, the extremely rare Brown Tiger. It was easy enough to pot and ensure that those not immediately present could have great views before our picnic lunch.

We spent another hour or so actively looking in the same area before our mid-afternoon beer. Then to the ski slope... now an enormous meadow filled with so many species of flowers, including the spectacular Orange Lily. The many butterflies were less dense here than our morning stop, and there was nothing new, but we will miss many of these species in days to come. Given we were on the edge of Krasno five brave souls walked back to the guesthouse.

Dinner was great: the main course of a river Trout - not farmed, a huge pile of Calamari and a potato and Spinach mixture was just brilliant. Levi, our driver, Gerard, Stan and Andy all said a few words about this excellent trip which ended in great spirits. The moth trap was already attracting species before bedtime, including Poplar Kitten and a Lime Hawk-moth of the form *brunnea*: this was our eighth Hawk-moth species of the trip.

Day 8

Monday 11th June

29°C; a pleasant day to return to the airport

Despite an early start, we did run the trap and added several new species to the list, including the attractive Sycamore, Small Ranunculus and Purple Clay. Again, the group came out in force to see them, with many released and staying on a large Pine block. Subsequently they were moved under cover before breakfast. This was an appropriate point at which to thank Steve very much for bringing his moth trap and allowing it to be used every evening. In my estimate, this increased the numerical catch by about 50%.

After breakfast it was simply a matter of loading up for the near-three-hour drive to Zagreb airport. We didn't stop and the farewells to Gerard and Levi were necessarily brief to avoid extra charges for keeping the bus at the airport. The rest of us did, in the main, manage appropriate 'goodbyes' at Heathrow.

This was a friendly group who got on well together and was by characterised by mutual help and assistance. So, it is proper to commend those who found some excellent species and let others know as soon as possible, sharing their delight so unselfishly. Everyone really enjoyed the countryside and the proliferation of flower-packed fields with so many butterflies and other insects. Your great sense of humour made this an easy tour to lead.

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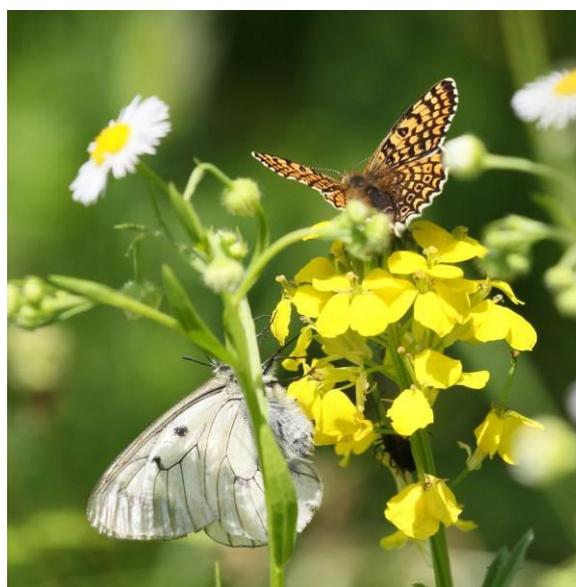
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Setting up a personal profile at www.facebook.com is quick, free and easy. The [Naturetrek Facebook page](#) is now live; do please pay us a visit!



Moths aplenty, Krasno



Clouded Apollo and Glanville Fritillary

Species Lists

Butterflies (✓=recorded but not counted)

