

Butterflies of Croatia

Naturetrek Tour Report

6th – 13th June 2022



Tufted Skipper



Assmann's Fritillary



Chequered Blue



Dalmatian Algyroides

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Day 1

Monday 6th June

Zagreb airport and Irinovac

We landed at Zagreb airport at 20.05, because our flight was delayed by more than an hour and half. When we got out of the Arrivals area, we met Luca and Josip, our tour leaders, and we went to the car park to catch our minibus. A Nightingale was singing in the warm air, while a White Wagtail was possibly preparing to roost on the roof of the airport. The transfer to our first accommodation took more than two hours: driving in the dark, we couldn't see much more than two Roe Deer on the way and we arrived in Irinovac almost at 11 p.m., our rooms allocated quickly at the Plitvička Sedra hotel and recovering from the long journey with a rich supper of mushroom soup, meat and fresh salad, followed by a pudding with raisin and ricotta cheese. When Josip and Luca set the moth-trap in the garden, in the calm night a Woodlark was singing.

Day 2

Tuesday 7th June

Plitvice lakes and Homoljac fields

We met at 6.30 a.m, before breakfast, to check the moth-trap which had been set the previous night, behind a wooden hut in the garden of the hotel. Among almost 40 species of moths, the largest was a Goat Moth (*Cossus cossus*), while the most abundant was Treble Lines (*Charanyca trigrammica*), but we had also Druid (*Aedia funesta*), Scarce Blackneck (*Lygephila cracca*), Coronet (*Craniophora ligustri*), Burnished Brass (*Diachrysis chrysis*), Buff Ermine (*Spilosoma lutea*) and *Phaiogramma etruscaria*. While we were busy "playing" with the moths, we heard a number of bird calls, including Woodlark, Golden Oriole, Middle Spotted Woodpecker, Hawfinch and... a Wryneck came to show itself on a leafless tree, singing and staying long enough to allow to Derek to run back to the room, collect the camera and to come back in the garden to celebrate his lifer with a sought-after picture! Then Josip led some of us in the cultivated fields behind the hotel, where the first butterfly of the trip, a Pearly Heath (*Coenonympha arcania*), came up, together with one Red-backed Shrike and two Serins.

For breakfast, at 7.30, we could have, by request, scrambled eggs and a local crêpe-like pancake, the *palacinka*, with *nutella*.

We left at 8.30 and we stopped to buy some bread for the picnic and then we drove to the Plitvice lakes, to have a relatively early entry there. It is a Unesco Heritage Site and the most popular National Park in Croatia so, especially in summer, it can be particularly busy and the authorities try to manage somewhat the influx of visitors, assigning to the groups a precise schedule of entry.

Just after the entrance, a couple of cats kidded us, looking like squirrels while climbing the small trees, then the panorama that opened in front of us left without words: large waterfalls, white cliffs emerging from the forest and a series of bright turquoise lakes. Descending to the fascinating pools formed by the river Korana, Luca showed us a lot of different flowers: Bee Orchids (*Ophrys apifera*), Peach-leaved Bellflower (*Campanula persicifolia*), Yellow Foxglove (*Digitalis grandiflora*), Rock Pink (*Dianthus petraeus*) and many more. Near the water, there was a large female Common Toad (*Bufo bufo*), then we went over a number of wooden footbridges, crowded with people from

all around the world. A couple of Hortvath's Lizards (*Iberolacerta borvathi*) were lying in the sunshine on the cliff surface, while the Beautiful and Banded Demoiselles (*Calopteryx virgo* and *C. splendens*) were flying gaily among streams and small waterfalls, created by the moss that traps, with its stems and leaves, the calcareous sediments, forming little by little new dams and pools.

In the clear waters we noticed Chub (*Squalius cephalus*), Rudd (*Scardinius erythrophthalmus*), Minnows (*Phoxinus phoxinus*) and two Northern Pikes (*Esox lucius*), one large, the other tiny but colourful, yellow and green.

With the sunshine it was a triumph of demoiselles, Common Bluets (*Enallagma cyathigerum*), White-legged Damselflies (*Platynemis pennipes*), Scarce Chasers (*Libellula fulva*), Common Clubtails (*Gomphus vulgatissimus*), but also a few butterflies: on the ground, by the mouth of a small cave, we saw Amanda's Blue (*Polyommatus amandus*) and Small Tortoiseshell (*Aglais urticae*) heating up. A large Dice Snake (*Natrix tessellata*) was rolled up in the reed-bed, while another one was fishing in the transparent waters of a stream.

An incredible surprise was a Iolas Blue (*Iolana iolas*) feeding on the Common Privet (*Ligustrum vulgare*) flowers, a butterfly never seen before during this tour, then we stopped for a coffee break before navigating, by ferry boat, through a large azure lake.

While Josip ran back to collect the minivan, we followed Luca ascending gently along some trails that crossed meadows with plenty of multi-coloured flowers and woodlands of Beeches, Maples and Silver Firs.

We had a late picnic in a very quiet place not far from Homoljak, in the shade of the trees near a remote settlement. Around the picnic spot, there were plenty of butterflies, from Woodland Ringlet (*Erebia medusa*) to Grizzled Skipper (*Pyrgus malvae*), Heath Fritillary (*Melitaea athalia*), Glanville Fritillary (*Melitaea cinxia*), Twin-spot Fritillary (*Brenthis hecate*) and Dark Green Fritillary (*Argynnis aglaja*).

Coming across a pile of manure, we plugged our noses and we discovered a great number of blue butterflies, like Mazarine (*Cyaniris semiargus*), Little (*Cupido minimus*) and Amanda's, paddling pleasantly.

Lower down, we penetrated into the lovely meadow coloured by hundreds of Pyramidal Orchids (*Anacamptis pyramidalis*), Hungarian Irises (*Iris variegata*), Rampions (*Campanula rapunculus*), Carthusian Pinks (*Dianthus* cfr. *carthusianorum*), Field Pansies (*Viola arvensis*), Bloody Crane's-Bills (*Geranium sanguineum*) and Dropworts (*Filipendula vulgaris*), and we chased in vain a fast Clouded Apollo (*Parnassius mnemosyne*), but finding two unexpected and stunning Southern Festoons (*Zerynthia polyxena*), still incredibly fresh for the season!

We descended as far as a Balkan war monument, where Josip loaded all the group in the minivan. We stopped for a few minutes, on the way to the hotel, to see a patch of Green-winged (*Anacamptis morio*) and Military Orchids (*Orchis militaris*), unfortunately almost over, and a Slender Scotch Burnet (*Zygaena loti*), then the journey back took almost half an hour.

The dinner offered a tomato soup, trout and a beautiful chocolate mousse, and later a few brave souls went out to look for bats, but the Echo Meter only detected Common Serotine (*Eptesicus* cfr. *serotinus*) and possibly a Long-eared Bat (*Plecotus* sp.), while some glow-worms were also flying and, in the distance, we heard clearly the sound of thunder.

Day 3

Wednesday 8th June

Bjelopolje fields, Deringaj and Mala Paklenica

We were woken up in the middle of the night by a loud thunderstorm with heavy rain that forced Luca to run outside to switch off the moth trap. So in the morning, when a few raindrops were still falling, there wasn't too much there: two Small Elephant Hawkmoths (*Deilephila porcellus*) and two Common Emeralds (*Hemithea aestivaria*), a dozen Marbled Minors (*Oligia* cfr. *strigilis*), Lace Border (*Scopula ornata*), Southern Grass Emerald (*Chlorissa chloraria*), the tiny Rosy Marbled (*Elaphria venustula*) and few others.

Ian, walking around, managed to see a male Golden Oriole, but it didn't stay long enough to take a picture.

After breakfast, we loaded the baggage in the boot of minivan to transfer little by little to the Adriatic coast. The first stop was in Bjelopolje, where we heard another Wryneck plus a Barred Warbler, but the site wasn't particularly productive, because the meadows looked overgrazed.

We saw a wonderful field of Siberian Irises (*Iris sibirica*) from the motorway nearby Mutilić, but we couldn't stop safely, and when we finally stopped again not far from Deringaj we explored some dry meadows with Bee Orchids, Bloody Crane's-Bills, Narrow-leaved Flaxes (*Linum tenuifolium*) and maquis of Common Privet. There was a number of butterflies, with Silver-studded (*Plebejus argus*) and Adonis Blue (*Polyommatus bellargus*) plus Small Heath (*Coenonympha pamphilus*) and Marbled White (*Melanargia galathea*) among the commonest, but also some Chestnut Heath (*Coenonympha glycerion*), Assmann's Fritillary (*Melitaea* cfr. *britomartis*) and Blue Spot Hairstreak (*Satyrrium spini*). Luca caught with his butterfly net a gorgeous male of Eastern Green Lizard (*Lacerta viridis*), with an amazing blue throat, while Barry spotted a female with the two distinctive cream-coloured longitudinal stripes. Later, while we were having a coffee break, admiring an active nest of Barn Swallows under the beamed ceiling, Luca came with a tatty Transparent Burnet (*Zygaena* cfr. *purpuralis*) in his pot.

When we drove over the Velebit mountain chain, it was raining heavily, so we had just a glimpse of a Black-eared Wheatear and we heard Black-headed Buntings from a viewpoint, before running back to shelter in the minivan. The second viewpoint stop, to admire a deep river valley not far from Golubić, didn't last any longer and we had to give up with the Krupa monastery, to reverse the vehicle and to descend to the seaside. There the weather was definitely better, so we stopped nearby Muškovci to see several Crag Martins perched on the rocks and nesting inside a tunnel and to hear the song of an Eastern Orphean Warbler (*Curruca crassirostris*). We saw a Crested Lark and a Black-headed Bunting from the minivan, then we arrived at our hotel in Starigrad and we had our picnic there, outside on the terrace.

At 3.30 we went out again into the field, to reach in a few minutes the Mala Paklenica gorge, part of the Paklenica National Park. Suddenly Derek spotted a fantastic Little Tiger Blue (*Tarucus balkanica*), an unrealized dream during Josip and Luca's previous tours! The tiny butterfly, staying for a long time perched on a bramble, allowed us to observe it calmly and to take wonderful photos. Later, when two Eastern Subalpine Warblers (*Curruca cantillans albistriata*) were singing in the background, we descended the dry riverbed: everything looked greener than usual, with the Elmleaf Blackberries (*Rubus* cfr. *ulmifolius*) and the Jerusalem Thorns (*Paliurus spina-christi*) in full bloom. Among the flowers there were tens of Small (*Thymelicus sylvestris*) and Lulworth Skippers (*Thymelicus action*), Blue Spot Hairstreaks, Holly Blues (*Celastrina argiolus*), Scarce Swallowtails (*Iphiclides podalirius*), Pearly Heaths

(*Coenonympha arcania*), Large Wall (*Lasiommata maera*) and Common Wall Browns (*Lasiommata megera*). We had also a single grayling that was probably the Eastern Rock one (*Hipparchia* cfr. *syriaca*) and, possibly, also an Eastern Marbled Skipper (*Carcharodus orientalis*), although it is impossible to be 100% sure without checking carefully the genitalia.

Now in warm sunshine, we kept going and, after a short transfer by minivan, we reached a garden with hedges of lavender full of skippers and, here and there, Scarce Swallowtail, Adonis Blue, Eastern Bath White (*Pontia edusa*), Small Copper (*Lycaena phlaeas*) and a lovely Niobe Fritillary (*Argynnis niobe*), with an incredibly bright orange upperwing. Then we walked for few hundred metres more, hoping for the Two-tailed Pasha seen in 2019, but with no luck: we found only a dead Glass Lizard (*Ophisaurus apodus*), lying on the roadside without eyes.

People that joined Josip in a pre-supper walk saw a Turtle Dove, Sardinian Warbler and a Spotted Fritillary (*Melitaea didyma*), then we met on the terrace to enjoy soup, *gnocchi* with *goulash* and *fritule*, local donuts, and to fill in the check-list of the day, enjoying the cool temperature and listening the song of a Scops Owl.

Day 4

Thursday 9th June

Zaton Obrovački, Krupa and Posedarje

With a rainy night we didn't run the moth trap and, before breakfast, we went walking among the scattered Olive trees in front of the hotel, in the direction of the ancient Večka Kula tower. We heard Wryneck, Cirl Bunting and Turtle Dove, but we had proper sightings only of a wet Red-backed Shrike, Grayling (*Hipparchia semele*) and Spotted Fritillary, plus a couple of Serins in flight.

Despite the weather forecast suggesting a full day of rain, there were no raindrops so far, so we drove south and we first stopped on a dry grassy plain nearby Zaton Obrovački, where Josip saw a singing Short-toed Lark some time ago, undressing the clothes of the butterfly lovers and turning into birdwatchers for a while! A few seconds after we got out of the minivan, we heard a Rock Partridge. Unfortunately, despite the efforts with playback and telescope, we weren't able to spot it. Even with the noise of the cars along the road, a number of bird songs were audible in the air: Black-headed Bunting, later seen on a wire, Woodlark, Tawny Pipit and Greater Short-toed Lark. In the end, ascending a short hill, we managed to see the Rock Partridge crossing in flight: a lifer for almost everybody and one of the most sought-after birds in Europe!

We continued, descending the wooded foothills of the Velebit mountains where yesterday it had been pouring with rain, until we reached an enchanting and unspoiled valley where had been built, on the sides of the river Krupa, an Orthodox Christian monastery.

We were fascinated by the succession of canals, streams, groves of White Willows and poplars, little stone bridges, meadows and small vegetable gardens. Each twig was populated by tens of Beautiful (*Calopteryx virgo*) and Banded Demoiselles (*Calopteryx splendens*), and each flower was surrounded by a selection of beetles, flies, bugs, bees and mantises of every type: such an amazing biodiversity within a few metres!

We entered a nice meadow, finding instantly tens of Niobe Fritillaries (*Argynnis niobe*) and a single Balkan Marbled White (*Melanargia larissa*), then, continuing, a number of Spotted and Queen of Spain Fritillaries (*Issoria lathonia*),

Meadow Browns (*Maniola jurtina*), Adonis and Silver-studded Blues and a Great Banded Grayling (*Brintesia circe*), perched on a hedge.

