

Wild Slovenia in Spring

Naturetrek Tour Report

4 - 11 June 2019



Glanville Fritillary



Mountain Pasque Flower



Squacco Heron



Malacosoma franconicum caterpillars

Report Paul Tout & Domen Stanič
Images by Paul Tout



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Tour participants: Paul Tout and Domen Stanič (leaders) with 14 Naturetrek clients

Day 1

Tuesday 4th June

Stansted to Ljubljana & transfer to Žerovnica

Flight EZY 3245 from Stansted airport arrived a little behind schedule and the group was met by Paul Tout and Domen Stanič, our local guides. It was a short walk to the vans, with the weather warm and humid, and we set off for our accommodation for the week, the Logar Farm Stay in Žerovnica, about an hour away. Arriving just after 6pm, we settled into our rooms with dinner an hour later.

Day 2

Wednesday 5th June

Žerovnica, Slivnica, Gorenje Jezero, Otok and return round the lake.

Today the good weather allowed us to orientate ourselves in the area around our hotel which is set on the eastern shore of of Lake Cerknica in the Notrajska region of southern Slovenia, close to the border with Croatia. This sparsely populated part of the country has hot, humid summers and bitterly cold winters and is renowned for its extensive forests and dairy industry, producing much of the milk and cheese in Slovenia.

The keenest participants were up early to check the track down to the lake. Red-backed Shrike, as usual, were common but Wrynecks seem rather scarce in this area this year. Many were surprised to see Fieldfares nesting along the stream close to the village. This is a northern bird in western Europe and in Scandinavia but in the eastern part of the continent its range extends right down into Romania. A Green Sandpiper was also seen, not a common bird in June at these latitudes.

After breakfast we made our way down to the lake through the beautiful hay-meadows filled with various scabiouses and Meadow Clary. Getting out of the vehicles we were treated to excellent views of three Red-footed Falcons. These non-breeders often spend a few weeks around the lake, arriving back at their natal colonies in Hungary and Romania in mid-June. Although we had a dry week, there had been an enormous amount of rain in the preceding month and we found the lake at record levels for the time of year, with vast areas of the meadows under water, a scene more usual in the winter. The high water had concentrated many of the birds close to us, including a drake Garganey, but the rarest birds seen were a pair of Gull-billed Terns, spotted by Domen, patrolling the lake in the company of a flock of non-breeding Black-headed Gulls. The heavy rain has washed out many of the pairs at Italian colonies this spring and failed breeders have been spotted in various out-of-the-way places. Being aerial insect-feeders, the month of June offers easy pickings for this species in southern Europe. One bird seen soaring was initially identified as a Black Stork but eventually proved to be a Great Cormorant, the only one seen during the week. Songbirds seen including the usual Skylarks, Whinchats, Tree Pipits, Marsh Warblers and Yellow Wagtails. Flora observed in the low, wet, nutrient-poor grassland included Clustered Bellflower (*Campanula glomerata*) and Early Marsh Orchid (*Dactylorhiza incarnata* subsp. *pulchella*).

Our next stop was a visit to the 1,114-metre peak of Slivnica that overlooks Žerovnica and which provided splendid views across the lake. Birds were rather scarce but in spite of the wind the flowers were excellent and included Globularia *Globularia punctata*, Burnt Orchid (*Neotinea ustulata*), Early Purple (*Orchis mascula*), Globe (*Traunsteinera globosa*) and Fragrant Orchids (*Gymnadenia conopsea*). In the woodlands there were three species of

Solomon's-seal: Common (*Polygonatum multiflorum*), Angular (*P. odoratum*) and Whorled (*P. verticillatum*) and a large stand of Henbane-bell (*Scopolia carniolica*) a close relative of Deadly Nightshade and almost as poisonous, the fruit of which is full of the alkaloid hyoscyne (also known as scopolamine). Even bumblebees visiting the flower are temporarily anaesthetized! The genus was named by the early botanist Baron Nikolaus von Jacquin (1727 – 1817) in 1764 in honour of the naturalist Giovanni Scopoli, a physician from Trento employed to treat the mercury miners of nearby Idrija and who collected and described many new plant and animal species in these forests in what was then the Austrian province of Carniola. Butterflies seen included Chequered Skipper, Woodland Ringlet and Sooty Copper.

Our next stop was at the village of Gorenje Jezero to observe a White Stork nest, a parent flying in with some detritus to line the nest. This year there appeared to be only a single chick in the nest compared to four or five in 2018. Other nests in the area also seem to have few chicks or none at all and the reason would appear to be the poor spring weather in central Europe in 2019. Stopping at the nearby bridge for lunch, we looked out across the lake, which was extraordinarily high, causing problems for the birds which usually breed in the inundated fen vegetation. Birds seen and heard included a very dull-brown Common Rosefinch in song plus both Garden and Sedge Warbler, but plants and butterflies were scarce.

We stopped next on the island of Otok (which means 'island') - the Slovenes are nothing if not functional in their place-names - an area of high ground set within the lake and examined the rich woodland flora included the strange Balkan shrub, the Bladdernut (*Staphylea pinnata*) and the umbellifer Haquetia (*Haquetia epipactis*), a plant genus named by Scopoli after the Carniolan scientist and polymath Belsazar de la Motte Hacquet, who was a colleague of Scopoli's at the Idrija mercury mines for a brief period.

By now the time was getting on and we made our way around the lake and back towards Žerovnica. The weather today was warm and humid, with a maximum temperature of 25°C. There was occasional cloud, and it was breezy later.

Day 3

Thursday 6th June

Nr. Koritnica, Volovja Reber

The weather today was warm and less humid, with a maximum of 23°C. There was occasional cloud, and it was breezy later. One remarkable observation was made before breakfast by two participants up for an early morning walk at 6am: two Grey Wolves close to the lake running across their path at a distance of about 150 metres! Wolves (more than 100) and Brown Bears (more than 1,000) have increased enormously in Slovenia in recent years and predation on domestic animals is now an issue. In mid-June 2019 the Slovenian Department of Agriculture approved the killing of 11 wolves and 200 bears this autumn, in an attempt to control their populations, although these numbers remain below the natural increase rate for either species.

Today, with the good weather persisting and the late spring, we visited the forested area west of the lake towards the town of Koritnica near Pivka. Our first stop was along the road to examine a fine stand of Military Orchids (*Orchis militaris*). Several Fly Orchids (*Ophrys insectifera*) were also noted, while birds noted included one of the few Cirl Buntings of the week.

From here we moved on to the forests at about 700 metres above sea level. Last year in early June, one of the few Lady-slipper Orchid (*Cypripedium calceolus*) colonies in the Slovenian Dinaric Alps had already finished flowering but this time they were just coming into bloom with a single flower already fully open. We counted 22 plants this year and they seemed to have spread to some new spots along the road. Another species seen close by were several lovely Coralroot Orchids (*Corallorhiza trifida*) as well as other nice plants such as Christmas Rose (*Helleborus niger*). In the more open areas, there were plenty of butterflies such as Small, Adonis and Mazarine Blues, Pearl-bordered and Glanville Fritillaries together with large numbers of Dingy Skippers. Plants included a single Poet's Narcissus (*Narcissus poeticus*) still in flower and a handful of Lesser Butterfly Orchids (*Platanthera bifolia*).

We had lunch on the picnic tables of the local hunting club headquarters set in a lovely clearing in the woods after which we moved to Volovja Reber, a mountain about 10 kilometres away towards the town of Ilirska Bistrica. This area has been subject to severe abandonment in recent years but is now being grazed with help from EU subsidies. These open grasslands support one of Slovenia's very few pairs of tree-nesting Golden Eagle and a decade ago were threatened by a windfarm project but are now within the country's Natura 2000 network. Within just a few minutes an adult Golden Eagle appeared, mobbed by a Common Buzzard and flying along the slope above about 800 metres away, staying in view for several minutes. Later, from the same direction, a Short-toed Eagle arrived, flying over the group. Other birds seen and heard in the beautiful setting included Crested Tit, Wryneck, Nightjar (heard, by day, in full sunshine), Lesser Whitethroat (heard), Yellowhammer, Wheatear, Red-backed Shrike, Crested Tit and Common Crossbill. A wide range of butterflies were seen including Berger's Clouded Yellow, False Heath Fritillary, Spotted Fritillary (larva) and Grizzled Skipper.

