

Croatia & Slovenia – Spring in Istria

Naturetrek Tour Report

4 - 11 May 2016



Great Peacock Moth



Shrubby Violet (*Viola elatior*)



Military Orchid



Goldendrop with bee

Report and images by Paul Tout & Rob Mileto



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Participants: Paul Tout and Rob Mileto (leaders) with 16 Naturetrek clients

Day 1

Wednesday 4th May

Stansted to Trieste, transfer to Istarske Toplice

Sixteen tour participants met with Rob M at the departures gate at Stansted Airport for the early afternoon Ryanair Flight FR168 to Trieste in NE Italy. Upon our arrival, just after 5pm, we passed through passport control and collected our luggage, before making our way to the arrivals hall, where we met up with Paul T, our local tour leader. With the luggage loaded into our minibuses, we set off travelling towards Istria, passing through the attractive historic centre of Trieste before joining the motorway beyond the city towards Koper in Slovenia. Crossing the border without stopping (both Italy and Slovenia are within the Schengen Area), we headed south towards the Sočerga border crossing, passing the spectacular limestone cliffs of the Osp valley. Before long we reached the border crossing, showed our passports and were into Croatia. From here the hotel was just a brief 20-minute drive along a small valley carrying one of the feeder streams of the Mirna river, overlooked by the ruins of the Pietra Pelosa castle. Arriving at the hotel, it was already getting dark and the Nightingales and Scops Owls were already in fine voice. After a short stop to drop off our luggage, we headed to our restaurant, the Konoba Dolina, about a kilometre away, where the leaders outlined the programme for the next few days.

Day 2

Thursday 5th May

Around the hotel grounds, the quarry and Mlaka.

A largely sunny day with one brief shower in the late afternoon. After breakfast at 8am, we met up outside the hotel at 9am, before embarking on our first full day. Our objective was to explore the areas around the hotel which are rich in flora and fauna and reachable on foot. While we waited for the group to assemble, there was plenty to watch, including the Alpine Swifts that nest in the quarry above the hotel and a pair of very active Short-toed Treecreepers that nest each year in the old poplars on the lawn. One thing to check out was the ‘state-of-play’ with the Adriatic Lizard Orchids (*Himantoglossum adriaticum*) on the hotel’s mini-golf course. There were close to 200 spikes and, although a dozen or had been cut to clear the holes, there would still be plenty to see fully open by the end of the week.

Walking towards the start of the climb up towards the quarry there were Cirl Buntings to look at and Wrynecks were making plenty of noise, though not yet visible. It was good to see that local pair of Red-backed Shrikes had already arrived. They are well-used to people and allow a close approach and are a lovely ‘regular’, right outside the front door of the hotel. The stroll up to the quarry was relatively uneventful. There were plenty of plants to look at and butterflies too, including Dingy and Grizzled Skippers, Scarce Swallowtails, Glanville Fritillaries, the earliest of the local *Melitaea* species and Brown Argus. The Alpine Swifts had already left the colony to feed but, when we reached the quarry, the local Ravens and Blue Rock Thrushes were easy to see. The large numbers of Early Spider Orchids (*Ophrys sphegodes*) had finished flowering and the seed heads had begun to develop.

Dropping back down for lunch, we first walked to the base of the large limestone crag that overlooks the hotel. Here is one of just four sites for an endemic plant, Tommasini’s Sandwort (*Moebria tommasini*), a so-called chasmophyte named after a botanist and former mayor of Trieste, the roots of which extend deep into the

fissures in the rocks. Here, as at its other sites, it had probably survived the last Ice Age in a *refugium* or small, favourable microclimate at the base of the south-facing rocks. It is now threatened by ivy growing up the rockface. We then had a picnic on some tables close to the hotel where the mass of stoncrop growing in the gravel attracted a Chequered Blue, a rather rare butterfly in Europe and one we would see better after lunch. Golden Orioles were very vocal behind the hotel.

After lunch we headed around the back of the grounds, pinning down a pair of Wrynecks close to the large dead oak that seems to be the centre of their territory. There were also the usual uncooperative Hawfinches and Golden Orioles, both common species in the riverine oak forest but neither of which are easy to see. We then headed across the main road to a damp valley cutting through the forest, called 'Mlaka'. By this stage the temperature was heading into the mid-20s with high humidity; challenging conditions for birding but good for butterflies, and thus it proved. The local pair of Grey-headed Woodpeckers were uncooperative, giving fleeting views, but the butterflies were more productive and there were lots to see, including many Wood Whites, Orange Tips and Brimstones (including a freshly-laid egg on Alder Buckthorn (*Frangula alnus*), a common bush along the stream. There were other butterflies too, including an excellent view of Chequered Blue, Sooty Copper, Southern Festoon and both Scarce and Common Swallowtails dashing up and down the path, together with a Broad-bodied Chaser dragonfly or two. In the puddles there were a few Yellow-bellied Toads. All of them appeared to be juveniles and decidedly less cooperative than the adults usually are. One oddity was the quick-fire "whoop-whoop-whoop" of a calling Little Bittern – exactly like a speeded up Great Bittern. This species will use very small wetlands indeed if they are rich in frogs but to hear one coming from what was basically damp scrubland and far from the nearest pond was a real surprise.

By now it was very sticky and time to head back to the hotel for a well-earned shower before heading off for another meal of superb Istrian cuisine in our restaurant with Edi and Mirjana.

Day 3

Friday 6th May

Abitanti, Butari, Hrastovlje, Škocjanski Zatok and the Mirna Valley

Warm and sunny with some afternoon cloud. An early morning walk was necessary to get up to the quarry at a time before the Alpine Swifts moved off for the day and Paul took a group out at 6am, getting to the quarry entrance just as the sun was beginning to shine into the cave entrance. Soon the birds were dashing in and out of the cave at top speed, the rush of air over their wings clearly audible as they passed low over our heads. There was the usual side-show of Ravens, Blue Rock Thrushes, Cirl Buntings, Nightingales and Red-backed Shrikes and, strangely, a pair of Great Cormorants moving eastwards quite high, as if on migration.

Having had a local walk yesterday, we headed further afield today into the heartland of northern Istria, crossing at a border crossing into Slovenia that until this year was only for locals. En route, we were stopped by the police for a spot-check (everything in order) and treated, shortly afterwards, to an excellent view of a pair of Hoopoes perched beside the van. The first stop was immediately over the border to examine a small group of Military Orchid (*Orchis militaris*) that includes several white individuals. A short distance further on, at Butari, is a wonderful meadow for wild flowers including large numbers of orchids. First of all, Paul pointed out the old damp drain crossing the field which holds most of the Adder's-tongue Fern (*Ophioglossum vulgatum*) on the site, before we moved on to examine the huge numbers of Toothed Orchid (*Neotinea tridentata*), Green-winged

Orchid (*Anacamptis morio*) and Loose-flowered Orchid (*A. laxiflora*), together with a wide range of hybrids between the latter. Just coming into flower in the drier part of the meadow were half-a-dozen or so Long-lipped or Ploughshare Tongue Orchids (*Serapias vomeracea*).

Moving on, we stopped briefly at a small church at Hrastovlje. This is one of the jewels of Slovene culture, a completely decorated Medieval church, the murals of which were carefully uncovered some years ago and include a famous *Danza Macabra* or ‘Dance of Death’. Having finished with the church, we made our way towards Koper on the coast where DOPPS, Slovenia’s Birdlife International partner, has a reserve and new visitor centre. While Paul went to get supplies for lunches, Rob took the group on the circular walk of the new hides, putting together a very creditable bird list that included Great Reed and Cetti’s Warbler, Pygmy Cormorant, Black-winged Stilt, a migrant White-winged Black Tern plus Greenshank, Redshank and Grey-headed Wagtail. By now it was time for lunch and we settled down to a picnic on the tables provided close to the visitor centre.

After coffees it was time to move on and we re-entered Croatia closer to the coast than before, heading to the mouth of the Mirna River (the one passing in front of our hotel) and making our way back upstream towards our base. With the sun at our backs, it was easier to pick out soaring birds and sightings included Marsh Harriers and a Red-footed Falcon, as well as common birds such as Corn Bunting and Stonechat. Further up the river, we reached the stretch with large numbers of nesting Common Bee-eaters which performed excellently, at one point joined by a pair of Red-rumped Swallows nesting under one of the bridges. Both these species are increasing rapidly and are spreading north into Central Europe, perhaps as a result of climate change and high summer temperatures. Soon we were back at the hotel, and there was just time for a shower and a short break before dinner.