Among tens of skippers, we noticed many Lulworth, Small and Large Skippers (*Ochlodes sylvanus*), and a lonely Oberthür's Grizzled (*Pyrgus* cfr. *armoricanus*), Orbed Red-underwing (*Spialia orbifer*) and Mallow Skippers (*Carcharodus alceae*), while the whites appeared with an individual per species: Large (*Pieris brassicae*), Small (*Pieris rapae*), Southern Small (*Pieris manni*), Mountain Small (*Pieris ergane*), Eastern Bath (*Pontia edusa*) and the rare Balkan Green-veined White (*Pieris* cfr. *balkana*). On the stones of the bridges, coming down to enjoy the pale sunshine, were several Large Tortoiseshells (*Nymphalis polychloros*), huge and extremely bright in the colours.

We descended to a wet meadow on the other side of the river, hopping on the stones to cross a few streams: in the ponds, there were some green frogs (*Pelophylax* spp.), Dice Snakes and a couple of Azure Damselflies (*Coenagrion puella*). Along the riverside, Josip discovered the "hotel of the dragonflies": a roosting site for at least three recently emerged Balkan Emeralds (*Somatochlora meridionalis*), characterized by some yellow spots on the sides of the thorax, more easily perceptible in macro photos.

For our lunch, we used the picnic tables outside the monastery, where Luca and Josip set out the buffet while it started to drip raindrops.

We had a loop around the church, noticing that the tombstones were written in the Cyrillic alphabet: a clear sign of the dominant ethnicity of the area, definitely Serbian. In the cemetery, we spotted first a Black-headed Bunting that showed itself perfectly on a nearby tree, then a pair of Golden Orioles on the top of the poplars and a pair of Turtle Doves in the middle of the road.

We caught again the minivan and we drove half an hour to Karin: the light rain turned into a downpour, so we stopped for a while by a restaurant, with traditional melancholic Croatian music, for a coffee or an ice-cream. The rain didn't stop, therefore we couldn't go to visit a new place there nearby and we were forced to give up.

We only broke for a quick visit, under the rain, to the Saint Spirit chapel of Posedarje, built on a little island now connected with the mainland by a narrow path in concrete. We noticed there a few salty habitat plants, like Rock Samphire (*Crithmum maritimum*) and Sea-lavender (*Limonium narbonense*), and two Pygmy Cormorants, a recent addition to the Dalmatian fauna, then we came back to the hotel earlier than usual, at 4.30.

Supper included beautiful dish of delicious fried squids and slices of stingray, followed by a local version of the Italian *tiramisù*.

Day 5

Friday 10th June

Vaganac, Bibinje and Vlačine reservoir

During the night, scaring gusts of wind almost shook the walls of the hotel and in the morning there were still raindrops and strong wind, when we went for a pre-breakfast walk behind the hotel, unfortunately with very few nice observations other than the gorgeous Saint Peter's church, built in pre-Romanesque style more than 1,000

years ago. We chased for a while a singing Melodious Warbler but, despite our efforts, we couldn't get a decent view.

After breakfast, we climbed with the minivan the steep and bendy road that leads to the remote settlement of Vaganac, now mainly deserted. The gusts, mixed with rain, could move the minivan with their strength, not promising anything good.

The panorama while ascending was breath-taking, with the dark blue Adriatic Sea lashed by the wind, with crashing waves and flying spray, and the barren and desolated elongated lands that face the north-east, the direction from which comes the strongest of all the area winds, the *bura* - the wind that was blowing today.

Reaching the end of the asphalt road, we tried to descend by foot to the Veliki Vaganac basin, hoping that in the depth of the valley it was more sheltered, but the gusts of wind risked hurling us to the ground and even low down in the bottom the trees were bending over. Quite a shame because everything was much greener than usual, with flowers like European Stonecrop (*Petrosedum ochroleucum*), Tufted Catchfly (*Silene saxifraga*), Jacob's Rod (*Asphodeline liburnica*), *Bupleurum veronense*, *Euphorbia fragifera*, *Drypis spinosa* and *Dianthus balbisii liburnicus*.

Therefore we had to give up and we descended towards the coast, changing completely the plan for the day and going to explore new areas for the tour, hoping for more sheltered sites. We stopped for a coffee in Posedarje, facing again the Karin Sea, and the wind dropped down noticeably.

We drove for half an hour more to the suburbs of Zadar: they were areas known by Josip because of his bird monitoring activities, but almost unknown for their butterfly potential. We stopped in a quiet countryside corner, with meadows and patches of brambles, Dogwoods (*Cornus sanguinea*) and Privets.

In the grass, where we flushed two Grey Partridges, were abundant Marbled Whites, Meadow Browns, Common Blues and Spotted Fritillaries, but then, checking carefully the hedges, we noticed Sloe Hairstreak (*Satyrrium acaciae*), Wood White (*Leptidea* cfr. *sinapis*), Large Tortoiseshell, Southern White Admiral (*Limenitis reducta*), Lang's Short-tailed Blue (*Leptotes pirithous*) but also a few extremely dark Small Coppers (*Lycena phlaeas*), with the orange almost limited only to the far edge band of the hindwing.

Walking back, Luca showed us a Hobby in the sky and a Lesser Grey Shrike on the top of a Black Poplar, then we arrived at the minivan where Josip had prepared the picnic near a well where there were a pair of Italian Wall Lizards (*Podarcis siculus*). In an adjacent pool, covered in tall weeds, there were also two dragonflies, a Broad-bodied Chaser (*Libellula depressa*) and a Broad Scarlet (*Crocothemis erythraea*).

At one point, we thought that the Lesser Grey Shrikes had become three: beyond the bird already seen, instead, had appeared two Woodchat Shrikes, a male and a female.

Later we moved not far from there and, from the window of the van, Barry noticed an unexpected Camberwell Beauty (*Nymphalis antiopa*) in flight. We immediately stopped, but the butterfly seemed to have vanished. We didn't give up, going back and forth and spotting little by little Cleopatra (*Gonepteryx Cleopatra*), Comma (*Polygonia c-album*), Balkan Green-veined White and, finally, the Camberwell Beauty passed again, going to perch on a leaf not far from us, giving us the possibility to photograph it for a couple of minutes: what a show!

A further exploration of a promising meadow surrounded by Spanish Brooms (*Spartium junceum*) provided quantity, but not quality of butterflies. Suddenly Luca, while driving, noticed a Two-tailed Pasha (*Charaxes jasius*) in flight: the ghost, as it appeared, disappeared in a second, leaving a bitter taste in the mouth because we had used up all our luck with the Camberwell Beauty!

Then we arrived in an open and rocky garigue on the top of a hill where we found several Southern Gatekeepers (*Pyronia cecilia*), a couple of Mallow Skippers and Brown Arguses (*Aricia agestis*), plus a few plants of Hoary Rock-Rose (*Cistus creticus*) still in bloom.

Leaving the Zadar area, near the airport, there first crossed in front of the minivan a Balkan Whip Snake (*Hierophis gemonensis*), then we came across a stunning male of Montagu's Harrier in flight.

We had a last stop at the Vlačine reservoir: on arriving we admired in front of the minivan a wonderful Roller flying around, while by the lake we found hundreds Yellow-legged Gulls having a bath in the fresh water. All the butterflies along the banks were rather ordinary ones, so we concentrated on the dragonflies, identifying Blue Emperor (*Anax imperator*), Black-tailed Skimmer (*Orthetrum cancellatum*) and more difficult females of Southern Skimmer (*Orthetrum brunneum*) and Southern Darter (*Sympetrum meridionale*).

In the distance, Luca pointed out the songs of two Golden Orioles and a Zitting Cisticola, while several Bee-eaters were flying and perching on the dead branches of the trees.

Leaving, we found a nice Red-backed Shrike at the side of the minivan and a male of European Pond Turtle (*Emys orbicularis*), characterized by its long tail, in the middle of the road.

For dinner, we had a starter with local cheese and ham, followed by extremely tender veal and ice-cream. Later Luca spotted and caught a funny Turkish Gecko (*Hemidactylus turcicus*), displaying the distinctive feature of having the claws that protrude out of the fingertips.

Day 6

Saturday 11th June

Oštarijska vrata, Studenci and Kosinj

During the pre-breakfast walk, there was once again an incredibly strong wind, so we couldn't see anything more than a family of Blackbirds and a Cirl Bunting, feeding on the ground.

Then we left the Rajna hotel, heading north. The landscape that flowed on our left was made up of turquoise bays, promontories and moon surface-like terrains of the island of Pag, just across a narrow strait lashed by the strong gusts of wind, the sea rippled with white and the spray rising above the surface, sometimes lit with rainbow colours. After a short break in Karlobag to shop for the picnic, we climbed the steep bendy road that leads to the 900m of altitude of the Ostarijska Vrata pass. Near the Austro-hungarian *kubus*, the wind was still strong, but just a little bit lower we managed to find some areas sheltered by the trees where could find butterflies: Painted Lady (*Vanessa cardui*), Southern Small White and the first Bright-eyed Ringlets (*Erebia oeme*) of the holiday.

We walked along a forest road, starting to see little by little more butterflies, especially on the Viper's-Bugloss (*Echium vulgare*) blue flowers, including Amanda's Blue, Geranium Argus (*Eumedonia eumedon*), Assmann's Fritillary (*Melitaea* cfr. *britomartis*), Large Grizzled Skipper (*Pyrgus* cfr. *alveus*) and Narrow-bordered Bee Hawk-moth (*Hemaris tityus*).

On the limestone rocks, enjoying the sunshine were one Common Wall Lizard (*Podarcis muralis*) and several Adriatic Wall Lizards (*Podarcis melisellensis*), characterized by the bright orange underparts of the males.

In the sky hovering, against the wind, were two Short-toed Eagles, while not far from us we heard the song of a rare Ortolan Bunting, soon spotted in the open on a little tree, followed by a rather tame Tawny Pipit.

Then we crossed through the dry grass, noticing Eastern Large Heath (*Coenonympha rhodopensis*), Chestnut Heath and Clouded Apollo, finding a grove that created some shelter from the wind, where the butterflies gathered.

Later we moved to the Cret Ljubica area to have lunch, nearby a lovely stream that created small pools and bogs. While Luca and Josip prepared the picnic, we explored the place, spotting the first Early Marsh-Orchids (*Dactylorhiza incarnata*), Broad-leaved Cottongrasses (*Eriophorum latifolium*) and Scarce Chaser (*Libellula fulva*). When we were eating a large flock of sheep belonging to a local breed with the muzzle spotted of black came to visit us, while at pudding time a wonderful male Lesser Spotted Woodpecker appeared on a bush, very close to the group.

In a second exploration of the bog, Luca pointed out three Alpine Newts (*Ichthyosaura alpestris*) in the water, with their bluish colour, while we couldn't find any Amethyst Meadow Squill in bloom.

We stopped in Baške Oštarije for a coffee and, behind the café, at the edge of the forest, we saw Frog Orchid (*Dactylorhiza viridis*) and White Helleborine (*Cephalanthera damasonium*). To these, we added further on some stunning Red Helleborines (*Cephalanthera rubra*), spotted by Luca on the roadside.

We had a stop not far from the village of Studenci in some dry meadows with Dropwort, Badassi (*Lotus* cfr. *dorycnium*), Grey Cinquefoil (*Potentilla cinerea*), Horseshoe Vetch (*Hippocrepis comosa*) and Pyramidal Orchid (*Anacamptis pyramidalis*), and after some searches, we found Safflower Skipper and Orbed Red-underwing Skipper, Adonis Blue and possibly Nickerl's Fritillary (*Melitaea aurelia*).

On the edge of the woodland of Manna Ashes, European Hop-Hornbeams (*Ostrya carpinifolia*), Montpellier Maples (*Acer monspessulanum*) and Bigleaf Lindens (*Tilia platyphyllos*), we added Ilex Hairstreak (*Satyrium ilicis*), Eastern Baton Blue (*Pseudophilotes vicrama*) and a fantastic Chequered Blue (*Scolitantides orion*) while coming back to the minivan Luca spotted an attractive Slender Scotch Burnet with yellowish legs.

Near the Kosinj bridge, we had a quick exploration of the tall grass, hoping in vain for the Large Blue seen in 2018: we found instead a poor little Red Fox, possibly suffering something like epileptic seizures, plus two Purple-shot Coppers (*Lycaena alciphron*) and few more Amanda's Blues.

One hour more of travelling along a road literally without straight segments any longer than 300m, seeing on the way Hoopoe, Spotted Flycatcher and Bee-eaters, and we finally arrived at the Jure hotel of Krasno after 7 o'clock p.m.

Dinner included a hamburger filled with cheese and potatoes.

Day 7

Sunday 12th June

Turinski Krč, Northern Velebit National Park and Krasno Polje

Finally, without strong winds during the night, this morning we met again at half past 6 a.m. by the moth trap set behind the hotel. Unfortunately, probably because of the almost full moon, the harvest was rather disappointing, with only two Cream-spot Tigers (*Arctia villica*), a couple of Small Magpies (*Anania hortulata*), Buff-Tip (*Phalera bucephala*), Small Elephant Hawkmoth, Clouded Border (*Lomasipilis marginata*), Peppered Moth (*Biston betularia*) and few more less colourful moths.

So Josip led a walk around the village, seeing Red-backed Shrike and Hawfinch, joined by the end also by Luca who found a Lesser Marbled Fritillary (*Brenthis ino*) on the edge of a meadow.

After the breakfast and a stop at a minimarket, we headed west to the neighbourhood of Oltari, in a locality called Turinski Krč, where we went to explore a stony slope: despite the sun, there was once again a strong wind that blew away all the butterflies we flushed. The list of the identified ones included some fritillaries, (Assmann's, Spotted, Lesser Spotted (*Melitaea trivia*) and Glanville), and blues like Amanda's, Mazarine and Common. We descended on the other side of the saddle, finding there some Bright-eyed Ringlets that clung with all their strengths to the stems and the flowers of the scabiouses. Unfortunately, despite the efforts and the presence of the food-plant Cross Gentian (*Gentiana cruciata*), we were not able to find any Alcon Blue.