| | Common name | Scientific name | June | | | | | | |
|----|-----------------------------|---------------------------------|------|---|-----|---|---|---|----|
| | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | Swallowtail | <i>Papilio machaon</i> | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 | Scarce Swallowtail | <i>Iphiclides podalirius</i> | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 3 | Clouded Apollo | <i>Parnassius mnemosyne</i> | ✓ | ✓ | ✓ | | | ✓ | |
| 4 | Black-veined White | <i>Aporia crataegi</i> | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 5 | Large White | <i>Pieris brassicae</i> | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ |
| 6 | Small White | <i>Pieris rapae</i> | ✓ | | ✓ | ✓ | ✓ | | ✓ |
| 7 | Mountain Small White | <i>Pieris ergani</i> | | | | ✓ | | | |
| 8 | Green-veined White | <i>Pieris napi</i> | ✓ | ✓ | | | | | |
| 9 | Southern Small White | <i>Pieris mannii</i> | | | | ✓ | | ✓ | |
| 10 | Eastern Bath White | <i>Pontia edusa</i> | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| 11 | Clouded Yellow | <i>Colias crocea</i> | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 12 | Brimstone | <i>Gonepteryx rhamni</i> | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 13 | Cleopatra | <i>Gonepteryx cleopatra</i> | | | | ✓ | | | |
| 14 | Wood White | <i>Leptidea sinapis</i> | ✓ | ✓ | ✓ | ✓ | | | ✓ |
| 15 | Sloe Hairstreak | <i>Satyrium acaciae</i> | ✓ | | ✓ | ✓ | ✓ | | |
| 16 | Ilex Hairstreak | <i>Satyrium ilicis</i> | | | ✓ | ✓ | ✓ | ✓ | |
| 17 | Blue-spot Hairstreak | <i>Satyrium spini</i> | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| 18 | Black Hairstreak | <i>Satyrium pruni</i> | | ✓ | ✓ | | | | |
| 19 | Green Hairstreak | <i>Callophrys rubi</i> | | | ✓ | ✓ | | | ✓ |
| 20 | Small Copper | <i>Lycaena phlaeas</i> | ✓ | | | ✓ | ✓ | ✓ | ✓ |
| 21 | Large Copper | <i>Lycaena dispar</i> | ✓ | | ✓ | | | | |
| 22 | Scarce Copper | <i>Lycaena vigeureae</i> | | | ✓ | | | | |
| 23 | Sooty Copper | <i>Lycaena tityrus</i> | | | ✓ | | | | ✓ |
| 24 | Purple-shot Copper | <i>Lycaena alciphron</i> | | | ✓ | | | | ✓ |
| 25 | Purple-edged Copper | <i>Lycaena hippothoe</i> | | ✓ | | | | | |
| 26 | Long-tailed Blue | <i>Lampides boeticus</i> | | | | | ✓ | | |
| 27 | Short-tailed Blue | <i>Cupido (Everes) argiades</i> | ✓ | | | | | | |
| 28 | Provençal Short-tailed Blue | <i>Cupido alcetas</i> | | | ✓ | ✓ | | | |
| 29 | Holly Blue | <i>Celastrina argiolus</i> | ✓ | | ✓ | ✓ | ✓ | | |
| 30 | Small Blue | <i>Cupido minimus</i> | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 31 | Mountain Alcon Blue | <i>Phengaris rebeli</i> | | | | | | ✓ | |
| 32 | Chequered Blue | <i>Scolitantides orion</i> | | ✓ | ✓ | ✓ | | ✓ | |
| 33 | Silver-studded Blue | <i>Plebejus argus</i> | | ✓ | ✓ | ✓ | | | |
| 34 | Chapman's Blue | <i>Polyommatus thersites</i> | ✓ | | | | | | |
| 35 | Amanda's Blue | <i>Polyommatus amandus</i> | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| 36 | Mazarine Blue | <i>Cyaniris semiargus</i> | | ✓ | ✓ | | | ✓ | ✓ |
| 37 | Turquoise Blue | <i>Polyommatus dorylas</i> | | | | | | ✓ | |
| 38 | Meleager's Blue | <i>Polyommatus daphnis</i> | | | | | ✓ | | |
| 39 | Adonis Blue | <i>Polyommatus bellargus</i> | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| 40 | Common Blue | <i>Polyommatus icarus</i> | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 41 | Brown Argus | <i>Aricia agestis</i> | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 42 | Duke of Burgundy | <i>Hamearis lucina</i> | | | | | | | ✓ |
| 43 | Nettle-tree Butterfly | <i>Libythea celtis</i> | | | 30+ | ✓ | | | ✓ |
| 44 | Two-tailed Pasha | <i>Charaxes jasius</i> | | | | ✓ | | | |
| 45 | Southern White Admiral | <i>Limenitis reducta</i> | | | | ✓ | | | |
| 46 | Hungarian Glider | <i>Neptis rivularis</i> | | ✓ | | | | | |
| 47 | Large Tortoiseshell | <i>Nymphalis polychloras</i> | | | | | | | ✓ |