Day 4

Saturday 7th May

High plateau above Istarske Toplice, Laganiši & Čepić

Warm and sunny with an afternoon thunder shower. Like our first full day, today we had another day close to home, on the plateau above the hotel where a mix of geologies (flysch, a type of mudstone and limestone) make for a high level of biodiversity. As we went up towards Oprtalj-Portole, we found a large number of Lady Orchid (*Orchis purpurea*), Adriatic Lizard Orchid (*Himatoglossum adriaticum*) and Common Spotted Orchid (*Dactylorhiza fuchsii*), strangely the rarest of the orchids in this part of Istria. Arriving up on the plateau, a Short-toed Eagle was spotted from the van. This is a common species in Istria but remained surprisingly invisible for the rest of the week.

Parking at Sveta Lucija, we made our way along a gravel road towards the village of Laganiši. Large parts of Inner Istria have suffered massive rural depopulation and abandonment and Laganiši is no exception, but there are islands of continued grazing and cultivation, maintaining the local biodiversity. Walking along the track there were plenty of plants to see, including (again) Lady Orchid and Adriatic Lizard Orchid, and the low vegetation along the track was full of butterflies including Dingy and Grizzled Skippers and large numbers of Small and Provençal Short-tailed Blues and Green Hairstreak. The group was treated to fine but distant views of Golden Oriole and, further on where the views opened out, we encountered Whitethroat, Eastern Subalpine Warbler, Whinchats and Woodlarks, as well as a different range of plants including Carthusian Pink (*Dianthus*

carthusianorum), Bee Orchid (*Ophrys apifera*) and Clove-scented Broomrape (*Orobanche caryophyllacea*). Passing through the village we moved on along the track that re-entered light woodland as far as the village of Jadroni, now completely abandoned. Rounding the corner first, one lucky member of the group was treated to a Beech Marten crossing the track and into the vegetation. This is a very common animal throughout Istria and its droppings, filled at this time of year with the remains of Rose Chafers and cherry stones, can be found all along the tracks in the countryside.

Getting back to the van, it was time to find a place for lunch. Sveta Marija Snježna is a church perched high on a cap of limestone, overlying the surrounding flysch mudstone. As such, and with very thin soils, it has survived much of the ploughing and agricultural intensification in the area around it but the meadows are cut regularly. The flora is magnificent with many, many thousands of Green-winged Orchids and hundreds of Toothed Orchids, and with smaller numbers of rarer species too. As such, it is a splendid spot for a picnic. There were plenty of birds and butterflies too, with good views of Cuckoo and Whitethroat for some of the group and Small, Short-tailed, Common, Chequered and Adonis Blues together with Dingy and Grizzled Skippers and the odd Marsh and Glanville Fritillary in the wide meadows behind the church.

The final stop of the day was behind the village of Čepić, a track down into a well-developed *polje* – typical of the Balkans – a flat plain that forms where water enters and erodes the surrounding limestone, leaving behind a fertile *terra rossa* soil. The walk down is rich in flora, with the surviving leaves of *Cyclamen purpurascens* and Christmas Rose (*Helleborus niger*). The rocky cutting giving access to the *polje* is cold and dark and with an interesting flora on the walls, including Mossy Sandwort (*Moebria muscosa*). On the *polje* itself, where the water drains away into sinkholes only to re-emerge at our hotel (Istarske Toplice is a thermal springs resort), there was a large congregation of at least five Slow-worms under a sheet of corrugated iron, as well as Smooth Newts and Marsh Frogs in one of the small ponds. At this point it was time to return to hotel for a wash-and-brush-up before dinner.

Day 5

Sunday 8th May

Rakitovec (Kraški rob), Srbani, Tar-Torre and the Mirna Valley

Warm and sunny morning but a powerful afternoon thunderstorm (which missed us). Today we planned to explore the Kraški rob or Karst edge, the chain of high (1,000 metre) mountains that run NW – SE in Inner Istria. Though the sun was shining brightly in a clear sky, thunderstorms were forecast for late morning, so we left the hotel slightly earlier than usual, making our way back into Slovenia and up towards the village of Rakitovec. Here, a turn off the asphalt road leads onto a gravel track that crosses open *gmajna* or *landa carsica*. These dry grasslands, typical of these parts, were being lost to scrub encroachment but are slowly being reclaimed by careful, targeted grazing with cows, sheep, goats and horses. Passing through the grasslands, there were birds to see in some numbers including Woodlark, Skylark, Whinchat and Wheatear perched on fences, rocks and juniper bushes. The area is also a stronghold of Red-backed Shrike and several males were visible. One target bird we were here to see was the Ortolan Bunting. Once abundant in the Karst, this is the last population in Slovenia, and as we approached our stop Paul heard a male singing from the top of a Hop Hornbeam (*Ostrya carpinifolia*) tree in open country close to the track. Everyone was able to get views, albeit distant ones. The bird ran through its repertoire of five or six songs, the so-called *Beau Geste* effect designed to make other Ortolan Buntings, both male and female, though for opposite reasons, think that there are already a lot of birds in the

area! Moving on, a falcon was spotted, hawking over the grassland and turned out to be a male Red-footed Falcon which have been particularly numerous on spring migration in 2016.

Walking down through the meadows, we quickly encountered a number of interesting plants including the endemic Golden-drop *Onosma javorkae*, several patches of *Globularia cordifolia* and the odd Poet's Narcissus (*Narcissus poeticus*) here and there, as well as quite a few Clouded Yellow and Berger's Clouded Yellow butterflies together with the ubiquitous Dingy and Grizzled Skipper. Not far from the van we found a second male Ortolan Bunting, extremely confident and sitting out well at little more than 20 metres from the group. At this stage one of the local pair of Golden Eagles decided to show itself well for all the group, beginning to put on its 'sky-diving' display in front of us. This is unusual in May with paired birds, and the reason soon became clear as it made its way towards a second Golden Eagle, an immature and perhaps last year's chick which was escorted out of the territory. A Woodlark carrying food was also noted and we decided that it was best to leave the area. By this stage black clouds were building over the mountains inland and making progress towards us and it was time to make a run for the coast to escape the rain.

There was still time for a stop at Rakitovec itself to look at a fine stand of Perfoliate Alexanders (*Smyrniium perfoliatum*). At this point Paul heard a male Common Redstart in song and good views were obtained by some. This is an urban bird of well-wooded villages in Upper Istria and never found in natural habitats as it is in the UK. On lower ground and in hotter, rockier situations the Black Redstart is ubiquitous. Travelling through the driving rain, we headed westwards towards the coast where these afternoon summer storms rarely reach, as it proved when we reached the cemetery of the village of Srbani for lunch. Here there was (un-needed) cover and a fine view of the leering black clouds which threatened but did not reach us.

After lunch and with our itinerary in tatters we headed downhill and into the Mirna valley (with a quick stop for Bee Orchids for Rob's van) before reaching the coast and heading south towards Tar-Torre to a site that Paul had discovered just the previous week. Land owned by Ivica Todorić, a Croatian supermarket magnate and the country's richest man, is grazed by horses that have created the perfect conditions for the flowering of thousands of Pink Butterfly Orchid (*Anacamptis papilionacea*), as well as a wide range of other orchid species. Although slightly past their sell-by-date they constituted a fine show, including a single white one and the slightly later visit meant that other interesting species were in flower including the *Ophrys incubacea*, the Dark Spider Orchid. Starting the journey back towards the hotel, there was time for another stop at some fields a short distance away with a nice show of the Illyrian Iris (*Gladiolus illyricus*), the same species as grow wild in the New Forest in UK.

Back on the road along the Mirna, towards the hotel, a few more species were added to the bird list including Icterine Warbler (a male in song and showing well) and Spanish Sparrow with a few heron species for good measure, together with the usual Bee-eaters. Only when we got back to the hotel did we discover that those in Rob's van had been able to enjoy good views of Black-headed Bunting! May 8th is a very early date for this species (it normally arrives around the 15th of the month) and the now very small Mirna Valley population is the most northerly in the world! Fifteen years ago there was a flourishing population in the valley but the construction of the new arterial road and agricultural intensification have seen numbers of singing males fall to just single figures.

Day 6

Monday 9th May

Rakov Škocjan and Cerkniško Jezero

Warm and breezy with a lunchtime shower. Today's trip was the longest of the holiday and one of the most interesting from a landscape and cultural perspective, as it lies well into Slovenia and far from the Venetian, Italian and Croatian influence one feels in Istria and has more in common with Central Europe. After stopping at Postojna to buy material for lunches, we turned off the main road and up towards Rakov Škocjan, a narrow limestone canyon the main exit stream from the lake of Cerkniško Jezero. At a point just past Postojna we had passed from one major watershed (the Adriatic) to another (that of the Danube). The water we were looking at would finish in the Black Sea. The River Rakek exits the lake along Rakov Škocjan before plunging into the Weaver's Cave and down under the Karst. There were not many birds, but a single Willow Tit at the first stop and a singing Marsh Tit at the second (together with a Wood Warbler) enlivened things. The flora was much better than the birding with lots of Haquetia (*Haquetia epipactis*), Blue-eyed Mary (*Omphalodes verna*) and a range of species of bittercress (*Cardamine spp.*).