We continued on foot along a rough road in between the woodland and a series of colourful meadows. Many butterflies came on the ground, possibly attracted by some substances in the wet soil, including tens of Dark-green Fritillaries, Amanda's Blues and a couple of Dukes of Burgundy (*Hamearis lucina*).

We finally penetrated in the last meadow covered in Yellow Oxeye (*Buphthalmum salicifolium*) and Common Oxeye Daisies (*Leucanthemum* cfr. *vulgare*), Mountain Clovers (*Trifolium montanum*) and Meadow Sage (*Salvia pratensis*), and we kept busy for almost two hours chasing and photographing Sooty Coppers (*Lycaena tityrus*), Grizzled, Large Grizzled and Dingy Skippers (*Erynnis tages*), False Heath Fritillaries (*Melitaea diamina*) and Turquoise Blues (*Polyommatus dorylas*) with their amazing tinge on the upperwing impossible to portray with a picture. Luca, with his net, caught first a normal High Brown Fritillary (*Argynnis adippe*), and then its peculiar yellow version called the *cleodoxa* form.

Maybe the best sighting of the day had been a cracking male Scarce Copper on a Yellow Oxeye Daisy: what a view! For the lunch, we moved through the Beech, Silver Fir and Spruce forest to the entrance of the dirt road that leads to the refuge Dom Zavizan, in the Northern Velebit National Park. Here we found a nice place for the picnic, being able to choose the tables either in the sunshine or those in the shade. A Honey Buzzard passed in flight,

while the several bush explorations produced good observations of Blackish Columbine (*Aquilegia nigricans*), Rock Crane's-Bill (*Geranium macrorrhizum*), Hound's-Tongue (*Cynoglossum officinale*) and Alpine Rose (*Rosa pendulina*).

After paying the ticket, we could drive higher to a car park surrounded by attractive limestone rocks, curiously eroded, from which started another path. At an altitude of more than 1,500m, the flora was completely different, with strong alpine influences in the flower carpets: Rock Thyme (*Clinopodium alpinum*), Alpine Bedstraw (*Galium anisophyllum*), Catsfoot (*Antennaria dioica*), Silvery Yarrow (*Achillea clavennae*), Round-headed Rampion (*Phyteuma orbiculare*) and the endemic chickweed *Cerastium grandiflorum*, to just mention a few.

The butterfly presences were unfortunately rather poor, with only some Pearl-bordered Fritillaries (*Clossiana euphrosyne*) to add to the list, while among the birds we had Raven and two Alpine Chough passing in the sky.

We descended to a botanical garden where, thanks to the labels or to Luca, we noticed the pink *Scorzonera purpurea*, Heath Dog-violet (*Viola* cfr. *canina*), French Meadow-Rue (*Thalictrum aquilegifolium*), Common Juniper (*Juniperus communis*) and Mountain Dwarf Pine (*Pinus mugo*). Among the many Woodland Ringlets, we spotted also a couple of unexpected Small Mountain Ringlets (*Erebia epiphron*), noticeably smaller and with the under part of the hindwing plain brown.

It needed quite an effort to climb the road to the refuge, rewarded by the view that stretched down to the Adriatic Sea, with the islands of Krk and Cres and the distant shape of the Istrian peninsula.

Here the carpets of *Cerastium grandiflorum*, Spring Sandwort (*Sabulina verna*) and Thyme (*Thymus* sp.), to which we added a few rare yellow-orange Carniolan Lilies (*Lilium carniolicum bosniacum*), hosted good quantities of Small Tortoiseshells, Woodland Ringlets, Eastern Large Heaths and Dingy Skippers, but nothing new for the trip.

A local Velebitsko beer or a Turkish coffee recovered the group from the fatigue, the sunshine and the wind, while on the side of the loo door, we discovered a surprising pickled Horned Viper in a jar!

For the return, Josip was so kind to walk back to the car park and, asking for a special permission, to drive the minivan almost to the refuge, to pick up us just after we found another nice Clouded Apollo.

We descended for a while, coming back to the valley of Krasno, called *polje*, and spent some more time in the field, exploring the grassy slopes around a former ski-lift. In the field full of flowers like Globe-flowered Orchid (*Traunsteinera globosa*), Fragrant Orchid (*Gymnadenia conopsea*), Orange Lily (*Lilium bulbiferum*), White Asphodel (*Asphodelus albus*), Red Trefoil (*Trifolium rubens*) and Deptford Pink (*Dianthus armeria*), the butterflies were hard to be intercepted: Sooty Copper, Chequered, Common and Mazarine Blue, Twin-spot Fritillary, Chestnut and Pearly Heath, Meadow Brown, Six-spot Burnet (*Zygaena filipendulae*), Black-veined Moth (*Siona lineata*), etc... and a surprise, the first Peacock (*Inachis io*) of the trip: a wonderful butterfly if it wasn't so widespread at home. People interested in birds also noticed some more Red-backed Shrikes, Corn Buntings and several Mistle Thrushes.

We came back to the hotel at 18.15, with time for a shower before a supper with a tasty *goulash* and polenta.

Day 8

Monday 13th June

Sinac, Ogulin and Smerovišće

The almost full moon affected also the last moth-trapping session, so we found only Cream-spot Tiger, Buff-Tip, Peppered Moth, Latticed Heath (*Chiasmia clathrata*) and a nice Barrett's Marbled Coronet (*Conisania luteago*).

Then Chris, on a plum tree opposite the hotel, spotted for the group an unexpected Black Hairstreak (*Satyrium pruni*) at breakfast time: by the end there were at least two of those high in the foliage, together with a Pearly Heath. Then we left Krasno to move little by little in the direction of Zagreb.

We first stopped on the road before arriving in Švica, because two Honey Buzzards, male and female, were flying with a Sparrowhawk.

Nearby Sinac, we went along a secondary road through lovely traditional countryside, with cultivated stripes of terrain spaced with natural meadow covered in Dropworts and with many scrubs and groves of little trees here and there. In such an interesting habitat there was no lack of farmland birds that included two Yellow Wagtails, a Lesser Grey Shrike, a number of Red-backed Shrikes and Whinchats, Corn Bunting, Common Whitethroat and Tree Sparrows.

We arrived in Majerolo vrilo, where are located the karstic river Gacka springs, that emerges here to be channelled into an electric power station after just 11 km and soon afterwards disappears in an aqueduct, that moves its waters to the Adriatic coast. Here we parked nearby a series of ancient wooden mills, some of these still working, and we went walking across several footbridges that connect the mills, crossing over the innumerable streams in which the clear waters of the Gacka split. Two Dippers were hiding in the shade under those bridges, while a Serin was singing in the distance and a family of Black Redstarts was hanging out on the fence of a house. Downstream from the mills, there was a number of Mallards and Little Grebes with nests or chicks.

On one side of the river, the small patches of grass hosted some Reverdin's Blues (*Plebejus* cfr. *argyrognomon*) and Essex Skippers (*Thymelicus lineola*), while on the other side we were surprised by the fast passage of a Poplar Admiral (*Limenitis populi*), which soon disappeared behind the houses. We tried hard to find it again, but with no success, but we discovered instead Clouded Apollo, Comma, Twin-spot Fritillary, possibly Nickerl's Fritillary and a couple of Downy Emeralds (*Cordulia aenea*), while being fascinated by the turquoise of the deepest meanders of the river, by the bright green willows and by the peace which that place, apparently unchanged for centuries, inspired. Then we had to drive two hours, while the temperature rose noticeably to 30 degrees.

A coffee break in a petrol station nearby Ogulin revealed one of the most unexpected gems. A Silver-washed Fritillary (*Argynnis paphia*) was exploring the buffet, but when we went to have a quick look to the meadows behind the building, we discovered they were covered in scabiouses, Greater Knapweed (*Centaurea scabiosa*), daises, etc, all extremely promising plants. In fact Luca first spotted the first Weaver's Fritillaries (*Boloria dia*) of the trip, then Ian got a photo of a second brood Map Butterfly (*Araschnia levana*) and an endless series of sightings occurred: Short-tailed Blue (*Cupido argiades*), Purple-shot Copper, Great Banded Grayling, Marbled White, Sloe Hairstreak, Essex Skipper, Comma and a dead Cleopatra, possibly roadkilled by a car along the coast and carried here. Such an incredible biodiversity even in the garden of a petrol station!

In the area of Karlovac, we saw from the minivan more Common Buzzards, a Honey Buzzard and a Black Kite, then, almost on the western Zagreb suburbs, we left the motorway to follow a narrow road that climbed among hills covered in vineyards. We spotted a Martagon Lily (*Lilium martagon*) on the roadside, then we stopped in the Velika Vrata pass, checking the rocky cliffs and finding a couple of stunning Large Chequered Skippers (*Heteropterus morpheus*) that were opening their wings in order to collect the few rays of sun that could penetrate the clouds.

A bit lower, the meadow was promising, with plenty of flowers on the edge of the forest, but we only found many Heath Fritillaries, Marbled Whites and, in flight, probably the first proper Green-veined White (*Pieris napi*) of the trip; the same happened in an adjacent quarry, with just a Green Hairstreak (*Callophrys rubi*).

Much lower, on the way to Smerovišće, we stopped again and we were enchanted by the view of two breath-taking male Large Coppers (*Lycaena dispar*). Further on, Josip pointed out to us on the roadside, a Hungarian Glider (*Neptis rivularis*) licking the mud, while Luca came with a Marbled Fritillary (*Brenthis daphne*) in the net, then followed butterflies like Maps and some more Large Coppers: simply spectacular!

Luca managed to catch also a Green-veined White, to confirm the data, while among the birds we observed a Goldcrest and a couple of fledging Short-toed Treecreepers, still being fed by the parents, on the trees beside a stream. The last spotted species, a Sombre Goldenring (*Cordulegaster bidentata*), was found perched for few seconds in the open on some dead twigs.

So we could finally chill-out sitting for lunch in Samobor, enjoying some large portions of pasta with Bolognese sauce and the last Croatian beer. From here, in less than half an hour, we reached comfortably the airport, saying goodbye to our great guides that with such a passion led us during these incredibly intense eight days discovering the amazing biodiversity of Croatia.

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Species lists

Butterflies

Common name	Scientific name	June 2022							
		6	7	8	9	10	11	12	13
	Papilionidae								
Common Swallowtail	<i>Papilio machaon</i>					1c		1	
Scarce Swallowtail	<i>Iphiclides podalirius</i>		1	5	1	1	1	3	
Southern Festoon	<i>Zerynthia polyxena</i>		2						
Clouded Apollo	<i>Parnassius mnemosyne</i>		3				3	5	1
	Pieridae								
Black-veined White	<i>Aporia crataegi</i>		3			2	10	10	
Balkan Green-veined White	<i>Pieris</i> cfr. <i>balcana</i>				1	1			
Large White	<i>Pieris brassicae</i>		✓		1				
Mountain Small White	<i>Pieris ergane</i>				1				
Southern Small White	<i>Pieris mannii</i>				1		2	1	
Green-veined White	<i>Pieris napi</i>								2
Small White	<i>Pieris rapae</i>			1			1	1	1
Eastern Bath White	<i>Pontia edusa</i>			1	1	3			
Clouded Yellow	<i>Colias crocea</i>		3	5	4	✓	3	5	
Cleopatra	<i>Gonepteryx cleopatra</i>					2			1d
Brimstone	<i>Gonepteryx rhamni</i>		2				1	4	3
Wood White	<i>Leptidea</i> cfr. <i>sinapis</i>					1		3	3
	Lycaenidae								
Sloe Hairstreak	<i>Satyrium acaciae</i>					10			1
Ilex Hairstreak	<i>Satyrium ilicis</i>						2		
Black Hairstreak	<i>Satyrium pruni</i>								2
Blue-spot Hairstreak	<i>Satyrium spini</i>			5	1	1			
White-letter Hairstreak	<i>Satyrium w-album</i>				1				
Green Hairstreak	<i>Callophrys rubi</i>							1	1
Purple-shot Copper	<i>Lycaena alciphron</i>						2		
Large Copper	<i>Lycaena dispar</i>								6
Small Copper	<i>Lycaena phlaeas</i>			1	3	10			
Sooty Copper	<i>Lycaena tityrus</i>							4	2
Scarce Copper	<i>Lycaena virgaureae</i>							1	
Lang's Short-tailed Blue	<i>Leptotes pirithous</i>					3			
Little Tiger Blue	<i>Tarucus balkanica</i>			2					
Holly Blue	<i>Celastrina argiolus</i>			1	3	5			3
Short-tailed Blue	<i>Cupido argiades</i>								1
Small Blue	<i>Cupido minimus</i>		3				3	5	
Iolas Blue	<i>Iolana iolas</i>		1						
Eastern Baton Blue	<i>Pseudophilotes vicrama</i>		1				1		
Chequered Blue	<i>Scolitantides orion</i>						2	1	
Silver-studded Blue	<i>Plebejus argus</i>			5	3		5		
	<i>Plebejus</i> cfr. <i>argyrognomon</i>								3
Reverdin's Blue									
Geranium Argus	<i>Eumedonia eumedon</i>						3		
Mazarine Blue	<i>Cyaniris semiargus</i>		5				3	10	
Amanda's Blue	<i>Polyommatus amandus</i>		10				20	20	
Turquoise Blue	<i>Polyommatus dorylas</i>							4	
Common Blue	<i>Polyommatus icarus</i>		✓	✓	✓	✓	✓	✓✓	✓
Adonis Blue	<i>Lysandra bellargus</i>		2	10	10	1	5	1	
Brown Argus	<i>Aricia agestis</i>		2			3	1	2	