The broad Karst grasslands below Volovja had large stands of the Steppe-grass *Stipa eriocaulis*, the long silky glumes giving it the local name of "Fairies' Flax" many languages. Flowers seen included Globularia (*Globularia punctata*), Silky Greenweed (*Genista sericea*), Horseshoe Vetch (*Hippocrepis comosa*), Dittany (*Dictamnus albus*) and Common Rock-rose (*Helianthemum nummularium*), Swallow-wort (*Vincetoxicum hirundinaria*), Smokebush (*Cotinus coggygria*) and Rue (*Ruta graveolens*). One interesting species seen, and something of a surprise, were some lovely plants of Alpine Daphne (*Daphne alpina*) at quite a low altitude. Orchids included Burnt, Three-toothed (*Anacamptis tridentata*), Green-winged (*Anacamptis morio*) and Fly Orchid and we also noted a few plants of Mountain Kidney-vetch (*Anthyllis montana*).

We made our way back slowly along the road and back towards Žerovnica, stopping to examine some splendid fields of Yellow Rattle (*Rhinanthus* sp.) accompanied by the song and brief views of Barred Warbler.

Day 4

Friday 7th June

Bloke & the Iška River

Today was warm and breezy (maximum 25°C) with occasional cloud. An early morning walk down to the lake produced some nice birds, particularly on a patch of newly-cut grass close to the lake and included Whinchats, Skylarks, Linnets, a Reed Bunting and a male Yellow Wagtail exhibiting the blackish head of the Balkan subspecies *feldegg* feeding on the cut vegetation. Marsh Warbler was also seen, and a Common Snipe was heard drumming.

Our trip today was largely a botanical one to the area of peatbogs at Bloke and along the Iška River, both famous sites for plants in Slovenia. Our first stop was close to the small town of Velike Bloke where drainage obstructed by the road has produced a splendid wet flush rich in plants of wet alkaline meadows including Bogbean (*Menyanthes trifoliata*), Marsh Lousewort (*Pedicularis palustris*) and Broad-leaved Cotton-grass (*Eriophorum latifolium*) and several Downy Emerald damselflies which were struggling in the stiff breeze. In spite of some breezy conditions, there were also some butterflies, including Marsh and False Heath Fritillaries, and Adonis and Small Blues. The wind made birdwatching difficult and only Red-backed Shrike and Tree Pipit stood out. Moving on along the track we obtained some cover from the trees and began to see both some further butterflies such as Chequered Skipper, Woodland Ringlet and Knapweed Fritillary. There was also an interesting of different plants including Martagon Lily (*Lilium martagon*, not yet in flower), the green hellebore *Helleborus multifidus*, Fly Honeysuckle (*Lonicera xylosteum*) and Herb-Paris (*Paris quadrifolia*). Both White (*Cephalanthera damasium*) and Sword-leaved Helleborines (*C. longifolia*) were simultaneously in flower in a rich hedgerow running down along the lane, together with Bird's-nest Orchid (*Neottia nidus-avis*).

Reaching the main stream, we encountered large numbers of male butterflies, mostly 'blues', puddling. It took some time to tentatively identify all the species involved but they included Grizzled and Dingy Skippers, Amanda's, Mazarine and Small Blues and, the star of the show, the Mountain Argus (*Aricia allous*), a close relative (or merely a subspecies of) the Northern Argus (*Aricia artaxerxes*). Sparrowhawk was added to the list in the calmer conditions. One strange observation was a wandering flock of Bee-eaters far from the nearest colonies, which flew over as we were having lunch. Perhaps these too had lost their nests in the recent torrential rain. Paul and Domen heard Nutcracker as they returned to collect the vehicles, but the birds remained stubbornly silent in the presence of the group. The main stream contained a large number of small to medium-sized fish that appeared to be a species of Chub.

After lunch we moved a short distance away to the gorge of the River Iška, a beautifully intact ecosystem with some interesting plants and butterflies. Unfortunately, spring had been extremely late in 2019 and, arriving at the cooler part of the gorge, we discovered the vegetation and butterflies were several weeks behind 2018, and little was seen. Excellent views were obtained of Honey Buzzard while interesting plants included the Yellow Day-lily (*Hemerocallis lilioasphodelus*) and the beautiful Dinaric endemic umbellifer *Laserpitium archangelica* described in 1786 by the Austrian botanist priest Franz Xaver von Wulfen (1728-1805), another contemporary of Scopoli and Haquet and active especially in the eastern Alps. This plant seemed particularly attractive to Duke of Burgundy butterflies which seemed very calm and much less flighty than usual when nectaring on this plant. Down in the gorge there were several Pearl-bordered Fritillaries on the wing, but apart from those, there were few butterflies to be seen. All along the track beside the stream there were Stoneflies on the wing showing the purity, high oxygen levels and coldness of the water. A Small Argent and Sable moth (*Epirrboe tristata*) was also seen feeding with the Duke of Burgundies on a planted garden *Cotoneaster* beside a small hut close to the stream.

By now it was time to head back to Žerovnica. After dinner we went down to the lake to listen for Corncrakes. It was rather breezy and only one was heard but two Spotted Crake and a Quail were also heard. The road close to the lake was covered with an extraordinary number of Common Toad and 'beaters' were needed to clear the path for us.

Day 5

Saturday 8th June

Mt. Javorniki, Otok, Martinjak.

The early morning walk was interesting for one participant, rewarded by a Black Stork on the stream close to our accommodation. This species is inexplicably rare this year. It was seen almost daily in 2018 and as many as five birds together.

It was warm and breezy again today, with a maximum temperature of 28°C. Today was a tough day in birdwatching terms in the woods of Mt. Javorniki above the lake. Birding in forests is never easy, especially in a group but becomes very difficult indeed in the month of June when many of the interesting species have already finished breeding. Today we searched a couple of sites for Ural Owl without any joy, although Cuckoo was heard and Goldcrest and Firecrest were seen, albeit poorly. Finally, as we began our return towards the lake for lunch, first a newly fledged juvenile and then an adult Ural Owl flew from trees beside the road down the hill, landing about 75 metres away. We stopped and Paul and Domen soon picked up the juvenile perched in full view and later the adult as well. Good views were had by all through the telescopes and the birds seemed little concerned by our presence. A fresh pellet, still wet and evidently produced by one of the birds, was found on the road. It contained the bones of a mole's paw, a gruesome find indeed! What was even more incredible was that a pair of very bold Great Tits seemed absolutely intent on collecting (grey) hair as nest material from one of the participants and which, when left to their own devices, began to collect the fur in the pellet and take it away to line their nest! Excellent views were also obtained of a singing male Firecrest, a common species in these forests of Beech and White Fir.

By now the time was getting on and we made our way down to Otok once again to take a look from the viewpoint across the lake. Splendid as it was, with the high water levels there were no places for birds to land and rest, any birds present were very far away and the only bird of note seen perching on a distant post was a Gull-billed Tern. Lunch was beneath the cool roof of an open sided barn set in a lovely clearing in the presence of several Hairy Hawker dragonflies, one of the few species that seems able to cope with the fluctuating water levels in the lake.

Moving on around the lake we stopped briefly near Dolenje Jezero but were again defeated by the extremely high water levels which even covered the road. One compensation came in the form of a beautiful, pale adult White-tailed Eagle that soared over the group, its underparts and head showing almost white as it circled. A pair breeds not far away and regularly hunts at the lake. Our final stop was at a spot close to where we had been defeated on our first full day by the road having been damaged by traffic and water. Now, however, we had time to make our way there on foot, crossing the open meadows with magnificent displays of Bog Orchid (*Orchis palustris*) and other wetland species. This was mid-afternoon and the weather was very hot and so few birds were seen or heard but there were various butterflies on the wing, not the hoped-for Large Coppers but several of the Purple-edged variety (*Lycaena hippothoe*)

Day 6

Sunday 9th June

Senožeče, Vremščica.