Moving on, we arrived at the lake itself, a vast *polje* covering 30km². The lake can vary in depth by as much as 4 metres in the course of a day or two. We took a walk along the shore that was enlivened by views of Fieldfare (a common breeder here), Yellowhammer, Ashy-headed Yellow Wagtail and Reed Bunting and a brief glimpse of Wryneck. Moving round the lake by road, there were a few waterfowl to look at including a displaying pair of Great Crested Grebes, a flock of Pochard and, oddly, a male Goldeneye still present. By now it was time for lunch which we took in a clearing on an island in the lake. For some reason the Slovenes are not very imaginative with their place-names. The island is called "Otok" which in Slav languages means "Island". There are dozens of villages called 'Nova Vas' (= 'New Village') and almost as many called 'Stara Vas' (for older ones).

After lunch, enriched with views of Red-backed Shrike and Common Buzzard, we headed off through some woodland towards a viewpoint. A Grey-headed Woodpecker graced us with a few calls and a couple of flyovers but the main attraction was the ground flora with a range of interesting species including Common Twayblade (*Neottia ovata*) and large amounts of Asarabacca or European Wild Ginger (*Asarum europaeum*) whose small purple flowers open at ground level, often under the leaves. The shrub layer included a large amount of Bladdernut (*Staphylea pinnata*), a small tree native to the Balkans with attractive panicles of white flowers which was new for most of the group. While the view from the panoramic point was splendid the birds were something of a let-down with large numbers of Little Egret and Great White Egret and a single Western Marsh Harrier being almost the only birds of note. Moving round to our next stop there was patch of open water holding a male Garganey. The lunchtime shower intervened at this point and there was little point in stopping other than to view the nest of White Storks on a roof in the village of Gorenje Jezero. This is an excellent nest for viewing as it is at eye-level, and provided a good view of the incubating bird which as of 10th June has three well-grown chicks that should fledge next month.

The rain was easing off at this point and we dropped down again onto the *polje*, crossing a stretch of wide open grassland and hay-meadows where Eurasian Skylarks were common and were treated to excellent views of a hunting immature male Montagu's Harrier. Spotting some birds in one of the few tall trees on the *polje*, Paul stopped the van. These proved to be three Red-footed Falcons that gave splendid views in the telescope. By now time was getting on and it was time to return to the hotel.

Tonight was our final meal at the Dolina restaurant. The food this week had been superb and there was a round of applause for Edi, Mirjana and the kitchen staff.

Day 7

Tuesday 10th May

Premantura (Kamenjak), Pula (Arena) and the the Mirna Valley

Largely overcast with some sunshine at mid-day and a southerly wind but remaining dry. Our final day was undertaken in the face of worsening weather conditions with rain that often accompanies the southerly *Sirocco* wind in the Adriatic. Luckily, we were going to Premantura, the southern tip of Istria about 90 minutes from the hotel and one of the driest places around the Adriatic.

Arriving at the start of the peninsula, we quickly obtained good views of Tawny Pipit in the open grassland which was dotted with a profusion of wild flowers, including two species of Cistus (*Cistus sp.*), *Dorycnium hirsutum*, and Yellow-wort (*Blackstonia perfoliata*). Parking up, we headed towards the southern tip of the peninsula itself, with further views of Tawny Pipit and an Eastern Subalpine Warbler. Although Mediterranean Shags were passing offshore, there was little else on the sea and the stars of the show, who kept us waiting for a bit before gracing us with their presence, were 25 or so Pallid Swifts using one of the sea-caves for nesting. These birds are well-used to the hordes of tourists later in the season and came within two metres of the observers!

Moving round, we began to encounter some of the other typical plants of the Mediterranean scrub that dominates the area including Myrtle (*Myrtus communis*), Mastic Bush (*Pistacia lentiscus*), Spiny Ivy (*Smilax aspera*), Broad-leaved Phillyrea (*Phillyrea latifolia*) and Tree Heath (*Erica arborea*) – all evergreen species showing just how mild the climate is here in winter. Orchids were now coming to the fore with three interesting species of Bee Orchid, Bertoloni's Bee Orchid (*Ophrys bertolonii*), the yellowish Bumblebee Orchid (*O. bombyliflora*) and the Dark Spider Orchid (*O. sphegodes* subsp. *atrata*, formerly *O. incubacea*). At this point we took a break for lunch and were treated to a splendid fly-by of five Honey Buzzards that had evidently arrived off the sea in the stiff southerly breeze, probably from the nearby island of Cres, the largest of the Dalmatian islands visible across the strait. After lunch there was time for a good walk through the scrub where we were treated to excellent views of Red-backed Shrike and Eastern Subalpine Warbler, although the Sardinian Warblers kept a remarkably low profile and only one was heard. On the plant front there was more to see, including a splendid stand of the introduced Hottentot Fig (*Carpobrotus edulis*), Wild Fig (*Ficus carica*) and the beautiful but strange-looking relative of the broomrapes, Bellardia (*Bellardia trixago*).

Finally it was time to leave and head for Pula for a view of the splendid Roman arena, the sixth largest in the world and in splendid condition. In its heyday it would have held 20,000 spectators. Driving back through the woodland at the head of the peninsula there was time to stop to check for some late flowers in the shade of the pines. The stop proved fortuitous with lots of fine Bertoloni's Bee Orchid, some Broad-leaved Anemones *Anemone hortensis* and a fine patch of the vanilla-scented Bug Orchid *Anacamptis coriophora* ssp. *fragrans*. In the north of Istria is the darker, later-flowering *Anacamptis c. coriophora* that stinks like a crushed shieldbug!

In the evening we ate another excellent meal in Sandro's restaurant in Oprtalje-Portole, the Konoba Oprtalje, about half-an-hour's drive from the hotel. Like many northern Istrian towns, the main square outside the hotel is full of large, hollow Horse Chestnut (*Aesculus hippocastanum*) trees. There were large numbers of Noctule bats,

watched and listened to with a bat-detector, and relatively easy-to-see Scops Owls. The resident male was called in above our heads and illuminated with a torch, staring down on the assembled participants with its baleful yellow eyes. A great finish to an excellent day.

Day 8

Wednesday 11th May

Isola della Cona NR and Trieste - Stansted

Overcast and breezy. Cooler, with rain beginning in late morning and becoming persistent. Our final day in Istria began with a leisurely breakfast, and time for packing. Then, with the bills quickly settled, we made our way out of Croatia, across a short stretch of Slovenia and into Italy and on took the minibuses to the nature reserve of Isola della Cona at the mouth of the river Isonzo.

By now the weather was worsening, with persistent rain, but there were plenty of wetland birds to see. These included a wide range of herons, ducks and geese, including Little and Great Egrets, Squacco, Grey and Purple Herons, Glossy Ibis, Eurasian Spoonbill, Mute Swan, Greylag Goose, Common Shelduck, Eurasian Wigeon, Eurasian Teal, Gadwall, Mallard and Northern Shoveler, together with Pygmy Cormorant. Waders included Black-winged Stilt, Little Ringed Plover, Northern Lapwing, Ruff, Eurasian Curlew, Spotted Redshank, Common Greenshank and Wood Sandpiper.

After lunch it was time to make our way towards the airport, just 20 minutes away, where minibuses were returned and goodbyes were said after what had been a very successful holiday on all fronts.