Common name	Scientific name	June 2022							
		6	7	8	9	10	11	12	13
	Riodinidae								
Duke of Burgundy	<i>Hamearis lucina</i>							2	
	Nymphalidae								
Two-tailed Pasha	<i>Charaxes jasius</i>					1			
Poplar Admiral	<i>Limenitis populi</i>								1
Southern White Admiral	<i>Limenitis reducta</i>					5			
Hungarian Glider	<i>Neptis rivularis</i>								1
Camberwell Beauty	<i>Nymphalis antiopa</i>					1			
Large Tortoiseshell	<i>Nymphalis polychloros</i>				5	5	1		
Small Tortoiseshell	<i>Aglais urticae</i>		1	1				10	1
Peacock	<i>Inachis io</i>							1	2
Red Admiral	<i>Vanessa atalanta</i>		1		1	2		3	5
Painted Lady	<i>Vanessa cardui</i>		6				2	5	1
Comma	<i>Polygonia c-album</i>		2	1	1	1		2	1
Southern Comma	<i>Polygonia egea</i>			2	2		1		
Map	<i>Araschnia levana</i>								3
High Brown Fritillary	<i>Argynnis adippe</i>							1	
	<i>Argynnis adippe</i> f. <i>cleodoxa</i>							1	
Dark Green Fritillary	<i>Argynnis aglaja</i>		2					15	
Niobe Fritillary	<i>Argynnis niobe</i>			1	20				
Silver-washed Fritillary	<i>Argynnis paphia</i>							3	1
Queen of Spain Fritillary	<i>Issoria lathonia</i>		1		1	1	1	10	
Marbled Fritillary	<i>Brenthis daphne</i>								10
Twin-spot Fritillary	<i>Brenthis hecate</i>		3	1			1	2	1
Lesser Marbled Fritillary	<i>Brenthis ino</i>							1	
Weaver's Fritillary	<i>Clossiana dia</i>								3
Pearl-bordered Fritillary	<i>Clossiana euphrosyne</i>							10	
Heath Fritillary	<i>Melitaea</i> cfr. <i>athalia</i>		20				✓		✓
Nickerl's Fritillary	<i>Melitaea</i> cfr. <i>aurelia</i>						✓		
Assmann's Fritillary	<i>Melitaea</i> cfr. <i>britomartis</i>			2			✓	✓✓	
Glanville Fritillary	<i>Melitaea cinxia</i>		10				20	10	
False Heath Fritillary	<i>Melitaea</i> cfr. <i>diamina</i>		2					1	
Spotted Fritillary	<i>Melitaea didyma</i>			2	10	5		2	
Knapweed Fritillary	<i>Melitaea phoebe</i>		1				1		
Lesser Spotted Fritillary	<i>Melitaea trivia</i>		1					3	
Marbled White	<i>Melanargia galathea</i>			5	3	✓✓✓	5		✓
Balkan Marbled White	<i>Melanargia larissa</i>				2				
Eastern Rock Grayling	<i>Hipparchia</i> cfr. <i>syriaca</i>			1					
Grayling	<i>Hipparchia semele</i>			1	2		2		
Great Banded Grayling	<i>Brintesia circe</i>				1				1
Small Mountain Ringlet	<i>Erebia epiphron</i>							2	
Woodland Ringlet	<i>Erebia medusa</i>		10					10	
Bright-eyed Ringlet	<i>Erebia oeme</i>						20	2	
Speckled Wood	<i>Pararge aegeria aegeria</i>			1					
Large Wall Brown	<i>Lasiommata maera</i>			5			1		
Wall Brown	<i>Lasiommata megera</i>			3	2		2	2	
Meadow Brown	<i>Maniola jurtina</i>			1	✓✓	✓✓✓	1	2	✓
Southern Gatekeeper	<i>Pyronia cecilia</i>					10			
Pearly Heath	<i>Coenonympha arcania</i>		3	3			10	10	1
Chestnut Heath	<i>Coenonympha glycerion</i>			5			2	3	

Common name	Scientific name	June 2022							
		6	7	8	9	10	11	12	13
Small Heath	<i>Coenonympha pamphilus</i>		✓	✓	✓	✓	✓	✓	✓
Eastern Large Heath	<i>Coenonympha rhodopensis</i>						2	10	
	Hesperiidae								
Large Grizzled Skipper	<i>Pyrgus</i> cfr. <i>alveus</i>						3	3	
Oberthür's Grizzled Skipper	<i>Pyrgus</i> cfr. <i>armoricanus</i>				1				
Safflower Skipper	<i>Pyrgus carthami</i>					1	4		
Grizzled Skipper	<i>Pyrgus</i> cfr. <i>malvae</i>		2				3	1	
Orbed Red-underwing Skipper	<i>Spialia orbifer</i>				1		3	1	
Mallow Skipper	<i>Carcharodus alceae</i>				1	3	1		
Oriental Marbled Skipper	<i>Carcharodus</i> cfr. <i>orientalis</i>			1					
Dingy Skipper	<i>Erynnis tages</i>		1				2	5	
Large Chequered Skipper	<i>Heteropterus morpheus</i>								4
Lulworth Skipper	<i>Thymelicus acteon</i>			✓✓	✓✓	✓			
Essex Skipper	<i>Thymelicus lineola</i>								3
Small Skipper	<i>Thymelicus sylvestris</i>			✓	✓	1			
Large Skipper	<i>Ochlodes sylvanus</i>				2	1	1	3	

Moths

Common name	Scientific name	June 2022							
		6	7	8	9	10	11	12	13
F=Flying, T=Trapped									
MICRO									
	Adelidae								
Brassy Longhorn	<i>Nemophora</i> cfr. <i>metallica</i>		1F						
	Crambidae								
Small Magpie	<i>Anania hortulata</i>							3T	
Golden Pearl	<i>Anania verbascalis</i>		1T						
Scotch Grass-veneer	<i>Catoptria</i> cfr. <i>permutatellus</i>		3T						
Orange-bar Grass-veneer	<i>Chrysocrambus linetella</i>		1F	2F				1T	
Garden Grass-veneer	<i>Chrysoteuchia culmella</i>								1T
Hook-streaked Grass-veneer	<i>Crambus lathoniellus</i>		1T					2T	
Inlaid Grass-veneer	<i>Crambus pascuella</i>		1T						
Box Tree Moth	<i>Cydalima perspectalis</i>		1T						
A crambid	<i>Eurrhysis pollinalis</i>						1F		
A crambid	<i>Pediasia luteella</i>		1T						
Mint Moth	<i>Pyrausta aurata</i>				1F				
Straw-barred Pearl	<i>Pyrausta despicata</i>		1T	1F					
A crambid	<i>Scoparia</i> sp.							4T	1T
Lesser Pearl	<i>Sitochroa verticalis</i>			2T					
A crambid	<i>Xanthocrambus saxonellus</i>			1T					
	Gelechiidae								
A gelechid	<i>Metzneria</i> sp.		1T						
	Tortricidae								
Triangle-marked Roller	<i>Ancylis achatana</i>								1T
A tortricid	<i>Archips</i> sp.			1T					
Barred Marble	<i>Celypha striana</i>							1T	
A tortricid	<i>Cnephasia</i> sp.			1T					

Common name	Scientific name	June 2022							
		6	7	8	9	10	11	12	13
Large Beech Piercer	<i>Cydia fagiglandana</i>							2T	
Marbled Piercer	<i>Cydia</i> cfr. <i>splendana</i>			1T					
Red Piercer	cfr. <i>Lathronympha strigana</i>								1T
A tortricid	<i>Notocelia</i> sp.			1T					1T
Common Marble	<i>Syricoris lacunana</i>		3T						
MACRO									
Cossidae									
Goat Moth	<i>Cossus cossus</i>		1T						
Zygaenidae									
A forester	cfr. <i>Jordanita</i> sp.							1F	
A forester	<i>Adscita</i> sp.		10F				1F	√F	
Six-spot Burnet	<i>Zygaena</i> cfr. <i>filipendulae</i>						√F	√F	1F
Slender Scotch Burnet	<i>Zygaena loti</i>		1F				3F	2F	√F
Transparent Burnet	<i>Zygaena</i> cfr. <i>purpuralis</i>			1F			2F	1F	
Southern Six-spot Burnet	<i>Zygaena</i> cfr. <i>transalpina</i>			1F					
Burnet sp.	<i>Zygaena</i> sp.							1C	
Lasiocampidae									
Oak Eggar	<i>Lasiocampa quercus</i>					1C			
Fox moth	<i>Macrothylacia rubi</i>							1T	
A lackey	<i>Malacosoma</i> sp.							1C	
Geometridae									
Orange Moth	<i>Angerona prunaria</i>								1F
Peppered Moth	<i>Biston betularia</i>							1T	1T
Common White Wave	cfr. <i>Cabera pusaria</i>		1T						
Little Thorn	<i>Cepphis advenaria</i>		1T						
Latticed Heath	<i>Chiasmia clathrata</i>							√F	2T
Southern Grass Emerald	<i>Chlorissa cloraria</i>			2T					
Common Heath	<i>Ematurga atomaria</i>						1F		
Speckled Beauty	<i>Fagivorina arenaria</i>							1T	
Common Emerald	<i>Hemithea aestivaria</i>		1T	2T					
Fern	<i>Horisme tersata</i>							1T	
Pale Oak Beauty	<i>Hypomecis punctinalis</i>		2T						1T
Golden-yellow Wave	<i>Idaea aureolaria</i>			√F			√F	√F	
Lustrous Least Carpet	<i>Idaea filicata</i>				1F				
Bright Wave	<i>Idaea ochrata</i>				1F	1F			
Plain Wave	<i>Idaea</i> cfr. <i>straminata</i>		1T	1T					
Clouded Border	<i>Lomaspilis marginata</i>		1T					1T	
Willow Beauty	<i>Peribatodes</i> cfr. <i>rhomboidaria</i>		2T		1F	1F		3T	1T
An emerald	<i>Phaiogramma etruscaria</i>		2T						
Giant Looper	<i>Ascotis selenaria</i>		1T						
Middle Lace Border	<i>Scopula decorata</i>						√F		
Brown Scallop	<i>Philereme vetulata</i>			1T					
Lesser Cream Wave	<i>Scopula immutata</i>			1T					
A wave	<i>Scopula</i> cfr. <i>incanata</i>			1T					
Lace Border	<i>Scopula ornata</i>			2T, 1F	1F				
A lace border	<i>Scopula tessellaria</i>		3F				1F		1F
A lace border	<i>Scotopteryx coerctaria</i>						1F		
Black-veined Moth	<i>Siona lineata</i>		10F				2F	√F	√F
Essex Emerald	<i>Thetidia smaragdaria</i>		1T						

Common name	Scientific name	June 2022							
		6	7	8	9	10	11	12	13
	Sphingidae								
Small Elephant Hawkmoth	<i>Deilephila porcellus</i>			3T				1T	
Olive Bee Hawkmoth	<i>Hemaris croatica</i>			1F					
Narrow-bordered Bee Hawk-moth	<i>Hemaris tityus</i>						2F		
Hummingbird Hawk-moth	<i>Macroglossum stellatarum</i>		3F	1F			2F	✓F	1F
	Notodontidae								
Buff-tip	<i>Phalera bucephala</i>							1T	1T
	Erebidae								
Druid	<i>Aedia funesta</i>		1T				2F		
Ragusa's Nine-spotted	<i>Amata marjana/kruegeri</i>			5F					
Nine-spotted	<i>Amata phegea</i>		✓✓F		✓F	✓F	✓F		✓F
Cream-spot Tiger	<i>Arctia villica</i>							2T	1T
Mother Shipton	<i>Callistege mi</i>		1F				2F	✓F	
An erbid moth	<i>Dysauxes famula</i>			✓F		1F			
Passenger	<i>Dysgonia algira</i>					1F			
Burnet Companion	<i>Euclidia glyphica</i>		✓F				✓F		
Shaded Fan-foot	<i>Herminia cfr. tarsicrinalis</i>		1T	5T					
Scarce Blackneck	<i>Lygephila cracca</i>		1T						
A fan-foot	<i>Polypogon tentacularia</i>		1T,1 F	2T					
Buff Ermine	<i>Spilosoma lutea</i>		1T						
	Noctuidae								
Heart and Dart	<i>Agrotis exclamationis</i>		3T						3T
Silver Y	<i>Autographa gamma</i>		2F					1T	1T
Treble Lines	<i>Charanyca trigrammica</i>		10T					1T	
Pale Mottled Willow Moth	<i>Caradrina cfr. clavipalpis</i>							1T	
A rustic	<i>Caradrina cfr. selini</i>								1T
Barrett's Marbled Coronet	<i>Conisania luteago</i>								1T
Coronet	<i>Craniophora ligustri</i>		1T						
Burnished Brass	<i>Diachrysis cfr. chrysis</i>		1T						
Bird's Wing	<i>Dypterygia scabriuscula</i>		2T						
Rosy Marbled	<i>Elaphria venustula</i>			1T					
Bordered Straw	<i>Heliothis peltigera</i>						1F		
Uncertain	<i>Hoplodrina cfr. octogenaria</i>		2T						
Light Brocade	<i>Lacanobia w-latinum</i>		2T						
A brocade	<i>Lacanobia sp.</i>		3T						
Marbled Minor	<i>Oligia strigilis complex</i>		1T	10T				1T	1T
Grey Arches	<i>Polia nebulosa</i>		3T						

Birds (H = Heard only)

Common name	Scientific name	June 2022							
		6	7	8	9	10	11	12	13
Mute Swan	<i>Cygnus olor</i>			2	4	1			
Mallard	<i>Anas platyrhynchos</i>		✓		10	✓	✓		10
Rock Partridge	<i>Alectoris graeca saxatilis</i>				2				
Grey Partridge	<i>Perdix perdix</i>					2			
Common Quail	<i>Coturnix coturnix</i>			h					
Common Pheasant	<i>Phasianus colchicus</i>			h	h	5			
Little Grebe	<i>Tachybaptus ruficollis</i>								3