Today we headed westwards towards the Italian border. Here the climate is hotter and drier (the maximum temperature today was 29°C) and we hoped to find the season more advanced, as indeed it proved. Farming in

the area with thin soils around the town of Senožeče largely revolves around pastoralism and the low production of grass means there is little cutting for silage and a large number of late cut hay-meadows.

At our first stop, an area of about 300 hectares of meadows with both grazing and hay-cutting, we were immediately treated to excellent views of a Short-toed Eagle hunting the open grasslands dotted with good numbers of two of the last orchids of spring, the Burnt and the Fragrant Orchids set in vast areas of Yellow Rattle (*Rhinanthus* sp.) speckled with the seedheads of Poet's Narcissus, Mountain Pasqueflower (*Anemone montana*) and Green-winged Orchid as well as the flowers of Bloody Pink (*Dianthus sanguineus*) and Perennial Flax (*Linum narbonense*). Birds included Red-backed Shrike and Skylark, Kestrel and Common Buzzard. But the stars of the show were the large numbers of butterflies which 'came out to play' as the wind dropped in late morning including Marsh, Glanville, Knapweed and Twin-spot Fritillaries, Black-veined White, Clouded and Berger's Clouded Yellows, Woodland Ringlet and Pearly Heath, Amanda's, Small and Adonis Blues, Scarce Swallowtail and both Grizzled and Dingy Skipper. On the handful of Sessile Oaks (*Quercus petraea*) several plants of the deciduous Yellow-bellied Mistletoe (*Loranthus europaeus*) were seen. This species is used to flavour grappa in Slovenia and Croatia!

Lunch was taken on top of a hill overlooking the meadows. As we settled down to our lunch a Short-toed Eagle was seen close by carrying a snake in its beak as it headed north-east, perhaps towards a nest. Other birds seen and heard around the lunch spot included Woodlark, Hawfinch, Wryneck, Golden Oriole and Barred Warbler while Green Lizard was added to the herpetological list. One interesting aspect of the lunch spot was an electric fence enclosing a herd of goats guarded by a trio of huge Pyrenean Mountain Dogs. The area is subject to the regular presence of wolves and jackals and thus the dogs are an increasingly necessary accessory to pastoralism in isolated areas around the northern Adriatic. As we left a pair of broad-winged raptors rose from the meadows. One was the Common Buzzard we had seen earlier but the other was a Honey Buzzard, providing a perfect opportunity to compare and contrast these sometimes-confused species.

Following lunch, we had time to visit the nearby Vremščica, a 1000-metre mountain and one of the peaks of the Dinaric mountain chain stretching parallel to the eastern Adriatic coast from the Julian Alps and all the way down to Albania. The cooler, wetter conditions here had re-wound the spring a little and we were still able to see Wild Peony (*Paeonia officinalis*) and White Asphodel (*Asphodelus albus*) in flower, together with a beautiful plant of Carniolan Lily (*Lilium carniolicum*) in perfect bloom while there were still a few Poet's Narcissus hanging on. Not yet in bloom, however, were the large rosettes of Great Yellow Gentian (*Gentiana lutea*). By now it was extremely hot and so we moved down to a breezier and shadier area lower down the mountain with plenty of False Heath Fritillaries and Woodland Ringlets on the wing. Several Honey Buzzards were observed soaring, perhaps also escaping the afternoon heat.

By now it was beginning to get late and time to head back towards Žerovnica.

Day 7

Monday 10th June

Planinsko polje, Planina cave, Rakov Škocjan canyon

This was our last full day in Slovenia and we visited a lower area of *polje* where the River Rak (which we would visit later in the day) re-emerges from underground as the River Unica (having crossed the *polje* it passes underground yet again close to Jakovica to the north, to emerge close to the capital as the River Ljubljanica,

feeding eventually into the Sava, the Drava, the Danube and the Black Sea). Planinsko polje was once a superb area both for birds and plants but has suffered from agricultural intensification in recent years with the production of silage and the use of heavy machinery on the delicate peat-based soils. This has led to a decline in the meadows of high natural history interest but there are still many patches rich in biodiversity. On our way to the meadows we passed the Planina pair of White Storks which have no chicks this year as a result of the terrible spring. They usually manage to fledge three or four.

As we crossed the *polje* it was clear that here much of the grass had already been cut and baled for silage. We saw the 'usual suspects' amongst the birdlife including Whinchat, Yellowhammer, Tree Pipit, Red-backed Shrike and Barred Warbler. The wet meadows, however, were rich in flora including the only site in Slovenia for the Amethyst Meadow or Dalmatian Squill (*Scilla litardierei*), Wild Gladiolus (*Gladiolus illyrica*), Bog Orchid and Siberian Iris (*Iris sibirica*). A Corncrake was heard calling, but butterflies were few and far between with only common species seen.

From here we moved the brief distance to the short gorge and the cave where the River Unica emerges from underground. In the month of June this beautiful spot was always a good bet for the Hungarian Glider butterflies and today was no exception; a lovely specimen was seen on the brambles and Elder close to the river. Its larval foodplant, Goat's-beard Spiraea (*Aruncus dioicus*) is abundant here. Lots of ferns were seen along the mill-stream off the main river, including enormous numbers of Hart's-tongue (*Asplenium scolopendrium*). Another interesting group of plants we saw today at various sites were all three species of spindle: Common (*Euonymus europaeus*), Broad-leaved (*E. latifolia*) and Warty Spindle (*E. verrucosa*). The very powerful flow had conspired to move the local Dippers further downstream, but we did manage to see Grey Wagtails. A huge Aesculapian Snake about 1 metre 20 long disturbed the lunch preparation procedures and during lunch itself a Spotted Flycatcher was noted nesting in a transformer on a short electricity pylon!

Our final stop of the day, "up-river" and closer to Žerovnica, was in the gorge of Rakov Škocjan where the River Rak plunges into the Weaver's Cave where we saw the natural bridge where the river passes right through the limestone and under the road. By now it was over 30°C and we stopped at the Rakov Škocjan Hotel for ice creams, drinks and coffees. Our final stop was further down the river where the braver or foolhardier participants followed the steep path down into gorge and along the famous "cutting and covered" sections, some open to the sky, others through short stretches of cave. Paul and Domen had thought that it would be cooler close to the river, but down in the gorge the humidity was close to 100% and the temperatures still in the high 20s, but everyone agreed that the spectacle was worth it.

By the time we emerged, sweating and puffing, onto the road close to the vans it was already time to make our way back to our accommodation and a well-earned shower.

Day 8

Tuesday 11th June

Jezersko & Ljubljana airport.

This was our last day and we said our goodbyes to Ivanka and Romana at the Logar farm and were on the road by 9am, destination Jezersko in the Kamnik Alps, about 40 minutes north of the airport. This is one of the finest spots in Slovenia for Lady's-slipper Orchids and somewhere cool and shady to spend our time while we waited for the flight. It was sunny and cooler (24°C), although it clouded up later. There were already some beautiful

specimens to see and photograph at the car park but Domen took the group up the hill, where a large number of orchids had flowered in 2018, and other rare plants such as Alpine Clematis (*Clematis alpina*) and Coralroot Orchid are present in some numbers; Paul stayed close to the vans to look after the luggage and prepare the early-ish lunch. Further along the track were clearings with hundreds of Lady's-slippers. Birds seen and heard included Willow Tit and Black Woodpecker.

By now it was time to make our way to the airport not far away, arriving just before 3pm for the 4.45pm flight. The week had been kind to us in weather terms, a little "late" in climate terms compared with what had been anticipated and perhaps rather windy in the earlier part of the week but this at least had served to keep the temperatures down. There were some very severe hailstorms (and even a huge factory fire) in the area of Žerovnica and Cerknica during the afternoon, delaying the flights for an hour or so but we had managed to avoid them, for which we should be grateful.