| | Common name | Scientific name | June | | | | | | |
|----|---|---------------------------------|------|---|---|---|---|---|----|
| | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 48 | Small Tortoiseshell | <i>Agrias urticae</i> | | ✓ | ✓ | | | | ✓ |
| 49 | Peacock | <i>Inachis io</i> | | | | | | | ✓ |
| 50 | Red Admiral | <i>Vanessa atalanta</i> | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| 51 | Map | <i>Araschnia levana</i> | ✓ | | | | | | |
| 52 | Painted Lady | <i>Vanessa cardui</i> | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 53 | Comma | <i>Polygonum c-album</i> | ✓ | | ✓ | | | | ✓ |
| 54 | Southern Comma | <i>Polygonum egea</i> | | | | | ✓ | | |
| 55 | Silver-washed Fritillary | <i>Argynnis paphia</i> | | | | | | | ✓ |
| 56 | High Brown Fritillary | <i>Argynnis adippe</i> | | | | ✓ | | | ✓ |
| 57 | Niobe Fritillary | <i>Fabriciana niobe</i> | | ✓ | | | | | |
| 58 | Queen of Spain Fritillary | <i>Issoria lathonia</i> | | ✓ | ✓ | ✓ | | ✓ | ✓ |
| 59 | Twin-spot Fritillary | <i>Brenthis hecate</i> | | ✓ | | | | ✓ | ✓ |
| 60 | Marbled Fritillary | <i>Brenthis daphne</i> | | | ✓ | | | ✓ | |
| 61 | Pearl-bordered Fritillary | <i>Clossiana euphrosyne</i> | | | | | | | ✓ |
| 62 | Weaver's (Violet) Fritillary | <i>Clossiana dia</i> | ✓ | | ✓ | | | | |
| 63 | Glanville Fritillary | <i>Melitaea cinxia</i> | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ |
| 64 | Nickerl's Fritillary | <i>Melitaea aurelia</i> | | | ✓ | ✓ | | ✓ | ✓ |
| 65 | Knapweed Fritillary | <i>Melitaea phoebe</i> | | | | | | ✓ | ✓ |
| 66 | Eastern Knapweed Fritillary | <i>Melitaea telona</i> | | | ✓ | | | | ✓ |
| 67 | False Heath Fritillary | <i>Melitaea diamina</i> | | | | | ✓ | ✓ | |
| 68 | Spotted Fritillary | <i>Melitaea didyma</i> | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| 69 | Lesser Spotted Fritillary | <i>Melitaea fascelis</i> | | ✓ | ✓ | | | | |
| 70 | Heath Fritillary | <i>Mellicta athalia</i> | | ✓ | ✓ | | | ✓ | |
| 71 | Marbled White | <i>Melanargia galathea</i> | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 72 | Balkan Marbled White | <i>Melanargia larissa</i> | | | | ✓ | ✓ | ✓ | |
| 73 | Woodland Grayling | <i>Hipparchia fagi</i> | | | | | | | ✓ |
| 74 | Grayling | <i>Hipparchia semele</i> | | | ✓ | ✓ | ✓ | ✓ | |
| 75 | Great Sooty Satyr | <i>Satyrus ferrula</i> | | | ✓ | ✓ | ✓ | ✓ | |
| 76 | Great Banded Grayling | <i>Kanetisa circe</i> | | | | ✓ | ✓ | ✓ | ✓ |
| 77 | Woodland Ringlet | <i>Erebia medusa</i> | | ✓ | ✓ | | | | |
| 78 | Bright-eyed Ringlet | <i>Erebia oeme</i> | | | | | | ✓ | |
| 79 | Speckled Wood | <i>Pararge aegeri</i> | | | ✓ | | | | |
| 80 | Wall Brown | <i>Lasiommata megera</i> | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| 81 | Large Wall Brown | <i>Lasiommata maera</i> | | | ✓ | ✓ | ✓ | ✓ | |
| 82 | Meadow Brown | <i>Maniola jurtina</i> | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 83 | Gatekeeper | <i>Pyronia tithonus</i> | | | ✓ | | | | |
| 84 | Eastern Large Heath | <i>Coenonympha rhodopensis</i> | | | | | | ✓ | ✓ |
| 85 | Small Heath | <i>Coenonympha pamphilus</i> | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 86 | Pearly Heath | <i>Coenonympha arcania</i> | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 87 | Chestnut Heath | <i>Coenonympha glycerion</i> | | ✓ | ✓ | | | ✓ | |
| 88 | Grizzled Skipper | <i>Pyrgus malvae</i> | | ✓ | ✓ | | | ✓ | ✓ |
| 89 | Large Grizzled Skipper | <i>Pyrgus alveus</i> | | | | | | ✓ | ✓ |
| 90 | Oberthur's Grizzled Skipper | <i>Pyrgus armoricanus</i> | | | | | | | ✓ |
| 91 | Safflower Skipper | <i>Pyrgus carthami</i> | | ✓ | | | | | ✓ |
| 92 | Orbed Red-underwing (Hungarian) Skipper | <i>Spilalia orbifer</i> | | | ✓ | | | ✓ | ✓ |
| 93 | Mallow Skipper | <i>Carcharodus alceae</i> | | | | | ✓ | ✓ | ✓ |
| 94 | Marbled Skipper | <i>Carcharodus lavatherae</i> | | | | ✓ | | | |
| 95 | Tufted Marbled Skipper | <i>Carcharodus flocciferus</i> | | | | ✓ | | | |
| 96 | Dingy Skipper | <i>Erynnis tages</i> | | | ✓ | | | ✓ | ✓ |
| 97 | Chequered Skipper | <i>Carterocephalus palaemon</i> | | | ✓ | ✓ | | | |
| 98 | Lulworth Skipper | <i>Thymelicus acteon</i> | | | ✓ | ✓ | ✓ | | |