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Species Lists

Plants

Scientific name	Common name	Location
PTERIDOPHYTES		
Calamophytes		
Equisetaceae		
<i>Equisetum arvense</i>	Horsetail Family Field Horsetail	Istarske Toplice
<i>Equisetum telmateia</i>	Great Horsetail	Škocjanski zatok - Val Stagnon
Eusporangiate Ferns		
Ophioglossaceae		
<i>Ophioglossum vulgatum</i>	Adder's-tongue Family Adder's-tongue Fern	Butari
Leptosporangiate Ferns		
Aspleniaceae		
<i>Asplenium officinarum</i>	Spleenwort family Rustyback Fern	Istarske Toplice
<i>Asplenium ruta-muraria</i>	Wall-rue	near Laganiši
<i>Asplenium scolopendrium</i>	Hart's-tongue	Rakov Škocjan
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	Istarske Toplice
Dennstaedtiaceae		
<i>Pteridium aquilinum</i>	Bracken Family Bracken	Istarske Toplice
Dryopteridaceae		
<i>Dryopteris filix-mas</i>	Buckler-fern Family Male-fern	Rakov Škocjan
Polypodiaceae		
<i>Polypodium vulgare</i>	Polypody Family Polypody	Rakitovec/Kraški rob
GYMNOSPERMS		
CONIFERS		
Cupressaceae		
<i>Juniperus communis</i>	Juniper Family Juniper	near Laganiši
<i>Juniperus oxycedrus</i>	Prickly Juniper	Istarske Toplice
Pinaceae		
<i>Pinus nigra</i>	Pine Family Black Pine	Premantura
<i>Pinus pinaster</i>	Maritime Pine	Premantura
ANGIOSPERMS		
FLOWERING PLANTS		
Pre-Dicots		
Primitive Angiosperms		
Aristolochiaceae		
<i>Asarum europaeum</i>	Birthwort Family Asarabacca	Rakov Škocjan
<i>Aristolochia clematitis</i>	Yellow Birthwort	Hrastovlje
<i>Aristolochia rotunda</i>	Round-eaved Birthwort	Škocjanski zatok - Val Stagnon

Scientific name	Common name	Location
Lauraceae <i>Laurus nobilis</i>	Bay Family Bay Tree	Istarske Toplice
Eu-dicots	True Dicotyledons	
Adoxaceae <i>Sambucus nigra</i> <i>Sambucus racemosa</i> <i>Viburnum lantana</i> <i>Viburnum opulus</i>	Moschatel Family Elder Red-Berried Elder Wayfaring Tree Guelder Rose	Driving Rakov Škocjan Cerkniško Jezero Istarske Toplice
Anacardiaceae <i>Cotinus coggygria</i> <i>Pistacia lentiscus</i> <i>Pistacia terebinthus</i>	Sumach Family Smoke Bush Mastic Tree Turpentine Tree	Istarske Toplice Prematura Istarske Toplice
Apiaceae <i>Aegopodium podagraria</i> <i>Anthriscus sylvestris</i> <i>Eryngium campestre</i> <i>Hacquetia epipactis</i> <i>Orlaya grandiflora</i> <i>Sanicula europaea</i> <i>Scandix pecten-veneris</i> <i>Smyrnium perfoliatum</i> <i>Tordylium apulum</i>	Carrot Family Ground Elder Cow Parsley Field Eryngium Hacquetia White-lace Flower Sanicle Shepherd's-needle Perfoliate Alexanders Tordylium	Cerkniško Jezero Cerkniško Jezero Istarske Toplice Rakov Škocjan Istarske Toplice Rakov Škocjan Tar-Torre near Laganiši Premantura
Apocynaceae <i>Vinca minor</i> <i>Vincetoxicum hirundinaria</i>	Periwinkle Family Lesser Periwinkle Swallow-wort	Cerkniško Jezero Butari
Araliaceae <i>Hedera helix</i>	Ivy Family Ivy	Istarske Toplice
Asteraceae <i>Achillea millefolium</i> <i>Bellis perennis</i> <i>Bellis sylvatica</i> <i>Centaurea montana</i> <i>Cichorium intybus</i> <i>Erigeron annuus</i> <i>Filago (Evax) pygmaea</i> <i>Hieracium pilosella</i> <i>Hyoseris radiata</i> <i>Inula viscosa</i> <i>Jurinea mollis</i> <i>Lactuca perennis</i> <i>Leucanthemum vulgare</i> <i>Scorzonera villosa</i> <i>Serratula tinctoria</i> <i>Smyrnium perfoliatum</i> <i>Trinia glauca</i>	Daisy Family Yarrow Daisy Perennial Cornflower Chicory Annual Fleabane Evax Mouse-Eared hawkweed Stink Aster Jurinea Blue Lettuce Ox-eye daisy Villous Viper's-grass Saw-wort Perfoliate Alexanders Honewort	Butari Istarske Toplice Istarske Toplice near Laganiši Istarske Toplice Istarske Toplice Premantura Istarske Toplice Rakov Škocjan Premantura Rakitovec/Kraški rob Rakitovec/Kraški rob Cerkniško Jezero near Laganiši Premantura Rakitovec/Kraški rob Rakitovec/Kraški rob

Scientific name	Common name	Location
<i>Tragopogon tommasinii</i> <i>Urospermum dallachampii</i>	Tommasini's Goatsbeard Urospermum	near Laganiši Premantura
Betulaceae	Birch Family	
<i>Carpinus betulus</i>	Hornbeam	Istarske Toplice
<i>Corylus avellana</i>	Hazel	near Laganiši
<i>Ostrya carpinifolia</i>	Hop-hornbeam	Istarske Toplice
Boraginaceae	Forget-me-not Family	
<i>Cerintho minor</i>	Lesser Honeywort	near Laganiši
<i>Echium vulgare</i>	Viper's-bugloss	Istarske Toplice
<i>Lithospermum purpureocaerulea</i>	Purple Gromwell	near Laganiši
<i>Omphalodes verna</i>	Blue-eyed Mary	Rakov Škocjan
<i>Onosma javorkae</i>	a Goldendrop	Istarske Toplice
<i>Pulmonaria officinalis</i>	Lungwort	Istarske Toplice
<i>Symphytum officinale</i>	Comfrey	Cerkniško Jezero
Brassicaceae	Cabbage Family	
<i>Arabis turrata</i>	Tower-cress	Istarske Toplice
<i>Aurinia (Alyssum) saxatile</i>	Golden Alyssum	near Laganiši
<i>Cardamine bulbifera</i>	Coralroot Bittercress	Rakov Škocjan
<i>Cardamine enneaphyllos</i>	Nine-leaved Bittercress	Rakov Škocjan
<i>Cardamine pratensis</i>	Lady's Smock	Rakitovec/Kraški rob
<i>Cardaria draba</i>		Škocjanski zatok - Val Stagnon
<i>Lunaria annua</i>	Honesty	Rakitovec/Kraški rob
Campanulaceae	Bellflower Family	
<i>Campanula rapunculus</i>	Rampion Bellflower	Istarske Toplice
Cannabaceae		
<i>Humulus lupulus</i>	Hop	Škocjanski zatok - Val Stagnon
Caprifoliaceae	Honeysuckle Family	
<i>Dipsacus fullonum</i>	Teasel	Istarske Toplice
<i>Knautia arvensis</i>	Field Scabious	Cerkniško Jezero
<i>Knautia drymeia</i>		near Laganiši
<i>Lonicera etrusca</i>	Etruscan Honeysuckle	near Laganiši
<i>Lonicera xylosteum</i>	Fly Honeysuckle	Rakov Škocjan
Caryophyllaceae	Pink Family	
<i>Dianthus carthusianorum</i>	Carthusian Pink	near Laganiši
<i>Moehringia muscosa</i>	Mossy Sandwort	Čepić
<i>Silene (Lychnis) flos-cuculi</i>	Ragged-Robin	Butari
<i>Silene alba</i>	White Campion	Hrastovlje
<i>Silene gallica</i>	Small-flowered Catchfly	Premantura
<i>Silene italica</i>	Italian Catchfly	Istarske Toplice
<i>Silene nutans</i>	Nottingham Catchfly	near Laganiši
<i>Silene vulgaris</i>	Bladder Campion	Istarske Toplice
Celastraceae	Spindle Family	
<i>Euonymus europaeus</i>	Spindle	Istarske Toplice