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Species Lists

Birds (✓=recorded but not counted; H = heard only; LO = leader only)

	Common name	Scientific name	June							
			4	5	6	7	8	9	10	11
1	Mute Swan	<i>Cygnus olor</i>		✓	✓	✓	✓	✓		
2	Garganey	<i>Spatula querquedula</i>		✓						
3	Mallard	<i>Anas platyrhynchos</i>		✓	✓	✓	✓	✓	✓	✓
4	Common Quail	<i>Coturnix coturnix</i>						H	H	
5	Little Grebe	<i>Tachybaptus ruficollis</i>		✓			✓		H	
6	Great Crested Grebe	<i>Podiceps cristatus</i>		✓			✓			
7	Black Stork	<i>Ciconia nigra</i>					✓		✓	
8	White Stork	<i>Ciconia ciconia</i>	✓	✓	✓	✓	✓	✓	✓	✓
9	Eurasian Bittern	<i>Botaurus stellaris</i>			H	H	H	H	H	H
10	Grey Heron	<i>Ardea cinerea</i>		✓	✓	✓	✓	✓	✓	✓
11	Purple Heron	<i>Ardea purpurea</i>						✓		
12	Great Egret	<i>Ardea alba</i>		✓		✓	✓	✓	✓	
13	European Honey Buzzard	<i>Pernis apivorus</i>				✓		✓	✓	
14	Short-toed Snake Eagle	<i>Circaetus gallicus</i>			✓			✓		
15	Golden Eagle	<i>Aquila chrysaetos</i>			✓					
16	Eurasian Sparrowhawk	<i>Accipiter nisus</i>				✓				
17	White-tailed Eagle	<i>Haliaeetus albicilla</i>					✓			
18	Common Buzzard	<i>Buteo buteo</i>	✓	✓	✓	✓	✓	✓	✓	✓
19	Water Rail	<i>Rallus aquaticus</i>		H	H	H	H			
20	Corn Crake	<i>Crex crex</i>		H	H	H	H	H	H	H
21	Spotted Crake	<i>Porzana porzana</i>				H				
22	Eurasian Coot	<i>Fulica atra</i>		H			H			
23	Green Sandpiper	<i>Tringa ochropus</i>		✓					✓	
24	Common Snipe	<i>Gallinago gallinago</i>			H	H		✓		
25	Black-headed Gull	<i>Chroicocephalus ridibundus</i>		✓	✓				✓	
26	Mediterranean Gull	<i>Ichthyaetus melanocephalus</i>							✓	
27	Yellow-legged Gull	<i>Larus michahellis</i>		✓	✓		✓	✓	✓	✓
28	Lesser Black-backed Gull	<i>Larus fuscus</i>		✓			✓			
29	Gull-billed Tern	<i>Gelochelidon nilotica</i>		✓			✓			
30	Rock Dove	<i>Columba livia var. domestica</i>	✓	✓	✓	✓	✓	✓	✓	✓
31	Common Wood Pigeon	<i>Columba palumbus</i>		✓	✓	✓	✓	✓	✓	✓
32	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	✓	✓		✓	✓	✓	✓	✓
33	Common Cuckoo	<i>Cuculus canorus</i>		H	H	✓	H	H	✓	H
34	Ural Owl	<i>Strix uralensis</i>	L.O							
35	Little Owl	<i>Athene noctua</i>	L.O				✓			
36	European Nightjar	<i>Caprimulgus europaeus</i>			H					
37	Alpine Swift	<i>Tachymarptis melba</i>						✓		
38	Common Swift	<i>Apus apus</i>		✓	✓		✓	✓	✓	✓
39	European Bee-eater	<i>Merops apiaster</i>				✓				
40	Eurasian Hoopoe	<i>Upupa epops</i>						✓		
41	Eurasian Wryneck	<i>Jynx torquilla</i>			✓			H	✓	
42	Great Spotted Woodpecker	<i>Dendrocopos major</i>		✓	✓	✓	✓	✓	✓	✓
43	Black Woodpecker	<i>Dryocopus martius</i>								✓
44	Grey-headed Woodpecker	<i>Picus canus</i>							✓	
45	Common Kestrel	<i>Falco tinnunculus</i>	✓	✓	✓	✓	✓	✓	✓	✓
46	Red-footed Falcon	<i>Falco vespertinus</i>		✓	✓				✓	
47	Eurasian Hobby	<i>Falco subbuteo</i>			✓	✓	✓	✓	✓	✓

	Common name	Scientific name	June							
			4	5	6	7	8	9	10	11
48	Red-backed Shrike	<i>Lanius collurio</i>	✓	✓	✓	✓	✓	✓	✓	✓
49	Eurasian Golden Oriole	<i>Oriolus oriolus</i>		✓	✓	✓	H	✓	H	H
50	Eurasian Jay	<i>Garrulus glandarius</i>		✓	✓	✓	✓	✓	✓	
51	Eurasian Magpie	<i>Pica pica</i>	✓	✓	✓	✓	✓	✓	✓	✓
52	Spotted Nutcracker	<i>Nucifraga caryocatactes</i>			H					H
53	Hooded Crow	<i>Corvus cornix</i>	✓	✓	✓	✓	✓	✓	✓	✓
54	Northern Raven	<i>Corvus corax</i>		✓	✓		✓	✓	✓	✓
55	Coal Tit	<i>Pariparus ater</i>			✓	✓	H			H
56	European Crested Tit	<i>Lophophanes cristatus</i>			✓	✓				H
57	Marsh Tit	<i>Poecile palustris</i>				✓			✓	
58	Willow Tit	<i>Parus montanus</i>								✓
59	Eurasian Blue Tit	<i>Cyanistes caeruleus</i>		✓	✓	✓		✓	✓	
60	Great Tit	<i>Parus major</i>		✓	✓	✓	✓	✓	✓	
61	Woodlark	<i>Lullula arborea</i>				✓			✓	
62	Eurasian Skylark	<i>Alauda arvensis</i>		✓	✓	✓	✓	✓	✓	✓
63	Barn Swallow	<i>Hirundo rustica</i>	✓	✓	✓	✓	✓	✓	✓	✓
64	Common House Martin	<i>Delichon urbicum</i>	✓	✓	✓	✓	✓	✓	✓	✓
65	Long-tailed Tit	<i>Aegithalos caudatus</i>		✓						
66	Common Chiffchaff	<i>Phylloscopus collybita</i>		✓	H	H	H		H	H
67	Great Reed Warbler	<i>Acrocephalus arundinaceus</i>		H		H	H			H
68	Sedge Warbler	<i>Acrocephalus schoenobaenus</i>		H			H	✓	H	
69	Marsh Warbler	<i>Acrocephalus palustris</i>		H	✓	✓	✓	✓	✓	H
70	Melodious Warbler	<i>Hippolais polyglotta</i>		H						
71	Eurasian Blackcap	<i>Sylvia atricapilla</i>		✓	✓	✓	H	✓	✓	H
72	Garden Warbler	<i>Sylvia borin</i>		✓					H	
73	Barred Warbler	<i>Sylvia nisoria</i>			✓			✓	✓	
74	Lesser Whitethroat	<i>Sylvia curruca</i>			H	H				
75	Common Whitethroat	<i>Sylvia communis</i>		✓			✓		✓	
76	Common Firecrest	<i>Regulus ignicapilla</i>			H		✓		H	H
77	Goldcrest	<i>Regulus regulus</i>			H		✓			H
78	Eurasian Wren	<i>Troglodytes troglodytes</i>		H		✓	H		H	H
79	Eurasian Nuthatch	<i>Sitta europaea</i>		H	H	✓	✓	✓	✓	H
80	Eurasian Treecreeper	<i>Certhia familiaris</i>								✓
81	Short-toed Treecreeper	<i>Certhia brachydactyla</i>			✓	✓				
82	Common Starling	<i>Sturnus vulgaris</i>	✓	✓	✓	✓	✓	✓	✓	✓
83	Common Blackbird	<i>Turdus merula</i>	✓	✓	✓	✓	✓	✓	✓	✓
84	Fieldfare	<i>Turdus pilaris</i>		✓	✓	✓	✓	✓	✓	✓
85	Song Thrush	<i>Turdus philomelos</i>		✓	H	✓	✓	✓	✓	✓
86	Mistle Thrush	<i>Turdus viscivorus</i>		✓	✓	✓	✓	✓	✓	✓
87	Spotted Flycatcher	<i>Muscicapa striata</i>		✓		✓		✓	✓	
88	European Robin	<i>Erithacus rubecula</i>		H	H	H	H		H	H
89	Black Redstart	<i>Phoenicurus ochruros</i>		✓	✓	✓	✓	✓	✓	✓
90	Whinchat	<i>Saxicola rubetra</i>		✓	✓	✓	✓	✓	✓	✓
91	Northern Wheatear	<i>Oenanthe oenanthe</i>			✓					
92	White-throated Dipper	<i>Cinclus cinclus</i>							H	✓
93	House Sparrow	<i>Passer domesticus</i>	✓	✓	✓	✓	✓	✓	✓	✓
94	Eurasian Tree Sparrow	<i>Passer montanus</i>		✓	✓	✓		✓	✓	
95	Western Yellow Wagtail	<i>Motacilla flava feldegg/cinereocapilla</i>		fel/cin		cin	cin	cin	cin	cin
96	Grey Wagtail	<i>Motacilla cinerea</i>		H				H	✓	✓
97	White Wagtail	<i>Motacilla alba</i>	✓	✓	✓	✓	✓	✓	✓	✓