| | Common name | Scientific name | June | | | | | | |
|-----|---------------|---------------------------|------|---|---|---|---|---|----|
| | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 99 | Essex Skipper | <i>Thymelicus lineola</i> | | | ✓ | ✓ | ✓ | | ✓ |
| 100 | Small Skipper | <i>Thymelicus flavus</i> | | | ✓ | ✓ | ✓ | | |
| 101 | Large Skipper | <i>Ochlodes sylvanus</i> | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ |

Moths (macros)

| | |
|---|---|
| Forester, <i>Adcita statices</i> | Five-Spot Burnet, <i>Zygaena trifolii</i> |
| Six-spot Burnet, <i>Zygaena filipendulae</i> | Transparent Burnet, <i>Zygaena purpuralis</i> |
| Cepuscular Burnet, <i>Zygaena camiolica</i> | Festoon, <i>Apoda limicodes</i> |
| Clearwing sp, | Fox Moth, <i>Macrothylacia rubi</i> |
| Plum Lappet, <i>Odonesti pruni</i> | Buff Arches, <i>Habrosyne pyritoides</i> |
| Common Emerald, <i>Hemitea aestivaria</i> | Small Emerald, <i>Hemistola Chrysoprasaria</i> |
| Small Grass Emerald, <i>Chlorissa viridata</i> | Little Emerald, <i>Jodis lactearia</i> |
| Large Emerald, <i>Geometra papilionaria</i> | Mocha, <i>Cyclophora annularia</i> |
| Blair's Mocha, <i>Cyclophora puppillaria</i> | Clay Triple-lines, <i>Cyclophora linearia</i> |
| Lace Border, <i>Scopula ornata</i> | Golden-yellow Wave, <i>Idaea aureolaria</i> |
| Rose-banded Wave, <i>Rhodostrophia vibicaria</i> | Riband Wave, <i>Idaea aversata</i> |
| Portland Ribbon Wave, <i>Idaea degeneraria</i> | Galium Carpet, <i>Epirrhoe galiata</i> |
| Barred Straw, <i>Eurythis pyrliata</i> | Grey Pine Carpet, <i>Thera obeliscata</i> |
| Spruce Carpet, <i>Thera britannica</i> | Green Carpet, <i>Colostygia pectinataria</i> |
| Small Waved Umber, <i>Horisme vitalbata</i> | Fern, <i>Horisme tersata</i> |
| Sharp-angled Carpet, <i>Euphyia unangulata</i> | Clouded Border, <i>Lomaspilis marginata</i> |
| Scorched Carpet, <i>Lidgia adustata</i> | Latticed Heath, <i>Chiasmia clathrata</i> |
| Brown Silver-line, <i>Petrophora chlorosata</i> | Speckled Yellow, <i>Pseudopanthera macularia</i> |
| August Thorn, <i>Ennomos quercinaria</i> | Lunar Thorn, <i>Selenia lunularia</i> |
| Swallow-tailed Moth, <i>Ourapteryx sambucaria</i> | Willow Beauty, <i>Peribatodes rhomboidaria</i> |
| Great Oak Beauty, <i>Hypomecis roboraria</i> | Pale Oak Beauty, <i>Hypomecis punctinalis</i> |
| Common Heath, <i>Ematurga atomaria</i> | Light Emerald, <i>Campaea margaritata</i> |
| Black-veined Moth, <i>Siona lineata</i> | Grass Wave, <i>Perconia strigillaria</i> |
| Pine Hawk-moth, <i>Hyloicus pinastr</i> | Privet Hawk-moth, <i>Sphinx ligustri</i> |
| Lime Hawk-moth, <i>Mimas tiliae</i> | Eyed Hawk-moth, <i>Smerinthus ocellata</i> |
| Poplar Hawk-moth, <i>Laothoe populi</i> | Broad-bordered Bee Hawk-moth, <i>Hemaris fuciformis</i> |
| Humming-bird Hawk-moth, <i>Macroglossum stellatarum</i> | Spurge Hawk-moth, <i>Hyles euphorbiae</i> |
| Small Elephant Hawk-moth, <i>Deilephila porcellus</i> | Tawny Prominent, <i>Harpyia milhauseri</i> |
| Poplar Kitten, <i>Furcula bifida</i> | Buff-tip, <i>Phalera bucephala</i> |
| Rosy Footman, <i>Mitochrista miliata</i> | Four-dotted Footman, <i>Cybosia mesomella</i> |
| Hoary Footman, <i>Eilema caniola</i> | Cream-spot Tiger, <i>Atctica villica</i> |
| Brown Tiger, <i>Hyphoraia aulica</i> | Buff Ermine, <i>Spilosoma luteum</i> |
| Nine-spotted, <i>Amata phegea</i> | Heart and Dart, <i>Agrotis exclamationis</i> |
| Purple Clay, <i>Diarsia brunnea</i> | Small Ranunculus, <i>Hecatera dysodea</i> |
| Campion, <i>Hadene rivularis</i> | Grey Arches, <i>Polia nebulosa</i> |