Common name	Scientific name	June 2022							
		6	7	8	9	10	11	12	13
Grey Heron	<i>Ardea cinerea</i>			1					1
Great White Egret	<i>Ardea alba</i>			1					
Little Egret	<i>Egretta garzetta</i>					1			1
Pygmy Cormorant	<i>Microcarbo pygmaeus</i>				2				
European Shag	<i>Gulosus aristotelis desmarestii</i>			2	3				
European Honey Buzzard	<i>Pernis apivorus</i>							1	3
Black Kite	<i>Milvus migrans</i>								1
Short-toed Snake Eagle	<i>Circaetus gallicus</i>						2		
Eurasian Sparrowhawk	<i>Accipiter nisus</i>		1						2
Montagu's Harrier	<i>Circus pygargus</i>				1	2			
Common Buzzard	<i>Buteo buteo</i>		2	3			1		5
Eurasian Coot	<i>Fulica atra</i>					1			3
Black-headed Gull	<i>Chroicocephalus ridibundus</i>				2	2			
Yellow Legged Gull	<i>Larus michahellis</i>			✓	✓	✓✓	✓		10
Feral Pigeon	<i>Columba livia</i> var. <i>domestica</i>		✓	✓	✓	✓	✓	1	✓
Common Wood Pigeon	<i>Columba palumbus</i>		4				3	1	10
Eurasian Collared Dove	<i>Streptopelia decaocto</i>			2	2	✓	✓		
European Turtle Dove	<i>Streptopelia turtur</i>		h	2	5	2	2		
Common Cuckoo	<i>Cuculus canorus</i>		2h	2h	h	h	2h	h	
Eurasian Scops Owl	<i>Otus scops</i>			h					
Alpine Swift	<i>Tachymarpis melba</i>			h					
Great Crested Grebe	<i>Podiceps cristatus</i>					2			
Common Swift	<i>Apus apus</i>				8	✓			
Pallid Swift	<i>Apus pallidus</i>			h		✓			
European Roller	<i>Coracias garrulus</i>					1			
European Bee-eater	<i>Merops apiaster</i>					5	1		
Eurasian Hoopoe	<i>Upupa epops</i>			2			2		
Eurasian Wryneck	<i>Jynx torquilla</i>		1	h	h	h			
Lesser Spotted Woodpecker	<i>Dryobates minor</i>						1		
Middle Spotted Woodpecker	<i>Dendrocoptes medius</i>		2h						
Grey-headed Woodpecker	<i>Picus canus</i>		h,d				h	h	
Common Kestrel	<i>Falco tinnunculus</i>					2	1	1	
Eurasian Hobby	<i>Falco subbuteo</i>					2			
Red-backed Shrike	<i>Lanius collurio</i>		3	5	1	1	2	3	7
Lesser Grey Shrike	<i>Lanius minor</i>					1			1
Woodchat Shrike	<i>Lanius senator</i>					2			
Eurasian Golden Oriole	<i>Oriolus oriolus</i>		h	2	3	2h	3		
Eurasian Jay	<i>Garrulus glandarius</i>		1				2	2	1
Eurasian Magpie	<i>Pica pica</i>					3	3		2
Alpine Chough	<i>Pyrrhocorax graculus</i>							2	
Hooded Crow	<i>Corvus cornix</i>	4	2	2	1	10	1		3
Northern Raven	<i>Corvus corax</i>			1			3	1	h
Marsh Tit	<i>Poecile palustris</i>		h				2h	h	h
Coal Tit	<i>Periparus ater</i>		3h					2h	
Eurasian Blue Tit	<i>Cyanistes caeruleus</i>		3h						
Great Tit	<i>Parus major</i>		3	h	2h	h	2h	1	h
Greater Short-toed Lark	<i>Calandrella brachydactyla</i>				h				
Woodlark	<i>Lullula arborea</i>	h	h	2	h			4	
Eurasian Skylark	<i>Alauda arvensis</i>		2h	h			h		h

Common name	Scientific name	June 2022							
		6	7	8	9	10	11	12	13
Crested Lark	<i>Galerida cristata</i>			1					
Barn Swallow	<i>Hirundo rustica</i>		10	✓✓	✓✓	✓✓	✓	✓	✓
Eurasian Crag Martin	<i>Ptyonoprogne rupestris</i>			5	2				
Common House Martin	<i>Delichon urbicum</i>		10	✓✓	✓	✓	✓✓	✓✓	✓
Common Chiffchaff	<i>Phylloscopus collybita</i>		3h	h			h	h	h
Great Reed Warbler	<i>Acrocephalus arundinaceus</i>					h			
Eurasian Reed Warbler	<i>Acrocephalus scirpaceus</i>					h			
Cetti's Warbler	<i>Cettia cetti</i>				h				
Zitting Cisticola	<i>Cisticola juncidis</i>					2			
Melodious Warbler	<i>Hippolais polyglotta</i>					1			
Eurasian Blackcap	<i>Sylvia atricapilla</i>		5h	2h	h	2h	h	3h	5h
Barred Warbler	<i>Curruca nisoria</i>		2h	1					
Lesser Whitethroat	<i>Curruca curruca</i>							h	
Eastern Orphean Warbler	<i>Curruca crassirostris</i>			2		1			
Common Whitethroat	<i>Curruca communis</i>						2		1
Eastern Subalpine Warbler	<i>Curruca cantillans albistriata</i>			2h	3	2h			
Sardinian Warbler	<i>Curruca melanocephala</i>			2h	3	h			
Goldcrest	<i>Regulus regulus</i>								1
Firecrest	<i>Regulus ignicapillus</i>		2					2h	
Eurasian Wren	<i>Troglodytes troglodytes</i>								3h
Eurasian Nuthatch	<i>Sitta europaea</i>		10					h	
Short-toed Treecreeper	<i>Certhia brachydactyla</i>								3
Common Starling	<i>Sturnus vulgaris</i>		3	1	1	10			✓
Common Blackbird	<i>Turdus merula</i>		5	3	3	3	5	2	2
Song Thrush	<i>Turdus philomelos</i>		3	1					2h
Mistle Thrush	<i>Turdus viscivorus</i>		1				1	3	2
Spotted Flycatcher	<i>Muscicapa striata</i>						1		
European Robin	<i>Erithacus rubecula</i>		3					2h	h
Common Nightingale	<i>Luscinia megarhynchos</i>	h		3h	2h	3h	2h		
Collared Flycatcher	<i>Ficedula albicollis</i>		h						
Black Redstart	<i>Phoenicurus ochruros</i>		3	1			1	3	5
Whinchat	<i>Saxicola rubetra</i>								5
European Stonechat	<i>Saxicola rubicola</i>			h					
Blue Rock Thrush	<i>Monticola solitarius</i>				2				
Eastern Black-eared Wheatear	<i>Oenanthe melanoleuca</i>			1	h				
(Black-bellied) Dipper	<i>Cinclus cinclus cinclus</i>								2
House Sparrow	<i>Passer domesticus</i>		✓	✓	✓	✓	✓✓	✓	✓
Spanish Sparrow	<i>Passer hispaniolensis</i>				5				
Eurasian Tree Sparrow	<i>Passer montanus</i>		2	1					✓
Dunnock	<i>Prunella modularis</i>							2	
(Ashy-headed) Yellow Wagtail	<i>Motacilla flava cinereocapilla</i>								2
Grey Wagtail	<i>Motacilla cinerea</i>		2						h
White Wagtail	<i>Motacilla alba alba</i>	1	2		1	1	5	1	1
Tawny Pipit	<i>Anthus campestris</i>				1	h	1		
Tree Pipit	<i>Anthus trivialis</i>							3	
Common Chaffinch	<i>Fringilla coelebs</i>		5		2		2	3h	h
Hawfinch	<i>Coccothraustes coccothraustes</i>		3	4			h	1	
European Greenfinch	<i>Chloris chloris</i>		3	2	2		1	h	h
Common Linnet	<i>Linaria cannabina</i>			h	5	1			

Common name	Scientific name	June 2022							
		6	7	8	9	10	11	12	13
European Goldfinch	<i>Carduelis carduelis</i>		6		h	1	1		
European Serin	<i>Serinus serinus</i>		3		2	2			h
Corn Bunting	<i>Emberiza calandra</i>		h	h	1			h	2h
Ortolan Bunting	<i>Emberiza hortulana</i>						3		
Cirl Bunting	<i>Emberiza cirlus</i>			2h	2	2	2		
Black-headed Bunting	<i>Emberiza melanocephala</i>			3	4				

Others

		June 2022							
Common name	Scientific name	6	7	8	9	10	11	12	13
Mammals									
European Mole	Talpa europaea							s	
Common Serotine	Eptesicus cfr. serotinus		b						
Common Noctule	Nyctalus cfr. noctula				b				
Common Pipistrelle	Pipistrellus cfr. pipistrellus				b				
Red Fox	Vulpes vulpes						1		
Roe Deer	Capreolus capreolus	2		1					
Alpine Chamois	Rupicapra rupicapra							1	
European Hare	Lepus europaeus						1		
Amphibians									
Alpine Newt	Ichthyosaura alpestris						3		
Common Toad	Bufo bufo		1			d			
A water frog	Pelophylax sp.		✓		✓				
Reptiles									
European Pond Turtle	Emys orbicularis					1			
Turkish Gecko	Hemidactylus turcicus					3			
Dalmatian Algyroides	Algyroides nigropunctatus				2				
Eastern Green Lizard	Lacerta viridis			1			1		
Balkan Green Lizard	Lacerta trilineata			1					
Horvath's Rock Lizard	Iberolacerta horvathi		2						
Dalmatian Wall Lizard	Podarcis melisellensis			2			4		
Italian Wall Lizard	Podarcis siculus					3			
Common Wall Lizard	Podarcis muralis						2		1
European Glass Lizard	Ophisaurus apodus			d		d			
Balkan Whip Snake	Hierophis gemonensis					1			
Dice Snake	Natrix tessellata		2		3				
Fishes									
Northern Pike	Esox lucius		2						
Common Chub	Leuciscus cephalus		✓✓						
Common Rudd	Scardinius erythrophthalmus		✓✓						
Eurasian Minnow	Phoxinus phoxinus		✓✓						
A mullet	Mugilidae sp.				✓				
Odonata									
Beautiful Demoiselle	Calopteryx virgo		✓✓		✓✓				1
Banded Demoiselle	Calopteryx splendens		✓		✓		1		

Common name	Scientific name	June 2022							
		6	7	8	9	10	11	12	13
Common Bluet	<i>Enallagma cyathigerum</i>		✓✓						
Azure Damselfly	<i>Coenagrion puella</i>				2				
White-legged Damselfly	<i>Platycnemis pennipes</i>		✓		2				
Green-eyed Hawker	<i>Aeshna isosceles</i>		10						
Blue Emperor	<i>Anax imperator</i>					1			
Common Clubtail	<i>Gomphus vulgatissimus</i>		5		1				
Small Pincertail	<i>Onychogomphus forcipatus</i>								
Sombre Goldenring	<i>Cordulegaster bidentata</i>		1						1
Downy Emerald	<i>Cordulia aenea</i>		?						2
Balkan Emerald	<i>Somatochlora meridionalis</i>				3				
Broad-bodied Chaser	<i>Libellula depressa</i>					1			
Scarce Chaser	<i>Libellula fulva</i>		5				1		
Southern Skimmer	<i>Orthetrum brunneum</i>					1			
Black-tailed Skimmer	<i>Orthetrum cancellatum</i>		1			1			1
Southern Darter	<i>Sympetrum meridionale</i>					5			
Common Darter	<i>Sympetrum cfr. striolatum</i>						1		
Broad Scarlet	<i>Crocothemis erythraea</i>					1			
Other insects									
Lily Bush-Cricket	<i>Tylopsis lilifolia</i>				1				
Great Green Bush-Cricket	<i>Tettigonia viridissima</i>				1	✓		1	
Illyrian Walking Bush-Cricket	<i>Psorodonotus illyricus</i>							1	
Wart-Biter	<i>Decticus verrucivorus</i>						1		
Dalmatian Dark Bush-Cricket	<i>Pholidoptera cfr. dalmatica</i>						1		
Schmidt's Marbled Bush-cricket	<i>Eupholidoptera schmidtii</i>				✓	✓	1		
Dalmatian Saddle Bush-Cricket	<i>Ephippiger discoidalis</i>					10			
Desert Cricket	<i>Melanogryllus desertus</i>				1				
Dalmatian Stone Grasshopper	<i>Prionotropis hystrix</i>			1?			1		
Egyptian Grasshopper	<i>Anacridium aegyptium</i>			2	1				1
Common Mountain Grasshopper	<i>Podisma pedestris</i>							1	
Italian Locust	<i>Calliptamus italicus</i>			2					
Woodland Grasshopper	<i>Omocestus rufipes</i>				1				
Maritime Grasshopper	<i>Chorthippus maritimus</i>						1		
Fasciated Conehead Mantis	<i>Empusa fasciata</i>				1				
Praying Mantis	<i>Mantis religiosa</i>				1				
River Skater	<i>Aquarius najas</i>				✓				
Lake Pondskeer	<i>Aquarius paludum</i>		✓						
A pondskeer	<i>Gerris sp.</i>						✓		
Sloe Bug	<i>Dolycoris baccarum</i>							1	
Italian striped bug	<i>Graphosoma italicum</i>		✓						
European Firebug	<i>Pyrrhocoris apterus</i>							1	
A seedbug	<i>Spilostethus saxatilis</i>		1					1	
An assassin bug	<i>Rhynocoris cfr. rubricus</i>			3	1	1			
A frogopper	<i>Cercopis cfr. sanguinolenta</i>		1						
An antlion	<i>Deleproctophylla australis</i>			1					