	Common name	Scientific name	June							
			4	5	6	7	8	9	10	11
98	Tree Pipit	<i>Anthus trivialis</i>		✓	✓	✓	✓	✓	✓	✓
99	Common Chaffinch	<i>Fringilla coelebs</i>		✓	✓	✓	✓	✓	✓	✓
100	Hawfinch	<i>Coccothraustes coccothraustes</i>		H				✓	✓	
101	Eurasian Bullfinch	<i>Pyrrhula pyrrhula</i>		H						✓
102	Common Rosefinch	<i>Carpodacus erythrinus</i>		✓						
103	European Greenfinch	<i>Chloris chloris</i>		✓	✓	H		✓	✓	
104	Common Linnet	<i>Linaria cannabina</i>		✓	✓	✓	✓	✓		✓
105	Red Crossbill	<i>Loxia curvirostra</i>			✓		H			
106	European Goldfinch	<i>Carduelis carduelis</i>		✓	✓	✓	✓	✓	✓	✓
107	European Serin	<i>Serinus serinus</i>		✓	H	✓	✓		✓	✓
108	Corn Bunting	<i>Emberiza calandra</i>		H	✓			✓	✓	
109	Yellowhammer	<i>Emberiza citrinella</i>		H	✓		✓		✓	
110	Rock Bunting	<i>Emberiza cia</i>			L.O					
111	Cirl Bunting	<i>Emberiza cirlus</i>			H			H		
112	Common Reed Bunting	<i>Emberiza schoeniclus</i>		✓	✓		✓	✓		

Mammals (F = faeces; D = Dead; R = Rooting)

1	Western / Balkan Hedgehog	<i>Erinaceus europaeus / concolor</i>			D	D	D	D		
2	Leisler's Bat*	<i>Nyctalus leisleri</i>					F			
3	Grey Wolf	<i>Canis lupus</i>				2				
4	Red Fox	<i>Vulpes vulpes</i>			✓	✓			D	
5	Pine or Beech Marten	<i>Martes foina</i>								D
6	Wild Boar	<i>Sus scopa</i>		R	R		R		R	
7	European Roe Deer	<i>Capreolus capreolus</i>			✓	✓	✓		✓	
8	Red Squirrel	<i>Sciurus vulgaris</i>				✓				
9	Bank Vole	<i>Clethrionomys glareolus</i>			✓					
10	Brown Hare	<i>Lepus europaeus</i>				✓				
11	Mole	<i>Talpa europaea</i>			✓					

Amphibians & Reptiles

1	Alpine Newt	<i>Ichthyosaura alpestris</i>			✓					
2	Common Toad	<i>Bufo bufo</i>			D		✓	✓		✓
3	Common Tree Frog	<i>Hyla arborea</i>			H					
4	Common Frog	<i>Rana temporaria</i>			✓		✓			
5	Marsh Frog	<i>Rana ridibunda</i>			✓			✓		H
6	(Eastern) Green Lizard	<i>Lacerta viridis</i>				✓			✓	
8	Viviparous Lizard	<i>Zootoca vivipara</i>			✓			✓		
9	Common Wall Lizard	<i>Podarcis muralis</i>			✓		✓			
10	Slow Worm	<i>Anguis fragilis</i>			✓				D	
11	Smooth Snake	<i>Coronella austriaca</i>					D			
12	Aesculapian Snake	<i>Zamenis longissimus</i>								✓
13	Grass Snake	<i>Natrix natrix</i>								✓
14	Tessellated (Dice) Snake	<i>Natrix tessellata</i>							✓	

Butterflies (L = Larva)

1	Scarce Swallowtail	<i>Iphiclides podalirius</i>		✓	✓	✓	✓	✓		
2	Swallowtail	<i>Papilio machaon</i>		✓		✓	✓		✓	
3	Black-veined White	<i>Aporia crataegi</i>		✓	✓			✓	✓	
4	Large White	<i>Pieris brassicae</i>					✓		✓	

	Common name	Scientific name	June							
			4	5	6	7	8	9	10	11
5	Small White	<i>Pieris rapae</i>			✓	✓	✓	✓		
6	Green-veined White	<i>Pieris napi</i>		✓	✓		✓			
7	Dark-veined White	<i>Pieris bryoniae</i>		✓						
8	Orange Tip	<i>Anthocharis cardamines</i>			✓		✓	✓		✓
9	Berger's Clouded Yellow	<i>Colias alfacariensis</i>			✓			✓		
10	Clouded Yellow	<i>Colias crocea</i>			✓	✓	✓	✓	✓	
11	Brimstone	<i>Gonepteryx rhamni</i>		✓	✓	✓	✓	✓	✓	
12	Wood White	<i>Leptidea sinapis</i>			✓	✓	✓			
13	Green Hairstreak	<i>Callophrys rubi</i>				✓				✓
14	Sooty Copper	<i>Lycaena tityrus</i>		✓		✓		✓		✓
15	Purple-shot Copper	<i>Lycaena alciphron</i>						✓		
16	Purple-edged Copper	<i>Lycaena hippothoe</i>					✓	✓		✓
17	Little Blue	<i>Cupido minimus</i>		✓	✓	✓		✓		
18	Holly Blue	<i>Celastrina argiolus</i>		✓						
19	Silver-studded Blue	<i>Plebejus argus</i>						✓		
20	Brown Argus	<i>Aricia agrestis</i>						✓		
21	Mountain Argus	<i>Aricia artaxerxes</i>				✓				
22	Mazarine Blue	<i>Cyaniris semiargus</i>		✓		✓				
23	Amanda's Blue	<i>Polyommatus amanda</i>				✓	✓	✓		
24	Adonis Blue	<i>Polyommatus bellargus</i>			✓	✓		✓		
25	Common Blue	<i>Polyommatus icarus</i>			✓			✓		
26	Duke of Burgundy Fritillary	<i>Hamearis lucina</i>		✓		✓				✓
27	Hungarian Glider	<i>Neptis rivularis</i>							✓	
28	Red Admiral	<i>Vanessa atalanta</i>		✓		✓	✓	✓	✓	✓
29	Painted Lady	<i>Vanessa cardui</i>		✓	✓	✓	✓	✓	✓	✓
30	Small Tortoiseshell	<i>Aglais urticae</i>		✓	✓	✓	✓	✓	✓	✓
31	Peacock	<i>Inachis io</i>						✓		
32	Twin-spot Fritillary	<i>Brenthis hecate</i>						✓		
33	Pearl-bordered Fritillary	<i>Clossiana euphrosyne</i>			✓	✓			✓	
34	Weaver's Fritillary	<i>Clossiana dia</i>						✓		
35	Spotted Fritillary	<i>Melitaea didyma</i>			L					
36	False Heath Fritillary	<i>Melitaea diamina</i>			✓			✓		
37	Knapweed Fritillary	<i>Melitaea phoebe</i>				✓		✓		
38	Glanville Fritillary	<i>Melitaea cinxia</i>			✓	✓		✓		
39	Nickerl's Fritillary	<i>Melicta aurelia</i>						✓		
40	Marsh Fritillary	<i>Euphdryas aurinia</i>						✓		
41	Woodland Ringlet	<i>Erebia medusa</i>	✓	✓	✓	✓	✓	✓		✓
42	Meadow Brown	<i>Maniola jurtina</i>					✓	✓		
43	Small Heath	<i>Coenonympha pamphilus</i>		✓	✓	✓	✓	✓	✓	
44	Pearly Heath	<i>Coenonympha arcania</i>		✓	✓		✓	✓		
45	Speckled Wood	<i>Pararge aegeria</i>		✓	✓	✓	✓		✓	
46	Large Wall Brown	<i>Lasiommata maera</i>							✓	
47	Grizzled Skipper	<i>Pyrgus malvae</i>		✓	✓	✓		✓		
48	Dingy Skipper	<i>Erynnis tages</i>		✓	✓	✓		✓		
49	Chequered Skipper	<i>Carterocephalus palaemon</i>		✓	✓	✓			✓	✓

* recorded close to accom. ID via a bat detector & app.