Scientific name	Common name	Location
Cistaceae		
<i>Cistus creticus (incanus)</i>	Rock-rose Family Pink Cistus	Premantura
<i>Cistus monspeliensis</i>	Narrow-leaved Cistus	Premantura
<i>Helianthemum nummularium</i>	Rock-rose	Istarske Toplice
<i>Tuberaria guttata</i>	Spotted Rockrose	Premantura
Convolvulaceae		
<i>Convolvulus cantabricus</i>	Bindweed Family Pink Convolvulus	Butari
Cornaceae		
<i>Cornus sanguinea</i>	Dogwood Family Dogwood	Istarske Toplice
Ericaceae		
<i>Erica arborea</i>	Heather Family Tree heath	Premantura
Euphorbiaceae		
<i>Euphorbia amygdaloides</i>	Spurge Family Wood Spurge	Rakov Škocjan
<i>Euphorbia cyparissias</i>	Cypress Spurge	Istarske Toplice
<i>Euphorbia fragifera</i>	Strawberry Spurge	Rakitovec/Kraški rob
<i>Euphorbia helioscopia</i>	Sun Spurge	Istarske Toplice
<i>Mercurialis perennis</i>	Dog's Mercury	Rakov Škocjan
Fabaceae		
<i>Anthyllis montana ssp. jacquinii</i>	Pea Family Mountain Kidney-vetch	Rakitovec/Kraški rob
<i>Anthyllis vulneraria</i>	Kidney-vetch	Istarske Toplice
<i>Cercis siliquastrum</i>	Judas Tree	Driving
<i>Colutea arborescens</i>	Bladder Senna	Istarske Toplice
<i>Cytisus (Chamaecytisus) hirsutus</i>	Hairy Broom	Abitanti
<i>Dorycnium hirsutum</i>	Hairy Dorycnium	Premantura
<i>Genista tinctoria</i>	Dyer's Greenweed	near Laganiši
<i>Hippocrepis comosa</i>	Horseshoe Vetch	Istarske Toplice
<i>Laburnum anagyroides</i>	Laburnum	Driving
<i>Lathyrus aphaca</i>	a Yellow Vetchling	Istarske Toplice
<i>Lathyrus latifolius</i>	Broad-leaved Everlasting-pea	Istarske Toplice
<i>Lathyrus pratensis</i>	Meadow vetchling	Istarske Toplice
<i>Lathyrus venetus</i>	Venetan Vetchling	Istarske Toplice
<i>Lathyrus vernus</i>	Spring Vetch	Rakov Škocjan
<i>Lotus corniculatus</i>	Bird's-foot-trefoil	Istarske Toplice
<i>Lotus (Tetragonolobus) maritimus</i>	Dragon's-teeth	Istarske Toplice
<i>Lotus uliginosus</i>	Marsh Bird's-foot-trefoil	Abitanti
<i>Lupinus varius</i>	Blue Lupin	Premantura
<i>Onobrychis viciifolia</i>	Sainfoin	Butari
<i>Ononis viscosa</i>	Sticky Restharrow	Premantura
<i>Robinia pseudoacacia</i>	False Acacia/Black Locust	Driving
<i>Scorpiurus muricatus</i>	Prickly Scorpion's-tail	near Laganiši
<i>Spartium junceum</i>	Spanish Broom	Butari
<i>Trifolium arvense</i>	Hare's-foot clover	near Laganiši
<i>Trifolium campestre</i>	Hop-trefoil	Istarske Toplice
<i>Trifolium incarnatum ssp. molinieri</i>	Crimson Clover	Čepić
<i>Trifolium montanum</i>	Mountain Clover	near Laganiši
<i>Trifolium repens</i>	White Clover	Istarske Toplice
<i>Trifolium stellatum</i>	Star Clover	Premantura

Scientific name	Common name	Location
<i>Vicia bythinicum</i>	Bythinian Vetch	Premantura
<i>Vicia cassubica</i>	Danzig Vetch	Škojanski zatok - Val Stagnon
<i>Vicia cracca</i>	Tufted Vetch	Istarske Toplice
<i>Vicia hybrida</i>		Istarske Toplice
<i>Vicia oroboides</i>		Cerkniško Jezero
<i>Vicia sativa</i>	Common Vetch	Istarske Toplice
Fagaceae	Beech Family	
<i>Fagus sylvatica</i>	Beech	Rakov Škojčan
<i>Quercus cerris</i>	Turkey Oak	Rakitovec/Kraški rob
<i>Quercus ilex</i>	Holm Oak	Premantura
<i>Quercus petraea</i>	Sessile Oak	Driving
<i>Quercus pubescens</i>	White Oak	near Laganiši
<i>Quercus robur</i>	Pendunculate Oak	Istarske Toplice
Gentianaceae	Gentian Family	
<i>Blackstonia perfoliata</i>	Yellow-wort	Premantura
<i>Centaurium erythraea</i>	Common Centuary	Premantura
<i>Centaurium maritimum</i>		Premantura
Geraniaceae	Crane's-bill Family	
<i>Geranium columbinum</i>	Long-stalked Cranesbill	Hrastovlje
<i>Geranium dissectum</i>	Cut-leave Cranesbill	Istarske Toplice
<i>Geranium lucidum</i>	Shining Cranesbill	Srbani-Serbani
<i>Geranium molle</i>	Dovesfoot Cranesbill	Istarske Toplice
<i>Geranium purpureum</i>	Little-Robin	Istarske Toplice
<i>Geranium robertianum</i>	Herb-Robert	Rakov Škojčan
<i>Geranium sanguineum</i>	Bloody Cranesbill	Istarske Toplice
Lamiaceae	Deadnettle Family	
<i>Ajuga chamaepitys</i>	Ground Pine	Čepić
<i>Ajuga genevensis</i>	Blue Bugle	Istarske Toplice
<i>Ajuga reptans</i>	Bugle	Istarske Toplice
<i>Glechoma hederacea</i>	Ground-ivy	Rakov Škojčan
<i>Lamiastrum galaeobdolon</i>	Yellow Archangel	Rakov Škojčan
<i>Lamium maculatum</i>	Spotted Dead-nettle	Hrastovlje
<i>Lamium orvala</i>	Balm-leaved Archangel	Rakov Škojčan
<i>Salvia officinalis</i>	Garden Sage	Premantura
<i>Salvia pratensis</i>	Meadow Clary	Istarske Toplice
<i>Satureja montana</i>	Winter Savory	Istarske Toplice
<i>Satureja subspicata</i>	Lilac-flowered Savory	Rakitovec/Kraški rob
<i>Teucrium chamaedrys</i>	Wall Germander	near Laganiši
<i>Thymus longicaulis</i>	Wild Thyme	Istarske Toplice
Linaceae	Flax Family	
<i>Linum bienne</i>	Pale Flax	Abitanti
Malvaceae	Mallow Family	
<i>Malva sylvestris</i>	Common Mallow	Hrastovlje
<i>Tilia cordata</i>	Small-leaved Lime	Čepić

Scientific name	Common name	Location
Moraceae <i>Ficus carica</i>	Mulberry Family Fig	Istarske Toplice
Myrtaceae <i>Myrtus communis</i>	Myrtle Family Common Myrtle	Premantura
Oleaceae <i>Fraxinus ornus</i> <i>Fraxinus angustifolia</i> <i>Ligustrum vulgare</i> <i>Phillyrea latifolia</i>	Olive Family Flowering Ash Narrow-leaved Ash Wild Privet Broad-leaved Phillyrea	Abitanti Istarske Toplice Rakitovec/Kraški rob Istarske Toplice
Orobanchaceae <i>Bellardia trixago</i> <i>Cymbalaria muralis</i> <i>Melampyrum carstiense</i> <i>Melampyrum cristatum</i> <i>Orobanche caryophyllacea</i> <i>Orobanche gracilis</i> <i>Orobanche rapum-genistae</i> <i>Rhinanthus minor</i>	Broomrape Family Ivy-leaved Toadflax Karst Cow-wheat Crested Cow-wheat Clove-scented Broomrape Slender Broomrape Greater Broomrape Yellow-rattle	Premantura Premantura near Laganiši near Laganiši near Laganiši Istarske Toplice near Laganiši near Laganiši
Oxalidaceae <i>Oxalis pes-caprae</i> <i>Oxalis articulata</i>	Wood-sorrel Family Bermuda Buttercup Pink Oxalis	Srbani-Serbani Srbani-Serbani
Papaveraceae <i>Chelidonium majus</i> <i>Fumaria officinalis</i> <i>Pseudofumaria alba</i>	Poppy Family Greater Celandine Common Fumitory White Corydalis	Rakitovec/Kraški rob Hrastovlje Istarske Toplice
Plantaginaceae <i>Globularia punctata</i> <i>Globularia cordifolia</i> <i>Plantago coronopus</i> <i>Plantago holostea</i> <i>Plantago lanceolata</i> <i>Plantago media</i> <i>Veronica chamaedrys</i> <i>Veronica hederifolia</i>	Plantain Family Common Globularia Heart-leaved Globularia Buck's-horn Plantain Ribwort Plantain Hoary Plantain Germander Speedwell Ivy-leaved Speedwell	Istarske Toplice Rakitovec/Kraški rob Premantura Istarske Toplice near Laganiši Rakov Škocjan Istarske Toplice
Polygalaceae <i>Polygala chamaebuxus</i> <i>Polygala nicaeensis</i>	Milkwort Family Shrubby Milkwort Nicean Milkwort	Cerkniško Jezero Istarske Toplice
Polygonaceae <i>Rumex acetosa</i>	Knotweed Family Common Sorrel	Cerkniško Jezero
Primulaceae <i>Anagallis arvensis</i> <i>Anagallis arvensis</i> subsp. <i>foemina</i> <i>Cyclamen purpurascens</i>	Primrose Family Scarlet Pimpernel Blue Pimpernel	Istarske Toplice Premantura Čepić