Common name	Scientific name	June 2022							
		6	7	8	9	10	11	12	13
An owlfly	<i>Libelloides macaronius</i>				1	1	10	2	
An owlfly	<i>Libelloides lacteus</i>						1		
A bee fly	<i>Bombylius medius</i>							1	
A bee fly	<i>Systoechus</i> sp.						1		
A bee fly	<i>Thyridanthrax</i> sp.			1					
Marmalade Hover Fly	<i>Episyrphus balteatus</i>		1		1				
A hover fly	<i>Eupeodes</i> sp.						2	1	
A hover fly	<i>Scaeva</i> sp.			1			1		
Hornet Mimic Hover Fly	<i>Volucella zonaria</i>					1			
A robber fly	Asilidae sp.			1		1	1		
A ground beetle	<i>Carabus coriaceus</i>	1							
A false blister beetle	<i>Oedemera femoralis</i>				1				
Orchid Beetle	<i>Dascillus cervinus</i>						1		
Woodland Dor Beetle	<i>Anoplotrupes stercorosus</i>							1	
Springtime Dung Beetle	<i>Trypocopris</i> cfr. <i>vernalis</i>						1		
A bee beetle	<i>Trichius</i> cfr. <i>sexualis</i>							1	
Rose Chafer	<i>Cetonia aurata</i>		✓	1	✓	✓	✓✓	✓	
A chafer	<i>Holochelus</i> sp.						1		
A chafer	<i>Hoplia</i> sp.		1						
White-spotted Rose Beetle	<i>Oxythyrea funesta</i>		1	1			1		
Apple Blossom Beetle	<i>Tropinota hirta</i>				1				
A buprestid beetle	<i>Anthaxia hungarica</i>				1				
A glow-worm	<i>Lampyrus</i> sp.				✓				
Little Arboreal Lady Beetle	<i>Calvia decemguttata</i>			1					
Harlequin Ladybeetle	<i>Harmonia axyridis</i>				1				
An oil beetle	<i>Lydus europaeus</i>					1			
An oil beetle	<i>Mylabris</i> cfr. <i>variabilis</i>				✓	✓✓	✓	✓	
Bee-eating Beetle	<i>Trichodes apiarius</i>		1						
A soldier beetle	<i>Armida signata</i>		1						
A sailor beetle	<i>Cantharis</i> cfr. <i>livida</i>		1						
Capricorn Beetle	<i>Cerambyx scopolii</i>				1		1		
A longhorn beetle	<i>Chlorophorus figuratus</i>				1				
A longhorn beetle	<i>Plagionotus floralis</i>				1				
Spotted Longhorn Beetle	<i>Rutpela maculata</i>		1						
Black-striped Longhorn Beetle	<i>Stenurella melanura</i>			1					
Small Black Longhorn Beetle	<i>Stenurella nigra</i>				1				
A leaf beetle	<i>Coptocephala</i> cfr. <i>rubiconda</i>				1				
A leaf beetle	<i>Chrysochus asclepiadeus</i>		1						
A leaf beetle	<i>Cryptocephalus trimaculatus</i>						1		
A weevil beetle	<i>Larinus</i> sp.				2				
A weevil beetle	<i>Otiorhynchus cardiniger</i>					1			
A scorpionfly	<i>Panorpa</i> sp.		1	1				1	
Wood Ant	<i>Formica</i> cfr. <i>rufa</i>		✓						
A smooth harvester ant	<i>Messor</i> sp.			✓✓	✓✓✓				
European Hornet	<i>Vespa crabro</i>					1			
Mammouth Wasp	<i>Megascolia maculata</i>				1	1			
A cutworm wasp	<i>Podalonia</i> sp.							1	

		June 2022							
Common name	Scientific name	6	7	8	9	10	11	12	13
A club-horned sawfly	<i>Pseudoclavellaria amerinae</i>				1				
Black Mud Bee	<i>Megachile parietina</i>			1					
Violet Carpenter Bee	<i>Xylocopa violacea</i>				1	1			1
Tree Bumble Bee	<i>Bombus hypnorum</i>		1						
Large Red-tailed Bumble Bee	<i>Bombus</i> cfr. <i>lapidarius</i>							1	
Arachnids									
An orbweaver	<i>Araneus grossus</i>			1					
Bordered Orbweaver	<i>Neoscona adianta</i>					1			
A crab spider	<i>Thomisus</i> cfr. <i>onustus</i>				1				
Goldenrod Crab Spider	<i>Misumena vatia</i>						1		
Fencepost Jumping Spider	<i>Marpissa muscosa</i>						1		
Red-bellied Jumping Spider	<i>Philaeus chrysops</i>						1	1	
A lynx spider	<i>Oxyopes heterophthalmus</i>				1				
Radiated Wolf Spider	<i>Hogna radiata</i>			1	1				
A stretch spiders	<i>Tetragnatha</i> sp.		2						
Spring Harvestman	<i>Rilaena triangularis</i>								1
Mollusca									
Leopard Slug	<i>Limax maximus</i>						1		
Vineyard Snail	<i>Caucasotachea vindobonensis</i>				1		1		
Brown-lipped Snail	<i>Cepaea nemoralis</i>		1						
Turkish Snail	<i>Helix lucorum</i>							1	
A snail	<i>Helix secernenda</i>					1			
Anellida									
Horse Leech	<i>Haemopsis sanguisuga</i>						✓		

Plants

	Common name	Scientific name	Location (first or best)
Plants			
	MOSESSES		
		Amblystegiaceae	
1	Curled Hook-moss	<i>Palustriella commutata</i>	Plitvice lakes
		Entodontaceae	
2	Lime Entodon Moss	<i>Entodon concinnus</i>	Krasno
		Myuriaceae	
3	Comb-Moss	<i>Ctenidium molluscum</i>	Plitvice lakes
		Neckeraceae	
4	Crisped Neckera	<i>Exsertotheca crispa</i>	Plitvice lakes
		Pottiaceae	
5	Side-fruited Crisp-moss	<i>Tortella squarrosa</i>	Mala Paklenica

	Common name	Scientific name	Location (first or best)
	FERNS		
		Aspleniaceae	
6	Rustyback	<i>Asplenium ceterach</i>	Plitvice lakes
7	Wall-rue	<i>Asplenium ruta-muraria</i>	Plitvice lakes
8	Maidenhair Spleenwort	<i>Asplenium trichomanes</i>	Plitvice lakes
9	Hart's Tonguefern	<i>Asplenium scolopendrium</i>	Plitvice lakes
		Dennstaedtiaceae	
10	Bracken	<i>Pteridium aquilinum</i>	Plitvice lakes
		Dryopteridaceae	
11	Hard Shield Fern	<i>Polystichum</i> cfr. <i>aculeatum</i>	Plitvice lakes
		Polypodiaceae	
12	Common Polypody	<i>Polypodium vulgare</i>	Gacka springs - Sinac
		Equisetaceae	
13	Field Horsetail	<i>Equisetum arvense</i>	Plitvice lakes
14	Marsh Horsetail	<i>Equisetum palustre</i>	Cret Ljubica - Baške Oštarije
	CONIFERS	Gymnosperms	
		Cupressaceae	
15	Common Juniper	<i>Juniperus communis</i>	Plitvice lakes
16	Eastern Prickly Juniper	<i>Juniperus deltoides</i>	Mala Paklenica
		Pinaceae	
17	Silver Fir	<i>Abies alba</i>	Plitvice lakes
18	Spruce	<i>Picea abies</i>	Plitvice lakes
19	Aleppo Pine	<i>Pinus halepensis</i>	Mala Paklenica
20	Mountain Dwarf Pine	<i>Pinus mugo</i>	Dom Zavizan - Northern Velebit National Park
21	Austrian Black Pine	<i>Pinus nigra</i>	Plitvice lakes
22	Scots Pine	<i>Pinus sylvestris</i>	Plitvice lakes
	DICOTYLEDON FLOWERING PLANTS		
		Adoxaceae	
23	Dwarf Elder	<i>Sambucus ebulus</i>	Kosinj
24	Elder	<i>Sambucus nigra</i>	Plitvice lakes
25	Wayfaring Tree	<i>Viburnum lantana</i>	Deringaj
		Amaranthaceae	
26	Sea-Purslane	<i>Atriplex portulacoides</i>	Posedarje
27	Herbaceous Seepweed	<i>Suaeda maritima</i>	Posedarje
		Anacardiaceae	
28	European Smoketree	<i>Cotinus coggygria</i>	Plitvice lakes
29	Mastic	<i>Pistacia lentiscus</i>	Zaton Obrovački
30	Turpentine Tree	<i>Pistacia terebinthus</i>	Mala Paklenica
		Apiaceae	
31	Cutleaf Water Parsnip	<i>Berula erecta</i>	Krupa (monastery)
32	A chervil	<i>Chaerophyllum</i> sp.	Plitvice lakes
33	Rock Samphire	<i>Crithmum maritimum</i>	Posedarje
34	Field Eryngo	<i>Eryngium campestre</i>	Bibinje - Zadar
35	A water-dropwort	<i>Oenanthe</i> sp.	Krupa (monastery)
36	Large-flowered Orlaya	<i>Orlaya grandiflora</i>	Krupa (monastery)
37	Perfoliate Alexanders	<i>Smyrnum perfoliatum</i>	Homoljac
38	A umbellifer	<i>Bupleurum veronense</i>	Mala Paklenica
		Apocynaceae	

	Common name	Scientific name	Location (first or best)
39	Lesser Periwinkle	<i>Vinca minor</i>	Plitvice lakes
40	Swallow-wort	<i>Vincetoxicum hirundinaria</i>	Plitvice lakes
		Araliaceae	
41	Common Ivy	<i>Hedera helix</i>	Plitvice lakes
		Aristolochiaceae	
42	Smearwort	<i>Aristolochia rotunda</i>	Krupa (monastery)
		Asteraceae	
43	Silvery Yarrow	<i>Achillea clavennae</i>	Dom Zavizan - Northern Velebit National Park
44	Yarrow	<i>Achillea</i> cfr. <i>millefolium</i>	Oštarijska vrata
45	Catsfoot	<i>Antennaria dioica</i>	Dom Zavizan - Northern Velebit National Park
46	Daisy	<i>Bellis perennis</i>	Plitvice lakes
47	Ox-eye	<i>Bupthalmum salicifolium</i>	Plitvice lakes
48	Broad-winged Thistle	<i>Carduus</i> cfr. <i>acanthoides</i>	Oštarijska vrata
49	A thistle	<i>Carduus</i> cfr. <i>collinus</i>	Vaganac
50	Italian Thistle	<i>Carduus</i> cfr. <i>pycnocephalus</i>	Krupa (monastery)
51	Downy Safflower	<i>Carthamus lanatus</i>	Starigrad
52	Greater Knapweed	<i>Centaurea</i> cfr. <i>scabiosa</i>	Plitvice lakes
53	Brown Knapweed	<i>Centaurea jacea</i>	Plitvice lakes
54	Rock Knapweed	<i>Centaurea</i> cfr. <i>rupestris</i>	Vaganac
55	Squarrose Knapweed	<i>Centaurea triumfettii</i>	Oštarijska vrata
56	Chicory	<i>Cichorium intybus</i>	Starigrad
57	A thistle	<i>Cirsium alsophilum</i>	Smerovišće
58	Yellow Melancholy Thistle	<i>Cirsium erisithales</i>	Plitvice lakes
59	Annual Fleabane	<i>Erigeron annuus</i>	Plitvice lakes
60	An eryngo	<i>Eryngium</i> sp.	Studenci
61	Broadleaf Cottonrose	<i>Filago</i> cfr. <i>pyramidata</i>	Krupa (monastery)
62	Curry Plant	<i>Helichrysum italicum</i>	Mala Paklenica
63	Bristly Oxtongue	<i>Helminthotheca echioides</i>	Bibinje - Zadar
64	Wall Hawkweed	<i>Hieracium</i> cfr. <i>murorum</i>	Plitvice lakes
65	Ox-eye Daisy	<i>Leucanthemum</i> cfr. <i>vulgare</i>	Plitvice lakes
66	Wall Lettuce	<i>Mycelis muralis</i>	Plitvice lakes
67	Spiny Fleabane	<i>Pallenis spinosa</i>	Mala Paklenica
68	A samphire	<i>Pentanema</i> cfr. <i>hirtum</i>	Oštarijska vrata
69	Snow Samphire	<i>Pentanema verbascifolium</i>	Muškovci
70	Common Butterbur	<i>Petasites</i> cfr. <i>hybridus</i>	Plitvice lakes
71	Yellow-spine Thistle	<i>Picnomon acarna</i>	Krupa (monastery)
72	Mouse-eared Hawkweed	<i>Pilosella</i> cfr. <i>officinarum</i>	Deringaj
73	Purple Viper's Grass	<i>Scorzonera purpurea</i>	Dom Zavizan - Northern Velebit National Park
74	Common Sow-thistle	<i>Sonchus</i> cfr. <i>oleraceus</i>	Plitvice lakes
75	A salsify	<i>Tragopogon</i> sp.	Starigrad
		Betulaceae	
76	Black Alder	<i>Alnus glutinosa</i>	Plitvice lakes
77	Silver Birch	<i>Betula pendula</i>	Plitvice lakes
78	European Hornbeam	<i>Carpinus betulus</i>	Plitvice lakes
79	Eastern Hornbeam	<i>Carpinus orientalis</i>	Muškovci
80	Common Hazel	<i>Corylus avellana</i>	Plitvice lakes
81	European Hop-hornbeam	<i>Ostrya carpinifolia</i>	Mala Paklenica
		Brassicaceae	
82	Garlic Mustard	<i>Alliaria petiolata</i>	Plitvice lakes
83	A cress	<i>Arabis</i> sp.	Plitvice lakes