Daubenton's Bat*, *Myotis daubentoni*

Mouse-eared Bat*, *Myotis myotis*

Nathusius' Pipistrelle*, *Pipistrellus nathusii*

Whiskered (Brandt's) Bat*, *Myotis mystacinus*

Serotine Bat*, *Eptesicus serotinus*

Kuhl's Pipistrelle*, *Pipistrellus kuhlii*

Soprano Pipistrelle*, *Pipistrellus pygmaeus*
Savi's Pipistrelle*, *Hypsugo savii*

Common Pipistrelle Bat*, *Pipistrellus pipistrellus*
Noctule Bat*, *Nyctalus noctula*

Macro Moths

Tau Emperor, *Aglaia tau*
Brown Silverlines, *Petrophora chlorosata*
Five-spot Burnet, *Zygaena trifolii*
Franconian Lackey, *Malacosoma franconicum*
Speckled Yellow, *Pseudopanthera macularia*
Silver Y, *Autographa gamma*
Burnet Companion, *Euclidia glyphica*

Green Carpet, *Colostygia pectinataria*
Forester, *Adscita statices*
Transparent Burnet, *Zygaena purpuralis*
Latticed Heath, *Semiothisa clathrata*
Common Wave, *Cabera exanthemata*
Mother Shipton, *Callistege mi*
Clouded Buff, *Diacrisia sannio*

Other Invertebrates

May Fly, *Ephemeroptera* sp.
Hairy Hawker, *Brachytron pratense*
Lesser Emperor, *Anax parthenope*
Azure Bluet Damselfly, *Coenagrion puella*
Beautiful Demoiselle, *Calopteryx virgo*
Stonefly sp.,
Wood Ant, *Formica rufa*
Common Carder Bee, *Bombus pascuorum*
Seven-spot Ladybird, *Coccinella 7-punctata*
Longhorn Beetle, *Morimus funereus*
Nursery-web Spider, *Pisaura mirabilis*

Stonefly sp.,
Blue Hawker, *Aeshna cyanea*
Blue Emperor, *Anax imperata*
Blue-tailed Damselfly, *Ischnura elegans*
Red-veined Darter, *Sympetrum fonscolombii*
Fire Bug, *Pyrrhocoris apterus*
Carpenter Bee, *Xylocopa violacea*
Honey Bee, *Apis mellifera* ssp. *carnica*
Harlequin Ladybird, *Harmandia axyridis*
Lily Beetle, *Lilioceris lillii*

Gastropods & Molluscs

Large Black/Orange Slug, *Arion ater*
Garden Snail, *Cornu aspersum*

Roman Snail, *Helix pomatia*

Plants (* = Very localised distribution or endemic)

Scientific Name

Common Name

PTERIDOPHYTES

FERNS & ALLIES

Calamophytes

Horsetails

Equisetaceae

Equisetum arvense
Equisetum fluviatile
Equisetum palustre
Equisetum sylvaticum

Horsetail Family

Common Horsetail
Water Horsetail
Marsh Horsetail
Wood Horsetail

Leptosporangiate Ferns

True Ferns

Aspleniaceae

Asplenium scolopendrium
Asplenium trichomanes subsp. *quadri-valens*
Asplenium viride

Spleenwort Family

Hart's-tongue Fern
Maidenhair Spleenwort
Green Spleenwort

Athyriaceae

Athyrium filix-femina

Lady-fern Family

Lady-fern

Scientific Name**Common Name****Blechnaceae***Blechnum spicant***Hard-fern Family**

Hard-fern

Cystopteridaceae*Gymnocarpium robertianum***Bladder-fern Family**

Limestone Fern

Dennstaedtiaceae*Pteridium aquilinum***Bracken Family**

Bracken

Dryopteridaceae*Dryopteris filix-mas**Polystichum aculeatum***Buckler-fern Family**

Male-fern

Hard Shield-fern

Polypodiaceae*Polypodium vulgare***Polypody Family**

Common Polypody

Thelypteridaceae*Phegopteris connectilis***Marsh Fern Family**

Beech Fern

GYMNOSPERMS**CONIFERS****Cupressaceae***Juniperus communis* subsp. *communis***Juniper Family**

Common Juniper

Pinaceae*Abies alba**Picea abies* subsp. *abies**Pinus mugo**Pinus nigra* subsp. *nigra**Pinus sylvestris***Pine Family**

European Silver Fir

Spruce

Dwarf Mountain Pine

Austrian or Black Pine

Scots Pine

ANGIOSPERMS**FLOWERING PLANTS****Pre-Dicots****Primitive Angiosperms****Aristolochiaceae***Asarum europaeum***Birthwort Family**

Asarabacca

Eu-dicots**True Dicotyledons****Adoxaceae***Sambucus nigra**Sambucus racemosus**Viburnum lantana**Viburnum opulus***Moschatel Family**

Elder

Red-berried Elder

Wayfaring Tree

Guelder Rose

Apiaceae*Aegopodium podagraria**Angelica sylvestris**Anthriscus sylvestris**Astrantia major**Chaerophyllum temulentum**Daucus carota**Hacquetia epipactis**Laserpitium archangelica***Carrot Family**

Ground Elder

Wild Angelica

Cow Parsley

Great Masterwort

Rough Chervil

Wild Carrot

Hacquetia

Archangel Sermountain

Scientific Name

Laserpitium latifolium
Laserpitium siler
Sanicula europaea
Trinia glauca

Apocynaceae

Vinca minor
Vincetoxicum hirundinaria

Araliaceae

Hedera helix agg.

Berberidaceae

Berberis vulgaris

Betulaceae

Alnus glutinosa
Betula pendula
Carpinus betulus
Corylus avellana
Ostrya carpinifolia

Boraginaceae

Echium vulgare
Myosotis scorpioides
Pulmonaria officinalis
Symphytum tuberosum
Symphytum x uplandicum

Brassicaceae

Arabis hirsuta
Cardamine bulbifera
Cardamine enneaphyllos
Cardamine pratense
Cardamine trifolia

Campanulaceae

Campanula glomerata
Campanula patula
Phyteuma orbiculare
Phyteuma ovatum
Phyteuma zahlbruckneri

Caprifoliaceae

Dipsacus fullonum
Knautia drymeia
Knautia illyrica
Lonicera alpigena
Lonicera xylosteum
Scabiosa triandra (gramuntia)
Valeriana dioica
Valeriana officinalis
Valeriana tripteris

Common Name

Broad-leaved Sermountain
 a Sermountain
 Sanicle
 Honewort

Periwinkle Family

Lesser Periwinkle
 Swallow-wort

Ivy Family

Ivy

Barberry Family

Barberry

Birch Family

Common Alder
 Silver Birch
 Hornbeam
 Hazel
 Hop Hornbeam

Forget-me-not Family

Viper's-bugloss
 Water Forget-me-not
 Lungwort
 Bulbous Comfrey
 Russian Comfrey

Cabbage Family

Hairy Rock-cress
 Bulbous Bitter-cress
 Drooping Bitter-cress
 Lady's Smock or Cuckoo Flower
 Trefoil Bitter-cress

Bellflower Family

Clustered Bellflower
 Spreading Bellflower
 Round-headed Rampion
 Dark Rampion
 a Rampion

Honeysuckle Family

Teasel
 A Field Scabious
 A Wood Scabious
 Alpine Honeysuckle
 Fly Honeysuckle
 -
 Marsh Valerian
 Common Valerian
 Three-leaved Valerian