Scientific name	Common name	Location
Ranunculaceae	Buttercup Family	
<i>Aconitum napellus</i>	Monk's-hood	Rakov Škocjan
<i>Anemone hortensis</i>	Broad-leaved Anemone	Premantura
<i>Anemone nemoralis</i>	Wood Anemone	Rakov Škocjan
<i>Caltha palustris</i>	Marsh Marigold	Cerkniško Jezero
<i>Clematis vitalba</i>	Traveller's Joy	near Laganiši
<i>Helleborus multifidus</i>		Abitanti
<i>Helleborus niger</i>	Christmas Rose	Rakov Škocjan
<i>Hepatica nobilis</i>	Hepatica	Rakov Škocjan
<i>Pulsatilla montana</i>	Mountain Pasqueflower	Čepić
<i>Ranunculus acris</i>	Meadow Buttercup	Istarske Toplice
Resedaceae	Mignonette Family	
<i>Reseda lutea</i>	Mignonette	Istarske Toplice
Rhamnaceae	Buckthorn Family	
<i>Paliurus spina-christi</i>	Christ's-thorn	Istarske Toplice
Rosaceae	Rose Family	
<i>Crataegus monogyna</i>	Hawthorn	near Laganiši
<i>Filipendula vulgaris</i>	Dropwort	Butari
<i>Fragaria vesca</i>	Wild Strawberry	Abitanti
<i>Geum urbanum</i>	Wood Avens	Rakitovec/Kraški rob
<i>Potentilla anserina</i>	Silverweed	Cerkniško Jezero
<i>Potentilla erecta</i>	Tormentil	Cerkniško Jezero
<i>Potentilla recta</i>	Sulphur Cinquefoil	Istarske Toplice
<i>Potentilla reptans</i>	Creeping Cinquefoil	Abitanti
<i>Rosa canina</i>	Dog Rose	Istarske Toplice
<i>Rubus fruticosus</i>	Bramble	Istarske Toplice
<i>Sanguisorba minor</i>	Salad Burnet	Istarske Toplice
<i>Sorbus aucuparia</i>	Rowan	Rakov Škocjan
<i>Sorbus torminalis</i>	Wild Service Tree	Istarske Toplice
Rubiaceae	Bedstraw Family	
<i>Galium aparine</i>	Cleavers	Istarske Toplice
<i>Galium cruciata</i>	Crosswort	Škocjanski zatok - Val Stagnon
<i>Galium mollugo</i>	Hedge Bedstraw	Istarske Toplice
<i>Galium verum</i>	Lady's Bedstraw	Istarske Toplice
<i>Rubia peregrina</i>	Wild Madder	Premantura
Rutaceae	Rue Family	
<i>Dictamnus albus</i>	Burning-bush/Dittany	near Laganiši
Salicaceae	Willow Family	
<i>Populus alba</i>	White Poplar	Istarske Toplice
<i>Populus nigra</i>	Black Poplar	Istarske Toplice
<i>Salix alba</i>	White Willow	Istarske Toplice
Santalaceae	Sandalwood Family	
<i>Osyris alba</i>		Istarske Toplice

Scientific name	Common name	Location
Sapindaceae	Maple Family	
<i>Acer campestre</i>	Field Maple	Istarske Toplice
<i>Acer monspessulanum</i>	Montpelier Maple	near Laganiši
<i>Acer platanoides</i>	Norway Maple	Rakov Škocjan
<i>Acer pseudoplatanus</i>	Sycamore	Rakitovec/Kraški rob
Scrophulariaceae	Figwort Family	
<i>Scrophularia canina</i>	Alpine (=French) Figwort	Srbani-Serbani
<i>Verbascum phoeniceum</i>	Purple Mullein	near Laganiši
Staphylaeaceae		
<i>Staphylea pinnata</i>	Bladder-nut	Rakov Škocjan
Tamaricaceae	Tamarisk Family	
<i>Tamarix gallica</i>	Tamarisk	Driving
Thymelaeaceae	Daphne Family	
<i>Daphne mezereum</i>	Mezereon	Rakov Škocjan
Ulmaceae	Elm Family	
<i>Celtis australis</i>	Southern Nettle Tree	Pula
<i>Ulmus glabra</i>	Wych Elm	near Laganiši
Urticaceae	Nettle Family	
<i>Parietaria officinalis</i>	Pellitory-of-the-Wall	Istarske Toplice
<i>Urtica dioica</i>	Common Nettle	Istarske Toplice
Violaceae	Violet Family	
<i>Viola arvensis</i>	Field Pansy	Abianti
<i>Viola elatior</i>	Shrubby Violet	Cerkniško Jezero

Monocots**Monocotyledons**

Amaryllidaceae	Daffodil Family	
<i>Leucojum aestivum</i>	Summer Snowflake	Cerkniško Jezero
<i>Narcissus poeticus</i> var. <i>radiiflorus</i>	Poet's Narcissus	Rakitovec/Kraški rob
Asparagaceae	Asparagus Family	
<i>Asparagus acutifolius</i>	Spiny Wild Asparagus	Istarske Toplice
<i>Bellevalia trifoliata</i>		near Laganiši
<i>Convallaria majalis</i>	Lily-of-the-valley	Rakov Škocjan
<i>Leopoldia (Muscari) comosa</i>	Tassel Hyacinth	Istarske Toplice
<i>Ornithogalum comosum</i>	Star-of-Bethlehem	Rakitovec/Kraški rob
<i>Ornithogalum pyrenaicum</i>	Bath Asparagus (= Spiked Star-of-Bethlehem)	Istarske Toplice
<i>Ornithogalum umbellatum</i>	Umbellate Star-of-Bethlehem	near Laganiši
<i>Polygonatum odoratum</i>	Scented Solomon's-seal	Rakov Škocjan
<i>Polygonatum verticillatum</i>	Whorled Solomon's-seal	Cerkniško Jezero
<i>Ruscus aculeatus</i>	Butcher's-broom	Istarske Toplice
Colchicaceae	Meadow Saffron Family	
<i>Colchicum autumnale</i>	Meadow Saffron	Abianti

Scientific name	Common name	Location
Cyperaceae	Sedge Family	
<i>Carex digitata</i>	Fingered Sedge	Cerkniško Jezero
<i>Schoenus nigricans</i>	Black Bog-rush	Cerkniško Jezero
<i>Scirpus maritimus</i>	Sea Club-rush	Škocjanski zatok - Val Stagnon
Dioscoreaceae	Black Bryony Family	
<i>Dioscorea (Tamus) communis</i>	Black Bryony	Istarske Toplice
Iridaceae	Iris Family	
<i>Gladiolus illyrica</i>	Illyrian Iris	Tar-Torre
<i>Iris graminea</i>	Garden Iris	Istarske Toplice
<i>Iris pseudacorus</i>	Yellow Flag	Mirna Valley
Melanthiaceae	Herb-paris Family	
<i>Paris quadrifolia</i>	Herb-Paris	Rakov Škocjan
Orchidaceae	Orchid Family	
<i>Anacamptis (Orchis) coriophora</i>	Bug Orchid	Premantura
<i>Anacamptis (Orchis) laxiflora</i>	Loose-flowered Orchid	Butari
<i>Anacamptis (Orchis) morio</i>	Green-winged Orchid	Abitanti
<i>Anacamptis (Orchis) papilionacea</i>	Pink Butterfly Orchid	Tar-Torre
<i>Cephalanthera damasonium</i>	White Helleborine	Istarske Toplice
<i>Cephalanthera longifolia</i>	Sword-Leaved Helleborine	Istarske Toplice
<i>Dactylorhiza fuchsii</i>	Common Spotted Orchid	Towards Oprtalj-Portole
<i>Himantoglossum adriaticum</i>	Adriatic Lizard Orchid	Istarske Toplice
<i>Limodorum abortivum</i>	Violet Limodore	Čepić
<i>Neotinea (Orchis) tridentata</i>	Toothed Orchid	Abitanti
<i>Neottia nidus-avis</i>	Bird's-Nest Orchid	Cerkniško Jezero
<i>Neottia (Listera) ovata</i>	Twayblade	Cerkniško Jezero
<i>Ophrys apifera</i>	Bee Orchid	Tar-Torre
<i>Ophrys bertolonii</i>	Bertlonii's Bee Orchid	Premantura
<i>Ophrys bombyliflora</i>	Bumblebee Orchid	Premantura
<i>Ophrys fuciflora (holoserica)</i>	Late Spider Orchid	Istarske Toplice
<i>Ophrys insectifera</i>	Fly Orchid	near Laganiši
<i>Ophrys sphegodes</i>	Early Spider Orchid	Istarske Toplice
<i>O. sphegodes</i> ssp. <i>atrata (O.incubacaea)</i>	Dark Spider Orchid	Tar-Torre
<i>Orchis militaris</i>	Military Orchid	Abitanti
<i>Orchis purpurea</i>	Lady Orchid	Istarske Toplice
<i>Serapias istriaca</i>	Istrian Tongue Orchid	Premantura
<i>Serapias lingua</i>	Tongue Orchid	Premantura
<i>Serapias parviflora</i>	Small-flowered Tongue Orchid	Premantura
<i>Serapias vomeracea</i>	Ploughshare Tongue Orchid	Butari
Poaceae	Grass Family	
<i>Aegilops geniculata</i>		Rakitovec/Kraški rob
<i>Arrhenatherum elatius</i>	False Oat-grass	Škocjanski zatok - Val Stagnon
<i>Briza maxima</i>	Large Quaking Grass	Premantura
<i>Catapodium rigidum</i>	Fern-grass	Istarske Toplice
<i>Dactylis glomerata</i>	Cock's-foot	Istarske Toplice
<i>Melica nutans</i>	Nodding/Mountain Melick	Rakov Škocjan
<i>Poa trivialis</i>	Rough Meadow-grass	Istarske Toplice
<i>Stipa eriocalis</i> ssp. <i>austriaca</i>	Feather Grass	Rakitovec/Kraški rob