Pale-shouldered Brocade, *Lacanobia thalassina*
 Uncertain, *Hoplodrina alsines*
 Delicate, *Mythimna vitellina*
 Sycamore, *Acrionicta aceris*
 Latin, *Calloplistria juvenina*
 Treble Lines, *Charanyca trigrammica*
 Noctuid sp, *Actinoctia radiosa*
 Golden Twin-spot, *Chrysodeixis chalcites*
 Spectacle, *Abrostola trpartita*
 Mother Shipton, *Callistege mi*
 Four-spotted, *Tyta luctuosa*
 Fan-foot sp, *Polypogon tentacularia*

Lesser-spotted Pinion, *Cosmia affinis*
 Double Line, *Mythimna turca*
 Shark, *Cucullia umbratica*
 Small Angle Shades, *Euplexia lucipara*
 The Argentine, *Spatalia argentina*
 Eastern Bordered Straw, *Heliothis nubigera*
 Burnished Brass, *Diachrysia chrysitis*
 Nut-tree Tussock, *Colocasis coryli*
 Passenger, *Dysgonia algira*
 Burnet Companion, *Uclydia glyphica*
 Shaded Fan-foot, *Herminia tarsicrinalis*

Moths (micros)

Brown Plume, *Stenoptilia pterodactyla*
 Dusky Grass-veneer, *Chrysocrambus craterella*
 Small Magpie, *Anania hortulata*
 Crambid sp, *Palpita vitrealis*

Dingy White Plume, *Merrifieldia tridactyla*
 Box Moth, *Cydalima perspectalis*
 White-spotted Sable, *Anania funebris*

Birds

Common Pheasant, *Phasianus colchicus*
 Mallard, *Anas platyrhynchos*
 Grey Heron, *Ardea cinerea*
 White-tailed Eagle, *Haliaeetus albicilla*
 Montagu's Harrier, *Circus pygargus*
 Common Kestrel, *Falco tinnunculus*
 Western Yellow-legged Gull, *Larus michahellis*
 Common Wood Pigeon, *Columba palumbus*
 Eurasian Collared Dove, *Streptopelia decaocto*
 Alpine Swift, *Tachymarptis melba*
 European Bee-eater, *Merops apiaster*
 Great Spotted Woodpecker, *Dendrocopos major*
 Lesser Grey Shrike, *Lanius minor*
 Eurasian Jay, *Garrulus glandarius*
 Alpine Chough, *Pyrrhocorax graculus*
 Hooded Crow, *Corvus cornix*
 Coal Tit, *Parus ater*
 Woodlark, *Lullula arborea*
 Barn Swallow, *Hirundo rustica*
 Eurasian Blackcap, *Sylvia atricapilla*
 Eastern Orphean Warbler, *Sylvia crassirostris*
 Subalpine Warbler, *Sylvia cantillans*
 Common Starling, *Sturnus vulgaris*
 Song Thrush, *Turdus philomelos*