Scientific Name**Caryophyllaceae**

Arenaria serpyllifolia subsp. *serpyllifolia*
Cerastium fontanum
Moehringia muscosa
Silene dioica
Silene (Lychnis) flos-cuculi
Silene latifolia
Silene nutans

Celastraceae

Euonymus europaeus
Euonymus latifolius
Euonymus verrucosus

Cistaceae

Helianthemum nummularium

Compositae (Asteraceae)

Achillea millefolium
Aposeris foetida
Arnica montana
Artemisia vulgaris
Bellis perennis
Carduus defloratus
Centaurea montana
Cirsium erisithales
Cirsium pannonicum
Eupatorium cannabinum
Homogyne sylvestris
Leucanthemum liburnicum
Petasites albus
Senecio fuchsii
Senecio paludosus
Tragopogon pratensis subsp. *orientalis*
Tussilago farfara

Cornaceae

Cornus sanguinea

Crassulaceae

Sedum album
Sedum maximum

Ericaceae

Erica carnea
Vaccinium vitis-idaea

Euphorbiaceae

Euphorbia amygdaloides
Euphorbia cyparissias
Euphorbia helioscopia
Mercurialis perennis

Common Name**Pink Family**

Thyme-leaved Sandwort
Common Mouse-ear
Mossy Sandwort
Red Campion
Ragged Robin
White Campion
Nottingham Catchfly

Spindle Family

Spindle
Large-leaved Spindle
Eastern or Warty Spindle

Rock-rose Family

Common Rock-rose

Daisy Family

Yarrow
Aposeris
Arnica
Mugwort
Daisy
Alpine Thistle
Perennial Cornflower
Yellow Melancholy Thistle
Pannonian Thistle
Hemp Agrimony
a Colt's-foot
an Ox-eye Daisy
White Butterbur
Fuchs' Ragwort
Fen Ragwort
Goat's-beard
Colt's-foot

Dogwood Family

Dogwood

Stonecrop Family

White Stonecrop
Large Stonecrop

Heath family

Spring Heath
Cowberry

Spurge Family

Wood Spurge
Cypress Spurge
Sun Spurge
Dog's Mercury

Scientific Name**Common Name****Fagaceae**

Fagus sylvatica
Quercus robur

Oak & Beech Family

Beech
Pendunculate Oak

Gentianaceae

Gentiana asclepiadea
Gentiana cruciata
Gentiana lutea
Gentiana utriculosa
Gentiana verna

Gentian Family

Willow-leaved Gentian
Cross Gentian
Great Yellow Gentian
Bladder Gentian
Spring Gentian

Geraniaceae

Geranium purpureum
Geranium nodosum

Geranium Family

Little Robin
Knotted Crane's-bill

Lamiaceae

Ajuga genevensis
Ajuga pyramidalis
Ajuga reptans
Betonica officinalis
Glechoma hederacea
Lamium galeobdolon agg.
Lamium garganicum
Lamium orvala
Lamium purpureum
Melittis melissophyllum
Mentha aquatica
Mentha longifolia
Prunella vulgaris
Salvia glutinosa
Salvia pratensis
Stachys sylvatica
Teucrium chamaedrys
Thymus polytrichus

Dead-nettle Family

Blue Bugle
Pyramidal Bugle
Bugle
Betony
Ground-ivy
Yellow Archangel
Large Red Dead-nettle
Balm-leaved Archangel
Red Dead-nettle
Bastard Balm
Water Mint
Horse Mint
Selfheal
Jupiter's Distaff
Meadow Clary
Hedge Woundwort
Wall Germander
Wild Thyme

Leguminosae (Fabaceae)

Anthyllis montana
Anthyllis vulneraria
Astragalus glycyphyllos
Bituminaria bituminosa
Cytisus (Chamaecytisus) purpureus
Cytisus (Chamaecytisus) hirsutus
Genista germanica
Hippocrepis comosa
Laburnum anagyroides
Lathyrus pratensis
Lathyrus laevigatus
Lathyrus vernus
Lotus corniculatus
Medicago sativa
Trifolium montanum
Trifolium pratense
Trifolium repens

Pea Family

Mountain Kidney-vetch
Kidney-vetch
Wild Liquorice
Pitch Trefoil
Purple Broom
Hairy Broom
Prickly Greenweed
Horseshoe Vetch
Laburnum
Yellow Vetchling
Western Vetch
Spring Vetchling
Bird's-foot Trefoil
Lucerne
Mountain Clover
Red Clover
White Clover

Scientific Name	Common Name
<i>Vicia cracca</i>	Tufted vetch
<i>Vicia oroboides</i>	
<i>Vicia sativa</i> subsp. <i>sativa</i>	Cultivated Vetch
Lentibulariaceae	Bladderwort Family
<i>Pinguicula alpina</i>	Alpine Butterwort
Linaceae	Flax Family
<i>Linum catharticum</i>	Purging or Fairy Flax
<i>Linum narbonense</i>	Perennial Flax
Lythraceae	Purple-loosestrife Family
<i>Lythrum salicaria</i>	Purple-loosestrife
Malvaceae	Mallow Family
<i>Tilia cordata</i>	Small-leaved Lime
<i>Tilia platyphyllos</i>	Broad-leaved Lime
Oleaceae	Olive Family
<i>Fraxinus excelsior</i>	Ash
<i>Fraxinus ornus</i>	Manna or Flowering Ash
<i>Ligustrum vulgare</i>	Wild Privet
Onagraceae	Willowherb Family
<i>Chamerion angustifolium</i>	Rosebay Willowherb
Orobanchaceae	Broomrape Family
<i>Orobanche gracilis</i>	Slender Broomrape
<i>Orobanche rapum-genistae</i>	Greater Broomrape
<i>Pedicularis palustris</i>	Marsh Lousewort
<i>Rhinanthus aristatus</i> agg.	Aristate Yellow Rattle
<i>Rhinanthus minor</i> agg.	Rattle
Oxalidaceae	Wood-sorrel Family
<i>Oxalis acetosella</i>	Wood-sorrel
Papaveraceae	Poppy Family
<i>Chelidonium majus</i>	Greater Celandine
<i>Papaver rhoeas</i>	Corn Poppy
Plantaginaceae	Plantain Family
<i>Digitalis grandiflora</i> (<i>D. ambigua</i>)	Large Yellow Foxglove
<i>Globularia punctata</i>	Common Globularia
<i>Plantago lanceolata</i>	Ribwort Plantain
<i>Plantago major</i>	Greater Plantain
<i>Plantago media</i>	Hoary or Lamb's-tail Plantain
<i>Veronica anagallis-aquatica</i>	Water Speedwell
<i>Veronica austriaca</i> subsp. <i>teucrium</i>	Large Speedwell
<i>Veronica chamaedrys</i>	Germander Speedwell
Plumbaginaceae	Thrift Family
<i>Armeria alpina</i>	Mountain Thrift