Scientific name	Common name	Location
Smilacaceae	Greenbrier Family	
<i>Smilax aspera</i>	Spiny Ivy	Premantura

Birds (✓ = recorded but not counted; H = heard only; 1 = nest)

	Common name	Scientific name	May							
			4	5	6	7	8	9	10	11
1	Little Grebe	<i>Tachybaptus ruficollis</i>			✓			✓		✓
2	Great Crested Grebe	<i>Podiceps cristatus</i>			✓			✓		
3	Great Cormorant	<i>Phalacrocorax carbo</i>			2					✓
4	European Shag	<i>Phalacrocorax aristotelis</i>							4	✓
5	Pygmy Cormorant	<i>Microcarbo pygmeus</i>			1					✓
6	Little Bittern	<i>Ixobrychus minutus</i>		H						
7	Squacco Heron	<i>Ardeola ralloides</i>			1					✓
8	Little Egret	<i>Egretta garzetta</i>			✓		✓	✓	2	✓
9	Great White Egret	<i>Ardea alba</i>			✓			✓		✓
10	Grey Heron	<i>Ardea cinerea</i>			✓			✓	1	✓
11	Purple Heron	<i>Ardea purpurea</i>			✓					
12	White Stork	<i>Ciconia ciconia</i>						1N		
13	Glossy Ibis	<i>Plegadis falcinellus</i>								1
14	Eurasian Spoonbill	<i>Platalea leucorodia</i>								1
15	Mute Swan	<i>Cygnus olor</i>								✓
16	Greylag Goose	<i>Anser anser</i>								✓
17	Common Shelduck	<i>Tadorna tadorna</i>								✓
18	Eurasian Wigeon	<i>Anas penelope</i>								✓
19	Eurasian Teal	<i>Anas crecca</i>								✓
20	Garganey	<i>Anas querquedula</i>						1		
21	Gadwall	<i>Anas strepera</i>								✓
22	Mallard	<i>Anas platyrhynchos</i>		4	✓	✓	✓	✓	✓	✓
23	Northern Shoveler	<i>Anas clypeata</i>								✓
24	Common Pochard	<i>Aythya ferina</i>						8		✓
25	Common Goldeneye	<i>Bucephala clangula</i>						1♂		
26	European Honey Buzzard	<i>Pernis apivorus</i>							5	
27	Short-toed Eagle	<i>Circaetus gallicus</i>				1				
28	Western Marsh Harrier	<i>Circus aeruginosus</i>		3		1		1		
29	Montagu's Harrier	<i>Circus pygargus</i>						1		
30	Eurasian Sparrowhawk	<i>Accipiter nisus</i>								
31	Northern Goshawk	<i>Accipiter gentilis</i>		1						
32	Common Buzzard	<i>Buteo buteo</i>		2	✓	✓	✓	✓	✓	
33	Golden Eagle	<i>Aquila chrysaetos</i>				3				
34	Common Kestrel	<i>Falco tinnunculus</i>					1	3	1	
35	Red-footed Falcon	<i>Falco vespertinus</i>			1		2		1♂	
36	Eurasian Hobby	<i>Falco subbuteo</i>						3		
37	Peregrine Falcon	<i>Falco peregrinus</i>					H			
38	Bobwhite Quail	<i>Colinus virginianus</i>					H			
39	Common Pheasant	<i>Phasianus colchicus</i>				1			3	1
40	Common Moorhen	<i>Gallinula chloropus</i>			✓					✓
41	Eurasian Coot	<i>Fulica atra</i>			✓			✓		✓
42	Black-winged Stilt	<i>Himantopus himantopus</i>			✓					✓
43	Little Ringed Plover	<i>Charadrius dubius</i>			1		1			✓
44	Northern Lapwing	<i>Vanellus vanellus</i>								✓

	Common name	Scientific name	May							
			4	5	6	7	8	9	10	11
45	Ruff	<i>Philomachus pugnax</i>								✓
46	Eurasian Curlew	<i>Numenius arquata</i>			1					
47	Common Redshank	<i>Tringa totanus</i>			1					✓
48	Spotted Redshank	<i>Tringa erythropus</i>								✓
49	Common Greenshank	<i>Tringa nebularia</i>								✓
50	Wood Sandpiper	<i>Tringa glareola</i>								✓
51	Common Sandpiper	<i>Actitis hypoleucos</i>			1		1			
52	Black-headed Gull	<i>Chroicocephalus ridibundus</i>			✓		✓			✓
53	Yellow-legged Gull	<i>Larus michahellis</i>		✓	✓		✓	✓	✓	✓
54	Common Tern	<i>Sterna hirundo</i>		1	✓					
55	Sandwich Tern	<i>Thalasseus sandvicensis</i>		1						
56	Little Tern	<i>Sternula albifrons</i>		1	1					
57	White-winged Tern	<i>Chlidonias leucopterus</i>			1					
58	Rock Dove - Feral Pigeon	<i>Columba livia</i>		2	✓		2	2	2	
59	Common Wood Pigeon	<i>Columba palumbus</i>	1	1						
60	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	✓	✓	✓		2		2	
61	European Turtle Dove	<i>Streptopelia turtur</i>		1	1		6	2	2	
62	Common Cuckoo	<i>Cuculus canorus</i>		H	1	H	H	1	H	H
63	Eurasian Scops Owl	<i>Otus scops</i>	H	H	H	H	H	H	1	
64	Common Swift	<i>Apus apus</i>	✓	1	✓	1			✓	✓
65	Pallid Swift	<i>Apus pallidus</i>							25	
66	Alpine Swift	<i>Tachymarptis melba</i>	✓	✓	8	✓	✓		✓	
67	European Bee-eater	<i>Merops apiaster</i>			✓		✓		✓	
68	Eurasian Hoopoe	<i>Upupa epops</i>			2	H				
69	Eurasian Wryneck	<i>Jynx torquilla</i>		H	H	H	H	2		
70	European Green Woodpecker	<i>Picus viridis</i>		1			1		1	
71	Grey-headed Woodpecker	<i>Picus canus</i>		1	1	H	1	H		
72	Great Spotted Woodpecker	<i>Dendrocopos major</i>		1	✓	✓	1	1	3	
73	Woodlark	<i>Lullula arborea</i>			2	✓	2		1	
74	Eurasian Skylark	<i>Alauda arvensis</i>					6	✓		
75	Red-rumped Swallow	<i>Cecropis daurica</i>			2				2	
76	Barn Swallow	<i>Hirundo rustica</i>	✓	✓	✓	✓	✓	✓	✓	✓
77	Common House Martin	<i>Delichon urbicum</i>		✓	✓	✓	✓	✓	✓	✓
78	Tawny Pipit	<i>Anthus campestris</i>							4	
79	Yellow Wagtail	<i>Motacilla flava</i>			3		1		4	
80	Grey Wagtail	<i>Motacilla cinerea</i>		2				1		
81	White Wagtail	<i>Motacilla alba</i>	✓	✓	✓	✓	✓	✓	✓	✓
82	Winter Wren	<i>Troglodytes troglodytes</i>		H				H		
83	European Robin	<i>Erithacus rubecula</i>		1	1	H	1			
84	Common Nightingale	<i>Luscinia megarhynchos</i>	H	H	1	H	1	H	H	
85	Black Redstart	<i>Phoenicurus ochruros</i>		2	✓	✓	✓	✓	1	
86	Common Redstart	<i>Phoenicurus phoenicurus</i>					1			
87	Whinchat	<i>Saxicola rubetra</i>			✓	✓	4	1	4	
88	European Stonechat	<i>Saxicola rubicola</i>					4			
89	Northern Wheatear	<i>Oenanthe oenanthe</i>					3			
90	Blue Rock Thrush	<i>Monticola solitarius</i>		3	✓	✓	2		1	
91	Common Blackbird	<i>Turdus merula</i>		✓	✓	✓	✓	✓	✓	✓
92	Fieldfare	<i>Turdus pilaris</i>						4		
93	Song Thrush	<i>Turdus philomelos</i>			✓	✓	✓	✓	✓	
94	Mistle Thrush	<i>Turdus viscivorus</i>			✓	✓	✓		✓	