Mute Swan, *Cygnus olor*
 White Stork, *Ciconia ciconia*
 Great Cormorant, *Phalacrocorax carbo*
 Short-toed Snake Eagle, *Circaetus gallicus*
 Common Buzzard, *Buteo buteo*
 Eurasian Coot, *Fulica atra*
 Common (Feral) Pigeon, *Columba livia 'feral'*
 European Turtle Dove, *Streptopelia turtur*
 Common Cuckoo, *Cuculus canorus*
 Common Swift, *Apus apus*
 Eurasian Wryneck, *Jynx torquilla*
 Red-backed Shrike, *Lanius collurio*
 Eurasian Golden Oriole, *Oriolus oriolus*
 Eurasian Magpie, *Pica pica*
 Western Jackdaw, *Coloeus monedula*
 Northern Raven, *Corvus corax*
 Great Tit, *Parus major*
 Eurasian Skylark, *Alauda arvensis*
 Common House Martin, *Delichon urbicum*
 Barred Warbler, *Sylvia nisoria*
 Common Whitethroat, *Sylvia communis*
 Sardinian Warbler, *Sylvia melanocephala*
 Common Blackbird, *Turdus merula*
 Mistle Thrush, *Turdus viscivorus*

Common Nightingale, *Luscinia megarhynchos*
 Black-eared Wheatear, *Oenanthe hispanica*
 House Sparrow, *Passer domesticus*
 Eurasian Tree Sparrow, *Passer montanus*
 White Wagtail, *Motacilla alba*
 Tree Pipit, *Anthus trivialis*
 European Serin, *Serinus serinus*
 European Goldfinch, *Carduelis carduelis*
 Hawfinch, *Coccothraustes coccothraustes*
 Cirl Bunting, *Emberiza cirlus*

Black Redstart, *Phoenicurus ochruros*
 Blue Rock Thrush, *Monticola solitarius*
 Spanish Sparrow, *Passer hispaniolensis*
 Grey Wagtail, *Motacilla cinerea*
 Tawny Pipit, *Anthus campestris*
 Common Chaffinch, *Fringilla coelebs*
 European Greenfinch, *Chloris chloris*
 Common Linnet, *Linaria cannabina*
 Corn Bunting, *Emberiza calandra*

Dragonflies & Damselfly,

Beautiful Demoiselle, *Calopteryx virgo*
 Banded Demoiselle, *Calopteryx splendens*
 Blue Damselfly, *Enallagma cyathigerum*
 Broad-bodied Chaser, *Libellula depressa*
 Southern Skimmer, *Orthetrum brunneum*
 Common Darter, *Sympetrum striolatum*
 Scarlet Darter, *Crocothemis erythraea*

Dainty Damselfly, *Coenagrion scitulum*
 White-legged Damselfly, *Platycnemis pennipes*
 Common Clubtail, *Gomphus vulgatissimus*
 Black-tailed Skimmer, *Orthetrum cancellatum*
 Norfolk Hawker, *Aeschna isosceles*
 Red-veined Darter, *Sympetrum fonscolombi*

Reptiles & Amphibians

Edible Frog, *Pelophylax kl esculentus*
 Yellow-bellied Toad, *Bombina variegata*
 Alpine Newt, *Ichtyosaura alpestris*
 Italian Wall Lizard, *Podarcis sicula*
 Balkan Green Lizard, *Lacerta trilineata*
 Dalmatian Algyroides, *Algyroides nigropunctatus*
 Turkish Gecko, *Hemidactylus turcicus*

Marsh Frog, *Pelophylax ridibundus*
 Common Toad, *Bufo bufo*
 Dalmatian Wall Lizard, *Podarcis melisellensis*
 Common Wall Lizard, *Podarcis muralis*
 European Glass Lizard, *Ophisaurus apodus*
 Dice Snake, *Natrix tessellata*