	Common name	Scientific name	Location (first or best)
84	Bitter Wintercress	<i>Barbarea</i> cfr. <i>vulgaris</i>	Plitvice lakes
85	Coralroot	<i>Cardamine bulbifera</i>	Plitvice lakes
86	Perennial Honesty	<i>Lunaria rediviva</i>	Plitvice lakes
87	Hedge Mustard	<i>Sisymbrium officinale</i>	Plitvice lakes
		Boraginaceae	
88	Italian Bugloss	<i>Anchusa italica</i>	Bibinje - Zadar
89	Smooth Honeywort	<i>Cerinthe</i> cfr. <i>glabra</i>	Turinski Krč - Oltari
90	Hound's-tongue	<i>Cynoglossum</i> cfr. <i>officinale</i>	Dom Zavizan - Northern Velebit National Park
91	Pale Bugloss	<i>Echium italicum</i>	Starigrad
92	Viper's-Bugloss	<i>Echium vulgare</i>	Homoljac
93	Water Forget-me-not	<i>Myosotis scorpioides</i>	Krupa (monastery)
94	Field Forget-me-not	<i>Myosotis</i> cfr. <i>arvensis</i>	Plitvice lakes
95	A golden-drop	<i>Onosma</i> sp.	Mala Paklenica
96	Common Comfrey	<i>Symphytum officinale</i>	Smerovišće
		Cactaceae	
97	A prickly pear	<i>Opuntia</i> cfr. <i>figus-indica</i>	Seline
		Campanulaceae	
98	Clustered Bellflower	<i>Campanula glomerata</i>	Oštarijska vrata
99	Paper Bellflower	<i>Campanula persicifolia</i>	Plitvice lakes
100	Rampion	<i>Campanula rapunculus</i>	Homoljac
101	A rockbell	<i>Edraianthus tenuifolius</i>	Oštarijska vrata
102	Round-headed Rampion	<i>Phyteuma orbiculare</i>	Dom Zavizan - Northern Velebit National Park
103	Spiked Rampion	<i>Phyteuma spicatum</i>	Baške Oštarije
		Cannabaceae	
104	Nettle Tree	<i>Celtis australis</i>	Krupa (monastery)
		Caprifoliaceae	
105	A scabious	<i>Knautia</i> cfr. <i>drymeia</i>	Plitvice lakes
106	A scabious	<i>Lomelosia</i> cfr. <i>brachiata</i>	Vlačine
107	Etruscan Honeysuckle	<i>Lonicera</i> cfr. <i>etrusca</i>	Deringaj
108	Mountain Valerian	<i>Valeriana montana</i>	Dom Zavizan - Northern Velebit National Park
109	Three-leaved Valerian	<i>Valeriana tripteris</i>	Dom Zavizan - Northern Velebit National Park
		Caryophyllaceae	
110	Snow-in-summer	<i>Cerastium</i> cfr. <i>grandiflorum</i>	Dom Zavizan - Northern Velebit National Park
111	Deptford Pink	<i>Dianthus</i> cfr. <i>armeria</i>	Krasno
112	Carthusian Pink	<i>Dianthus</i> cfr. <i>carthusianorum</i>	Homoljac
113	A pink	<i>Dianthus</i> cfr. <i>balbisii liburnicus</i>	Vaganac
114	A pink	<i>Dianthus</i> cfr. <i>petraeus</i>	Plitvice lakes
115	A pink	<i>Dianthus</i> cfr. <i>velebiticus</i>	Krasno
116	Drypis	<i>Drypis spinosa</i>	Vaganac
117	Mossy Sandwort	<i>Moehringia muscosa</i>	Plitvice lakes
118	Tunicflower	<i>Petrorhagia saxifraga</i>	Plitvice lakes
119	Spring Sandwort	<i>Sabulina</i> cfr. <i>verna</i>	Dom Zavizan - Northern Velebit National Park
120	Ragged-Robin	<i>Silene flos-cuculi</i>	Cret Ljubica - Baške Oštarije
121	White Campion	<i>Silene latifolia</i>	Homoljac
122	Nottingham Catchfly	<i>Silene nutans</i>	Plitvice lakes
123	Tufted Catchfly	<i>Silene</i> cfr. <i>saxifraga</i>	Vaganac
124	Bladder Campion	<i>Silene vulgaris</i>	Plitvice lakes
125	Lesser Stitchwort	<i>Stellaria</i> cfr. <i>graminea</i>	Plitvice lakes

	Common name	Scientific name	Location (first or best)
		Celastraceae	
126	Warty-barked Spindle	<i>Euonymus verrucosus</i>	Plitvice lakes
		Cistaceae	
127	Hoary Rock-rose	<i>Cistus creticus</i>	Bibinje - Zadar
128	Montpelier Cistus	<i>Cistus monspeliensis</i>	Bibinje - Zadar
129	Heath-rose	<i>Fumana</i> cfr. <i>procumbens</i>	Deringaj
130	Common Rock-rose	<i>Helianthemum nummularium</i>	Plitvice lakes
		Convolvulaceae	
131	Hedge Bindweed	<i>Calystegia sepium</i>	Posedarje
132	Large Bindweed	<i>Calystegia silvatica</i>	Plitvice lakes
133	Field Bindweed	<i>Convolvulus arvensis</i>	Plitvice lakes
134	Cantabrian Bindweed	<i>Convolvulus cantabrica</i>	Zaton Obrovački
		Cornaceae	
135	Common Dogwood	<i>Cornus sanguinea</i>	Plitvice lakes
		Crassulaceae	
136	European Stonecrop	<i>Petrosedum ochroleucum</i>	Muškovci
137	Reflexed Stonecrop	<i>Petrosedum</i> cfr. <i>rupestre</i>	Starigrad
138	Biting Stonecrop	<i>Sedum acre</i>	Plitvice lakes
139	Tasteless Stonecrop	<i>Sedum sexangulare</i>	Muškovci
		Ericaceae	
140	Spring Heath	<i>Erica carnea</i>	Plitvice lakes
		Euphorbiaceae	
141	A spurge	<i>Euphorbia</i> sp.	Dom Zavizan - Northern Velebit National Park
142	Wood Spurge	<i>Euphorbia amygdaloides</i>	Plitvice lakes
143	Mediterranean Spurge	<i>Euphorbia characias</i>	Mala Paklenica
144	A spurge	<i>Euphorbia fragifera</i>	Vaganac
145	Myrtle Spurge	<i>Euphorbia myrsinites</i>	Mala Paklenica
146	Dog's Mercury	<i>Mercurialis perennis</i>	Dom Zavizan - Northern Velebit National Park
		Fabaceae	
147	Mountain Kidney-Vetch	<i>Anthyllis</i> cfr. <i>montana</i>	Oštarijska vrata
148	Kidney-vetch	<i>Anthyllis vulneraria</i>	Plitvice lakes
149	Arabian Pea	<i>Bituminaria bituminosa</i>	Bibinje - Zadar
150	Big-flowered Broom	<i>Chamaecytisus hirsutus</i>	Smerovišće
151	A broom	<i>Genista</i> cfr. <i>sericea</i>	Oštarijska vrata
152	Horseshoe Vetch	<i>Hippocrepis</i> cfr. <i>comosa</i>	Plitvice lakes
153	Broad-leaved Sweet Pea	<i>Lathyrus latifolius</i>	Starigrad
154	Black Pea	<i>Lathyrus niger</i>	Baške Oštarije
155	Meadow Pea	<i>Lathyrus pratensis</i>	Turinski Krč - Oltari
156	Bird's-foot Trefoil	<i>Lotus</i> cfr. <i>corniculatus</i>	Krasno
157	Badassi	<i>Lotus dorycnium</i>	Zaton Obrovački
158	Sickle Alfalfa	<i>Medicago falcata</i>	Deringaj
159	Black Melilot	<i>Medicago lupulina</i>	Plitvice lakes
160	Button Medick	<i>Medicago</i> cfr. <i>orbicularis</i>	Starigrad
161	Alfalfa	<i>Medicago sativa</i>	Muškovci
162	White Sweetclover	<i>Melilotus albus</i>	Muškovci
163	Spiny Restharrow	<i>Ononis spinosa</i>	Bibinje - Zadar
164	Purple Crownvetch	<i>Securigera varia</i>	Plitvice lakes
165	Spanish Broom	<i>Spartium junceum</i>	Bibinje - Zadar
166	A clover	<i>Trifolium</i> sp.	Dom Zavizan - Northern Velebit National Park
167	Owl-headed Flower	<i>Trifolium alpestre</i>	Oštarijska vrata

	Common name	Scientific name	Location (first or best)
168	Narrow-leaved Clover	<i>Trifolium angustifolium</i>	Bibinje - Zadar
169	Hop Trefoil	<i>Trifolium campestre</i>	Plitvice lakes
170	Mountain Clover	<i>Trifolium montanum</i>	Homoljac
171	A clover	<i>Trifolium patens</i>	Bibinje - Zadar
172	Red Clover	<i>Trifolium pratense</i>	Plitvice lakes
173	White Clover	<i>Trifolium repens</i>	Plitvice lakes
174	Reversed Clover	<i>Trifolium</i> cfr. <i>resupinatum</i>	Bibinje - Zadar
175	A clover	<i>Trifolium rubens</i>	Mala Paklenica
176	Hairy Vetch	<i>Vicia</i> cfr. <i>villosa</i>	Bibinje - Zadar
177	Tufted Vetch	<i>Vicia cracca</i>	Plitvice lakes
178	Large Yellow Vetch	<i>Vicia grandiflora</i>	Kosinj
179	Fine-leaved Vetch	<i>Vicia</i> cfr. <i>tenuifolia</i>	Homoljac
		Fagaceae	
180	Beech	<i>Fagus sylvatica</i>	Plitvice lakes
181	Sessile Oak	<i>Quercus</i> cfr. <i>petraea</i>	Plitvice lakes
182	Downy Oak	<i>Quercus pubescens</i>	Golubic
		Gentianaceae	
183	Cross Gentian	<i>Gentiana cruciata</i>	Turinski Krč - Oltari
		Geraniaceae	
184	Long-stalked Crane's-bill	<i>Geranium columbinum</i>	Studenci
185	Rock Crane's-bill	<i>Geranium macrorrhizum</i>	Dom Zavizan - Northern Velebit National Park
186	Dusky Crane's-bill	<i>Geranium phaeum</i>	Smerovišće
187	Hedgerow Crane's-bill	<i>Geranium pyrenaicum</i>	Homoljac
188	Herb Robert	<i>Geranium robertianum</i>	Plitvice lakes
189	Bloody Crane's-bill	<i>Geranium sanguineum</i>	Homoljac
190	Wood Crane's-bill	<i>Geranium sylvaticum</i>	Dom Zavizan - Northern Velebit National Park
		Hydrangeaceae	
191	Sweet Mock Orange	<i>Philadelphus coronarius</i>	Smerovišće
		Hypericaceae	
192	Hairy St John's-Wort	<i>Hypericum</i> cfr. <i>hirsutum</i>	Plitvice lakes
193	Perforate St John's-wort	<i>Hypericum</i> cfr. <i>perforatum</i>	Mala Paklenica
		Lamiaceae	
194	Blue Bugle	<i>Ajuga genevensis</i>	Dom Zavizan - Northern Velebit National Park
195	Bugle	<i>Ajuga reptans</i>	Plitvice lakes
196	Rock Thyme	<i>Clinopodium alpinum</i>	Dom Zavizan - Northern Velebit National Park
197	Wild Basil	<i>Clinopodium vulgare</i>	Dom Zavizan - Northern Velebit National Park
198	Yellow Archangel	<i>Lamium galeobdolon</i>	Plitvice lakes
199	Spotted Deadnettle	<i>Lamium maculatum</i>	Plitvice lakes
200	Red Deadnettle	<i>Lamium purpureum</i>	Kosinj
201	European Water-horehound	<i>Lycopus europaeus</i>	Plitvice lakes
202	Silver Horehound	<i>Marrubium</i> cfr. <i>incanum</i>	Zaton Obrovački
203	Bastard Balm	<i>Melittis melissophyllum</i>	Plitvice lakes
204	Water Mint	<i>Mentha aquatica</i>	Krupa (monastery)
205	Cut-leaved Selfheal	<i>Prunella laciniata</i>	Plitvice lakes
206	Common Self-heal	<i>Prunella vulgaris</i>	Plitvice lakes
207	Common Sage	<i>Salvia officinalis</i>	Starigrad
208	Meadow Clary	<i>Salvia pratensis</i>	Plitvice lakes
209	Whorled Clary	<i>Salvia verticillata</i>	Plitvice lakes
210	Lamb's Ears	<i>Stachys cretica</i>	Golubic

	Common name	Scientific name	Location (first or best)
211	Perennial Yellow-woundwort	<i>Stachys recta</i>	Plitvice lakes
212	Hedge Woundwort	<i>Stachys sylvatica</i>	Plitvice lakes
213	Common Germander	<i>Teucrium chamaedrys</i>	Deringaj
214	Mountain Germander	<i>Teucrium montanum</i>	Deringaj
215	Felty Germander	<i>Teucrium polium</i>	Mala Paklenica
216	Mother of Thyme	<i>Thymus</i> cfr. <i>praecox</i>	Dom Zavizan - Northern Velebit National Park
217	Common Thyme	<i>Thymus</i> cfr. <i>pulegioides</i>	Plitvice lakes
		Linaceae	
218	A flax	<i>Linum</i> sp.	Deringaj
219	Narrow-leaved Flax	<i>Linum tenuifolium</i>	Deringaj
		Lythraceae	
220	Purple Loosestrife	<i>Lythrum salicaria</i>	Krupa (monastery)
		Malvaceae	
221	Musk Mallow	<i>Malva moschata</i>	Ogulin
222	Common Mallow	<i>Malva sylvestris</i>	Plitvice lakes
223	Bigleaf Linden	<i>Tilia platyphyllos</i>	Studenci
		Moraceae	
224	Paper Mulberry	<i>Broussonetia papyrifera</i>	Krupa (monastery)
225	Fig	<i>Ficus carica</i>	Mala Paklenica
226	White Mulberry	<i>Morus</i> cfr. <i>alba</i>	Krupa (monastery)
		Oleaceae	
227	Common Privet	<i>Ligustrum vulgare</i>	Plitvice lakes
228	European Ash	<i>Fraxinus excelsior</i>	Plitvice lakes
229	Manna Ash	<i>Fraxinus ornus</i>	Muškovci
230	Olive Tree	<i>Olea europaea</i>	Starigrad
231	Green Olive Tree	<i>Phillyrea latifolia</i>	Starigrad
		Onagraceae	
232	Great Willowherb	<i>Epilobium</i> cfr. <i>hirsutum</i>	Bibinje - Zadar
		Orobanchaceae	
233	Clove-scented Broomrape	<i>Orobanche caryophyllacea</i>	Homoljac
234	A broomrape	<i>Orobanche lutea</i>	Homoljac
235	Greater Yellow Rattle	<i>Rhinanthus</i> cfr. <i>aleutorolophus</i>	Krasno
236	Yellow Rattle	<i>Rhinanthus</i> cfr. <i>minor</i>	Bjelopolje fields
		Papaveraceae	
237	Greater Celandine	<i>Chelidonium majus</i>	Krasno
238	Common Poppy	<i>Papaver rhoeas</i>	Starigrad
		Plantaginaceae	
239	Yellow Foxglove	<i>Digitalis grandiflora</i>	Plitvice lakes
240	Heart-leaved Globe Daisy	<i>Globularia cordifolia</i>	Plitvice lakes
241	Hedge-hyssop	<i>Gratiola officinalis</i>	Vlačine
242	Common Toadflax	<i>Linaria vulgaris</i>	Oštarijska vrata
243	Buck's-horn Plantain	<i>Plantago coronopus</i>	Posedarje
244	Broadleaf Plantain	<i>Plantago major</i>	Plitvice lakes
245	Hoary Plantain	<i>Plantago</i> cfr. <i>media</i>	Krasno
246	Blue Water-speedwell	<i>Veronica anagallis-aquatica</i>	Bibinje - Zadar
247	Large Speedwell	<i>Veronica austriaca</i>	Homoljac
248	Germander Speedwell	<i>Veronica chamaedrys</i>	Homoljac
249	Nettle-leaved Speedwell	<i>Veronica urticifolia</i>	Plitvice lakes
		Plumbaginaceae	
250	A sea lavender	<i>Limonium narbonense</i>	Posedarje
		Polygalaceae	