	Common name	Scientific name	May							
			4	5	6	7	8	9	10	11
95	Cetti's Warbler	<i>Cettia cetti</i>			H					H
96	Zitting Cisticola	<i>Cisticola juncidis</i>							2	
97	Sedge Warbler	<i>Acrocephalus schoenobaenus</i>						H		
98	Marsh Warbler	<i>Acrocephalus palustris</i>						H		H
99	European Reed Warbler	<i>Acrocephalus scirpaceus</i>			H					
100	Great Reed Warbler	<i>Acrocephalus arundinaceus</i>			1			H		1
101	Melodious Warbler	<i>Hippolais polyglotta</i>			1	1	H		2	
102	Icterine Warbler	<i>Hippolais icterina</i>					1♂			
103	Subalpine Warbler	<i>Sylvia cantillans</i>				✓	2		✓	
104	Sardinian Warbler	<i>Sylvia melanocephala</i>							1	
105	Common Whitethroat	<i>Sylvia communis</i>			1	✓	2	✓	H	
106	Eurasian Blackcap	<i>Sylvia atricapilla</i>		H						
107	Common Chiffchaff	<i>Phylloscopus collybita</i>		H	H	✓	✓	✓	H	✓
108	Wood Warbler	<i>Phylloscopus sibilatrix</i>							1♂	
109	Spotted Flycatcher	<i>Muscicapa striata</i>		2	✓		H	2	H	
110	Long-tailed Tit	<i>Aegithalos caudatus</i>		6	✓	✓				
111	Marsh Tit	<i>Poecile palustris</i>		H				1		
112	Willow Tit	<i>Poecile montanus</i>						1		
113	Coal Tit	<i>Periparus ater</i>				H		H		
114	Eurasian Blue Tit	<i>Cyanistes caeruleus</i>		✓	✓	✓	✓	✓		
115	Great Tit	<i>Parus major</i>		✓	✓	✓	✓	✓	H	
116	Eurasian Nuthatch	<i>Sitta europaea</i>		2			H			
117	Eurasian Treecreeper	<i>Certhia familiaris</i>						1		
118	Short-toed Treecreeper	<i>Certhia brachydactyla</i>		3	✓	✓	✓	✓	2	
119	Eurasian Golden Oriole	<i>Oriolus oriolus</i>		H	✓	✓	✓	✓	✓	
120	Red-backed Shrike	<i>Lanius collurio</i>		2♂	✓	✓	✓	✓	✓	
121	Eurasian Jay	<i>Garrulus glandarius</i>		✓	✓	✓	✓	✓	✓	✓
122	Eurasian Magpie	<i>Pica pica</i>	1		✓			2	✓	✓
123	Western Jackdaw	<i>Corvus monedula</i>							1	
124	Hooded Crow	<i>Corvus cornix</i>	✓	✓	✓	✓	✓	✓	✓	✓
125	Northern Raven	<i>Corvus corax</i>		2	✓	✓	✓	5	✓	✓
126	Common Starling	<i>Sturnus vulgaris</i>	✓	✓	✓	✓	✓	✓	✓	✓
127	House Sparrow	<i>Passer domesticus</i>	✓	✓	✓	✓	✓	✓	✓	✓
128	Eurasian Tree Sparrow	<i>Passer montanus</i>								2
129	Common Chaffinch	<i>Fringilla coelebs</i>	✓	✓	✓	✓	✓	✓	✓	✓
130	European Serin	<i>Serinus serinus</i>		✓	✓	✓	✓	✓	✓	
131	European Greenfinch	<i>Chloris chloris</i>		✓	✓	✓	✓	✓	✓	
132	European Goldfinch	<i>Carduelis carduelis</i>		2	✓	✓	✓	✓	✓	
133	Common Linnet	<i>Linaria cannabina</i>					1		5	
134	Hawfinch	<i>Coccothraustes coccothraustes</i>		2			1		2	
135	Yellowhammer	<i>Emberiza citrinella</i>					H	1		
136	Black-headed Bunting	<i>Emberiza melanocephala</i>					1♂		4♂	
137	Cirl Bunting	<i>Emberiza cirlus</i>		✓	✓	✓	✓	✓	✓	✓
138	Rock Bunting	<i>Emberiza cia</i>					H			
139	Ortolan Bunting	<i>Emberiza hortulana</i>					2♂			
140	Common Reed Bunting	<i>Emberiza schoeniclus</i>						1♂		
141	Corn Bunting	<i>Emberiza calandra</i>		✓	✓	✓	✓	✓	✓	

Butterflies (I = lava)

1	Dingy Skipper	<i>Erynnis tages</i>		✓	✓	✓	✓	✓		
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	Common name	Scientific name	May								
			4	5	6	7	8	9	10	11	
2	Grizzled Skipper	<i>Pyrgus malvae</i>		✓	✓					✓	
3	Southern Festoon	<i>Zerynthia polyxena</i>		✓					✓		
4	Scarce Swallowtail	<i>Iphiclides podalirius</i>		✓	✓	✓					
5	Swallowtail	<i>Papilio machaon</i>		✓	✓	✓	✓	✓	✓	✓	
6	Wood White	<i>Leptidea sinapis</i>		✓	✓	✓	✓	✓	✓	✓	
7	Green-veined White	<i>Pieris napi</i>			✓						
8	Eastern Bath White	<i>Pontia edusa</i>		✓				✓			
9	Orange Tip	<i>Anthocharis cardamines</i>		✓	✓	✓	✓	✓	✓		
10	Berger's Clouded Yellow	<i>Colias alfacariensis</i>			✓					✓	
11	Clouded Yellow	<i>Colias crocea</i>		✓				✓			
12	Black-veined White	<i>Aporia crataegi</i>		✓(L)	✓(L)			✓(L)		✓(L)	
13	Brimstone	<i>Gonepteryx rhamni</i>		✓							
14	Green Hairstreak	<i>Callophrys rubi</i>		✓	✓	✓	✓			✓	
15	Sooty Copper	<i>Lycaena tityrus</i>		✓							
16	Little Blue	<i>Cupido minimus</i>		✓		✓					
17	Brown Argus	<i>Aricia agrestis</i>		✓	✓						
18	Holly Blue	<i>Celastrina argiolus</i>				✓					
19	Chequered Blue	<i>Scolitantides orion</i>		✓							
20	Eastern Baton Blue	<i>Pseudophilotes vicrama</i>		✓		✓	✓				
21	Reverdin's Blue	<i>Plebejus argyrognomon</i>			✓						
22	Common Blue	<i>Polyommatus icarus</i>		✓	✓				✓		
23	Adonis Blue	<i>Polyommatus (Lysandra) bellargus</i>		✓	✓	✓			✓		
24	Southern White Admiral	<i>Limnitis reducta</i>		✓							
25	Peacock Butterfly	<i>Inachis io</i>		✓							
26	Red Admiral	<i>Vanessa atalanta</i>			✓	✓			✓	✓	
27	Painted Lady	<i>Vanessa cardui</i>				✓				✓	
28	Comma Butterfly	<i>Polygonum c-album</i>				✓				✓	
29	Marbled Fritillary	<i>Brenthis daphne</i>		✓(L)							
30	Glanville Fritillary	<i>Melitaea cinxia</i>		✓							
31	Marsh Fritillary	<i>Euphydryas aurinia</i>		✓	✓	✓					
32	Speckled Wood	<i>Pararge aegeria</i>		✓	✓	✓					
33	Small Heath	<i>Coenonympha pamphilus</i>		✓	✓	✓					
34	Wall Brown	<i>Lasiommata megera</i>	✓		✓	✓	✓				
32	Large Wall Brown	<i>Lasiommata maera</i>			✓		✓				