Mammals

Rock Mouse, *Apodemus mystacinus*

Red Squirrel, *Sciurus vulgaris*

Invertebrates

Egyptian Grasshopper, *Anacrididae aegyptum*
 Violet Carpenter Bee, *Xylocopa violacea*
 Green Bush-cricket, *Tettigonia viridissima*
 Mole Cricket, *Gryllotalpa sp*
 Hairy Shieldbug, *Dolycoris baccarum*
 Shieldbug, *Odontotarsus purpureolineatus*
 Lined Shieldbug, *Graphosoma lineatum* ssp. *italicum*
 Ascalaphid (Owl Fly), *Libelloides longicornis*
 Large Tiger Hoverfly, *Helophilus trivittatus*
 Marmalade Fly, *Episyrphus balteatus*
 Scorpion Fly, *Panorpa meridionalis*
 Colorado Beetle, *Leptinotarsa decemlineata*
 Rose Chafer, *Cetonia aurata*

Robber Fly sp, *Asiloidea sp*
 Long Horn Beetle sp, *Chrysomeloidea sp*
 Field Cricket, *Gryllus campestris*
 Praying Mantis, *Mantis religiosa*
 Red Shieldbug, *Carpocoris mediterraneus*
 Crucifer Shieldbug, *Eurydema oleracea*
 Assassin Bug, *Rhinocoris iracundus*
 Yellow-Clubbed Hoverfly, *Scaeva selenitica/dignota*
 Long Hoverfly, *Sphaerophoris scripta*
 Hoverfly sp, *Eristalinus taeniops*
 Stag Beetle, *Dorcus titanus*
 Green Chafer, *Gnorimus sp.*
 Woodland Dor Beetle, *Anoplotrupes stercorosus*

Black-Striped Longhorn, *Stenurella melanura*
 Round-Necked Longhorn, *Stenopterus rufus*
 Pine Sawyer Beetle, *Monochamus galloprovincialis*
 Harlequin Ladybird, *Harmonia axyridis*
 Yellow-Barred Longhorn, *Nemophora gegeerella*
 Frog hopper, *Cercopis intermedia*
 Dock Bug, *Coreus marginatus*
 Ground Bug, *Spilostethus saxatilis*
 Balkan Field Grasshopper, *Chorthippus bornhalmi*
 Scorpion Fly, *Panorpa communis/germanica*
 Oak Spider, *Aculepeira ceropegia*
 Roman Snail, *Helix pomatia*

Jewel Beetle, *Capnodis tenebrionis?*
 Oil Beetle, *Mylabris variabilis*
 Soldier Beetle, *Cantharis rustica*
 Adonis Ladybird, *Hippodamia variegata*
 Longhorn Beetle, *Strangalia sp*
 Minstrel Bug, *Graphosoma italicum*
 Rhopalid Bug, *Corizus hyoscyami*
 Roesel's Bush Cricket, *Roeseliana roeselii*
 Bee Fly, *Hemipenthes morio*
 Red-Banded Sand Wasp, *Ammophila sabulosa*
 Crab Spider sp, *Thomisidae sp*

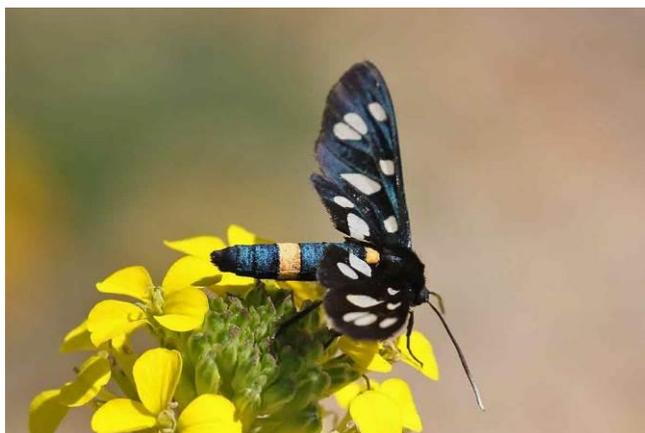
Orchids and Lily

Orange Lily, *Lilium bulbiferum*
 Bird's-nest Orchid, *Neottia nidus-avis*
 Fragrant Orchid, *Gymnadenia conopsea*

Lesser Butterfly Orchid, *Platanthera bifolia*
 Southern Marsh Orchid, *Dactylorhiza praetermissa*
 White Helleborine, *Cephalanthera damasonium*



Nettle-tree Butterfly



Nine-spotted Moth



Pine Hawk-moth



Broad-bordered Bee Hawk-moth