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251	Mountain Milkwort	<i>Polygala cfr. alpestris</i>	Dom Zavizan - Northern Velebit National Park
252	Common Milkwort	<i>Polygala cfr. vulgaris</i>	Turinski Krč - Oltari
		Primulaceae	
253	European Cyclamen	<i>Cyclamen purpurascens</i>	Plitvice lakes
254	Creeping Jenny	<i>Lysimachia nummularia</i>	Smerovišće
255	Yellow Loosestrife	<i>Lysimachia vulgaris</i>	Krupa (monastery)
256	Cowslip	<i>Primula veris</i>	Turinski Krč - Oltari
257	Primrose	<i>Primula vulgaris</i>	Plitvice lakes
		Ranunculaceae	
258	Bulgarian Columbine	<i>Aquilegia cfr. nigricans</i>	Turinski Krč - Oltari
259	Alpine Clematis	<i>Clematis alpina</i>	Dom Zavizan - Northern Velebit National Park
260	Fragrant Virgin's-bower	<i>Clematis flammula</i>	Bibinje - Zadar
261	Erect Clematis	<i>Clematis recta</i>	Plitvice lakes
262	Old Man's Beard	<i>Clematis vitalba</i>	Mala Paklenica
263	Italian Clematis	<i>Clematis viticella</i>	Vlačine
264	An hellebore	<i>Helleborus multifidus</i>	Deringaj
265	Hepatica	<i>Hepatica nobilis</i>	Plitvice lakes
266	Love-in-a-mist	<i>Nigella damascena</i>	Starigrad
267	Meadow Buttercup	<i>Ranunculus cfr. acris</i>	Krasno
268	Large White Buttercup	<i>Ranunculus platanifolius</i>	Dom Zavizan - Northern Velebit National Park
269	French Meadow-Rue	<i>Thalictrum aquilegiifolium</i>	Dom Zavizan - Northern Velebit National Park
		Resedaceae	
270	Wild Mignonette	<i>Reseda lutea</i>	Homoljac
		Rhamnaceae	
271	Jerusalem Thorn	<i>Paliurus spina-christi</i>	Mala Paklenica
272	A buckthorn	<i>Rhamnus fallax</i>	Plitvice lakes
273	Alder Buckthorn	<i>Frangula cfr. alnus</i>	Plitvice lakes
274	A buckthorn	<i>Frangula rupestris</i>	Vaganac
		Rosaceae	
275	Agrimony	<i>Agrimonia eupatoria</i>	Krupa (monastery)
276	Snowy Mespilus	<i>Amelanchier ovalis</i>	Oštarijska vrata
277	Goatsbeard	<i>Aruncus dioicus</i>	Smerovišće
278	Woolly Cotoneaster	<i>Cotoneaster cfr. integerrimus</i>	Turinski Krč - Oltari
279	Hawthorn	<i>Crataegus monogyna</i>	Plitvice lakes
280	Dropwort	<i>Filipendula vulgaris</i>	Plitvice lakes
281	Wild Strawberry	<i>Fragaria vesca</i>	Plitvice lakes
282	Green Strawberry	<i>Fragaria viridis</i>	Kosinj
283	Blessed Herb	<i>Geum urbanum</i>	Plitvice lakes
284	Grey Cinquefoil	<i>Potentilla cinerea</i>	Studenci
285	Common Tormentil	<i>Potentilla erecta</i>	Dom Zavizan - Northern Velebit National Park
286	Sulphur Cinquefoil	<i>Potentilla cfr. recta</i>	Oštarijska vrata
287	Creeping Cinquefoil	<i>Potentilla reptans</i>	Bibinje - Zadar
288	Wild Cherry	<i>Prunus avium</i>	Plitvice lakes
289	St Lucie Cherry	<i>Prunus mahaleb</i>	Mala Paklenica
290	Blackthorn	<i>Prunus spinosa</i>	Krupa (monastery)
291	Almond-leaved Pear	<i>Pyrus spinosa</i>	Mala Paklenica
292	Field Rose	<i>Rosa cfr. arvensis</i>	Plitvice lakes
293	Dog Rose	<i>Rosa cfr. canina</i>	Deringaj

	Common name	Scientific name	Location (first or best)
294	Red-leaved Rose	<i>Rosa glauca</i>	Cret Ljubica - Baške Oštarije
295	Alpine Rose	<i>Rosa pendulina</i>	Turinski Krč - Oltari
296	Burnet Rose	<i>Rosa pimpinellifolia</i>	Starigrad
297	A bramble	<i>Rubus</i> cfr. <i>canescens</i>	Baške Oštarije
298	A bramble	<i>Rubus</i> cfr. <i>hirtus</i>	Plitvice lakes
299	Elmleaf Blackberry	<i>Rubus</i> cfr. <i>ulmifolius</i>	Mala Paklenica
300	Salad Burnet	<i>Sanguisorba minor</i>	Plitvice lakes
301	Common Whitebeam	<i>Sorbus aria</i>	Plitvice lakes
		Rubiaceae	
302	Crosswort	<i>Cruciata laevipes</i>	Kosinj
303	A bedstraw	<i>Galium</i> sp.	Plitvice lakes
304	Alpine Bedstraw	<i>Galium</i> cfr. <i>anisophyllum</i>	Dom Zavizan - Northern Velebit National Park
305	Common Marsh-bedstraw	<i>Galium</i> cfr. <i>palustre</i>	Cret Ljubica - Baške Oštarije
306	Wood Bedstraw	<i>Galium</i> cfr. <i>sylvaticum</i>	Smerovišće
307	Lady's Bedstraw	<i>Galium verum</i>	Deringaj
		Salicaceae	
308	Black Poplar	<i>Populus nigra</i>	Krupa (monastery)
309	Aspen	<i>Populus tremula</i>	Krasno
310	A willow	<i>Salix</i> sp.	Dom Zavizan - Northern Velebit National Park
311	White Willow	<i>Salix alba</i>	Krupa (monastery)
312	Grey Willow	<i>Salix cinerea</i>	Plitvice lakes
313	Purple Willow	<i>Salix</i> cfr. <i>purpurea</i>	Plitvice lakes
		Santalaceae	
314	Poet's Cassia	<i>Osyris alba</i>	Starigrad
315	European Mistletoe	<i>Viscum album</i>	Plitvice lakes
		Sapindaceae	
316	Field Maple	<i>Acer campestre</i>	Plitvice lakes
317	Montpellier Maple	<i>Acer monspessulanum</i>	Muškovci
318	Italian Maple	<i>Acer opalus</i>	Oštarijska vrata
319	Norway Maple	<i>Acer platanoides</i>	Plitvice lakes
320	Sycamore	<i>Acer pseudoplatanus</i>	Plitvice lakes
		Saxifragaceae	
321	Livelong Saxifrage	<i>Saxifraga paniculata</i>	Plitvice lakes
322	Round-leaved Saxifrage	<i>Saxifraga rotundifolia</i>	Plitvice lakes
		Scrophulariaceae	
323	White Mullein	<i>Verbascum</i> cfr. <i>lychnitis</i>	Homoljac
324	Hoary Mullein	<i>Verbascum</i> cfr. <i>pulverulentum</i>	Starigrad
		Simaroubaceae	
325	Tree of Heaven	<i>Ailanthus altissima</i>	Karlopag
		Smilacaceae	
326	Common Smilax	<i>Smilax aspera</i>	Mala Paklenica
		Solanaceae	
327	Bittersweet Nightshade	<i>Solanum dulcamara</i>	Plitvice lakes
328	Black Nightshade	<i>Solanum nigrum</i>	Starigrad
		Staphyleaceae	
329	European Bladdernut	<i>Staphylea pinnata</i>	Smerovišće
		Tamaricaceae	
330	A tamarisk	<i>Tamarix</i> sp.	Posedarje
		Urticaceae	
331	Pellitory-of-the-wall	<i>Parietaria judaica</i>	Krupa (monastery)

	Common name	Scientific name	Location (first or best)
332	Erect Pellitory-of-the-wall	<i>Parietaria officinalis</i>	Plitvice lakes
333	Common Nettle	<i>Urtica dioica</i>	Plitvice lakes
		Violaceae	
334	European Field Pansy	<i>Viola</i> cfr. <i>arvensis</i>	Plitvice lakes
335	Heath Dog-violet	<i>Viola</i> cfr. <i>canina</i>	Dom Zavizan - Northern Velebit National Park
336	Wild Pansy	<i>Viola tricolor</i>	Dom Zavizan - Northern Velebit National Park
		Vitaceae	
337	Wine Grape	<i>Vitis vinifera</i>	Mala Paklenica
	MONOCOTYLEDON FLOWERING PLANTS		
		Alismataceae	
338	Lance-leaved Water-Plantain	<i>Alisma lanceolatum</i>	Krupa (monastery)
339	European Water-plantain	<i>Alisma plantago-aquatica</i>	Krupa (monastery)
		Amaryllidaceae	
340	Wild Leek	<i>Allium</i> cfr. <i>ampeloprasum</i>	Mala Paklenica
341	Sand Leek	<i>Allium scorodoprasum</i>	Plitvice lakes
342	Round-headed Leek	<i>Allium sphaerocephalon</i>	Muškovci
		Araceae	
343	Italian Arum	<i>Arum</i> cfr. <i>italicum</i>	Bibinje - Zadar
		Asparagaceae	
344	Spiny Asparagus	<i>Asparagus acutifolius</i>	Starigrad
345	A Bath asparagus	<i>Ornithogalum</i> cfr. <i>sphaerocarpum</i>	Homoljak
346	A star-of-Bethlehem	<i>Ornithogalum</i> sp.	Homoljak
		Asphodelaceae	
347	Jacob's Rod	<i>Asphodeline liburnica</i>	Vaganac
348	White Asphodel	<i>Asphodelus albus</i>	Krasno
		Cyperaceae	
349	Blue Sedge	<i>Carex</i> cfr. <i>flacca</i>	Smerovišće
350	Yellow-green Sedge	<i>Carex</i> cfr. <i>flava</i>	Plitvice lakes
351	Swamp Sawgrass	<i>Cladium mariscus</i>	Plitvice lakes
352	A cottongrass	<i>Eriophorum</i> cfr. <i>latifolium</i>	Cret Ljubica - Baške Oštarije
353	Round-headed Clubrush	<i>Scirpoides holoschoenus</i>	Bibinje - Zadar
		Iridaceae	
354	Sweet Iris	<i>Iris pallida illyrica</i>	Zaton Obrovački
355	Siberian Iris	<i>Iris sibirica</i>	Mutilić
356	Hungarian Iris	<i>Iris variegata</i>	Homoljak
		Juncaceae	
357	Spiny Rush	<i>Juncus acutus</i>	Posedarje
		Liliaceae	
358	Orange Lily	<i>Lilium bulbiferum</i>	Krasno
359	Carniolan Lily	<i>Lilium carniolicum bosniacum</i>	Dom Zavizan - Northern Velebit National Park
360	Martagon Lily	<i>Lilium martagon</i>	Smerovišće
		Melanthiaceae	
361	A hellebore	<i>Veratrum album</i>	Oštarijska vrata
		Nymphaeaceae	
362	Yellow Water-lily	<i>Nuphar lutea</i>	Gospić
		Orchidaceae	
363	Green-winged Orchid	<i>Anacamptis morio</i>	Homoljak
364	Pyramidal Orchid	<i>Anacamptis pyramidalis</i>	Homoljak

	Common name	Scientific name	Location (first or best)
365	White Helleborine	<i>Cephalanthera damasonium</i>	Baške Oštarije
366	Red Helleborine	<i>Cephalanthera rubra</i>	Baške Oštarije
367	Early Marsh Orchid	<i>Dactylorhiza incarnata</i>	Cret Ljubica - Baške Oštarije
368	Frog Orchid	<i>Dactylorhiza viridis</i>	Baške Oštarije
369	A helleborine orchid	<i>Epipactis</i> sp.	Plitvice lakes
370	Fragrant Orchid	<i>Gymnadenia conopsea</i>	Baške Oštarije
371	Birdsnest Orchid	<i>Neottia nidus-avis</i>	Plitvice lakes
372	Common Bee orchid	<i>Ophrys apifera</i>	Plitvice lakes
373	Late Spider Orchid	<i>Ophrys fuciflora</i>	Smerovišće
374	Military Orchid	<i>Orchis militaris</i>	Homoljak
375	Round-headed Orchid	<i>Traunsteinera globosa</i>	Krasno
		Poaceae	
376	Three-awned Goat Grass	<i>Aegilops neglecta</i>	Starigrad
377	Common Quaking Grass	<i>Briza media</i>	Homoljak
378	Upright Brome	<i>Bromus</i> cfr. <i>erectus</i>	Homoljak
379	Orchard Grass	<i>Dactylis glomerata</i>	Plitvice lakes
380	Common Reed	<i>Phragmites australis</i>	Plitvice lakes
381	A needle Grass	<i>Stipa pennata</i>	Deringaj



Dalmatian Saddle Bush Cricket