Scientific Name	Common Name
Polygalaceae <i>Polygala comosa</i>	Milkwort Family
Polygonaceae <i>Rumex acetosa</i> <i>Rumex conglomeratus</i> <i>Rumex crispus</i>	Knotweed Family Sorrel Clustered Dock Curled Dock
Primulaceae <i>Cyclamen purpurescens</i> <i>Lysimachia nummularia</i> <i>Lysimachia vulgaris</i> <i>Primula vulgaris</i>	Primrose Family a Cyclamen Creeping-jenny Yellow Loosestrife Common Primrose
Ranunculaceae <i>Aconitum paniculatum</i> <i>Aconitum vulparia</i> <i>Anemone (Pulsatilla) montana</i> <i>Anemone nemorosa</i> <i>Aquilegia atrata</i> <i>Aquilegia vulgaris</i> <i>Caltha palustris</i> <i>Clematis alpina</i> <i>Clematis recta</i> <i>Clematis vitalba</i> <i>Helleborus multifidus</i> <i>Helleborus niger</i> <i>Hepatica nobilis</i> <i>Ranunculus platanifolius</i> <i>Thalictrum aquilegifolium</i> <i>Thalictrum lucidum</i> <i>Thalictrum minus</i>	Buttercup Family a Monk's-hood Wolf's-bane Mountain Pasqueflower Wood Anemone Dark Columbine Columbine Marsh Marigold Alpine Clematis Upright Clematis Old-Man's-Beard a green hellebore Christmas Rose Hepatica a Buttercup Great Meadow-rue Shiny Meadow-rue Lesser Meadow-rue
Rhamnaceae <i>Frangula alnus</i> <i>Frangula rupestris</i> <i>Rhamnus catharticus</i> <i>Rhamnus fallax</i>	Buckthorn Family Alder Buckthorn a rock buckthorn Buckthorn an Alpine Buckthorn
Rosaceae <i>Amelanchier ovalis</i> <i>Aruncus dioicus</i> <i>Comarum palustre</i> <i>Crataegus monogyna</i> <i>Filipendula ulmaria</i> <i>Filipendula vulgaris</i> <i>Fragaria moschata</i> <i>Fragaria vesca</i> <i>Geum rivale</i> <i>Geum urbanum</i> <i>Potentilla erecta</i> <i>Prunus avium</i> <i>Prunus spinosa</i>	Rose Family Juneberry Goatsbeard Spiraea Marsh Cinquefoil Hawthorn Meadowsweet Dropwort Hautbois Strawberry Wild Strawberry Water Avens Wood Avens or Herb Bennet Tormentil Wild Cherry Blackthorn

Scientific Name

Rosa arvensis
Rosa canina agg.
Rosa pendulina
Rubus fruticosus agg.
Rubus idaeus
Sanguisorba minor (*Poterium* s.)
Sanguisorba officinalis
Sorbus aria agg.
Sorbus aucuparia

Rubiaceae

Asperula cyanchica
Galium album
Galium odoratum
Galium palustre agg.
Galium verum

Salicaceae

Populus tremula
Salix alba
Salix caprea
Salix cinerea
Salix x fragilis

Santalaceae

Loranthus europaeus
Thesium alpinum
Thesium barvarum
Thesium linophyllum

Sapindaceae

Acer campestre
Acer platanoides
Acer pseudoplatanus

Saxifragaceae

Saxifraga rotundifolia

Scrophulariaceae

Scrophularia nodosa
Verbascum nigrum
Verbascum pulverulentum

Solanaceae

Atropa belladonna
*Scopolia camiolica**
Solanum dulcamara

Thymelaeaceae

Daphne alpina
Daphne mezereum

Common Name

Field Rose
Dog Rose
Alpine Rose
Bramble
Raspberry
Salad Burnet
Great Burnet
Whitebeam
Rowan

Bedstraw Family

Squinancywort
Hedge Bedstraw
Woodruff
Marsh Bedstraw
Lady's Bedstraw

Willow & Poplar Family

Aspen
White Willow
Goat Willow
Grey Willow
Crack Willow

Sandalwood Family

Yellow-berried Mistletoe
Alpine Bastard Toadflax
Barvarian bastard Toadflax
Flax-leaved Bastard Toadflax

Maple Family

Field Maple
Norway Maple
Sycamore

Saxifrage Family

Round-leaved saxifrage

Figwort Family

Common Figwort
Dark Mullein
Hoary Mullein

Nightshade Family

Deadly Nightshade
Scopolia
Bittersweet

Mezereon Family

Alpine Daphne
Mezereon

Scientific Name**Common Name****Violaceae***Viola elatior***Violet Family**

Fen Violet

Monocots**Monocotyledons****Amaryllidaceae***Allium scorodoprasum**Allium ursinum***Daffodil Family**

Sand Leek

Ramsons

Asparagaceae*Convallaria majalis**Maianthemum bifolium**Polygonatum multiflorum**Polygonatum odoratum**Polygonatum verticillatum***Asparagus Family**

Lily-of-the-Valley

May Lily

Solomon's-seal

Angular Solomon's-seal

Whorlled Solomon's-seal

Colchicaceae*Colchicum autumnale***Meadow Saffron Family**

Autumn Crocus (leaves)

Cyperaceae*Carex caryophylla**Carex dioica**Carex echinata**Carex flacca**Carex flava**Carex lepidocarpa**Carex nigra**Carex ornithopoda**Carex pallescens**Carex paniculata**Carex strigosa**Carex sylvatica**Eriophorum latifolium**Schoenus ferrugineus**Schoenus nigricans***Sedge Family**

Spring Sedge

Dioecious Sedge

Star Sedge

Glaucous Sedge

Large Yellow-sedge

Long-bracted Yellow-sedge

Common Sedge

Bird's-foot Sedge

Pale Sedge

Greater Tussock-sedge

Thin-spiked Wood-sedge

Wood Sedge

Broad-leaved Cotton-grass

Rusty Bog-rush

Black Bog-rush

Iridaceae*Iris graminea**Iris pseudacorus**Iris siberica***Iris Family**

Grass-leaved Iris

Yellow Flag

Siberian Iris

Juncaceae*Juncus inflexus**Juncus trifidus**Luzula multiflorum* agg.**Rush Family**

Hard Rush

Three-leaved Rush

Heath Woodrush

Liliaceae*Hemerocallis lilioasphodelus**Lilium bulbiferum**Lilium carniolicum***Lilium martagon***Lily Family**

Yellow Day-lily

Orange Lily

Carnic Lily

Martagon Lily

Melanthiaceae*Paris quadrifolia***Herb-Paris Family**

Herb-Paris

Scientific Name*Veratrum album***Orchidaceae***Anacamptis morio**Anacamptis pyramidalis**Cephalanthera damasonium**Cephalanthera longifolia**Corallorhiza trifida**Cypripedium calceolus**Dactylorhiza fuchsii**Dactylorhiza incarnata* subsp. *pulchella**Dactylorhiza majalis**Dactylorhiza sambucina**Epipactis helleborine**Gymnadenia conopsea* subsp. *conopsea**Neotinea tridentata**Neotinea (Orchis) ustulata**Neottia nidus-avis**Neottia ovata**Ophrys insectifera**Orchis mascula**Orchis militaris**Orchis palustris**Platanthera bifolia**Traunsteinera globosa***Poaceae***Anisantha sterilis**Anthoxanthum odoratum**Arrhenatherum elatius**Avenula pubescens**Brachypodium pinnatum**Brachypodium sylvaticum**Briza media**Bromopsis erecta**Bromus hordeaceus**Cynosurus cristatus**Dactylis glomerata**Elymus caninus**Festuca altissima**Festuca arundinacea**Festuca rubra* agg.*Festuca pratensis**Koeleria macrantha**Lolium perenne**Melica nutans**Melica uniflora**Milium effusum**Phalaris arundinacea**Phragmites australis**Poa annua**Poa chaixii**Poa nemoralis***Common Name**

White False-helleborine

Orchid Family

Green-winged Orchid

Pyramidal Orchid

White Helleborine

Narrow-leaved Helleborine

Coralroot Orchid

Lady's-slipper Orchid

Common Spotted Orchid

an Early Marsh Orchid

Broad-leaved Marsh Orchid

Elder-flowered Orchid

Broad-leaved Helleborine

Fragrant Orchid

Three-toothed Orchid

Burnt Orchid

Bird's-nest Orchid

Common Twayblade

Fly Orchid

Early Purple Orchid

Military Orchid

Bog Orchid

Lesser Butterfly Orchid

Round-headed Orchid

Grass Family

Barren Brome

Sweet Vernal Grass

False Oat-grass

Pubescent Oat-grass

Tor-grass

False Brome

Quaking Grass

Upright Brome

Soft Brome

Crested Dog's-tail

Cock's-foot

Bearded Couch

Wood Fescue

Tall Fescue

Red Fescue

Meadow Fescue

Crested Hair-grass

Perennial Rye-grass

Mountain Melick

Wood Melick

Wood Millet

Reed Canary Grass

Common Reed

Annual Meadow-grass

Broad-leaved Meadow-grass

Wood Meadow-grass

Scientific Name*Poa pratensis**Poa trivialis**Sesleria caerulea***Tofieldiaceae***Tofieldia calyculata***Typhaceae***Typha angustifolia***Common Name**

Smooth Meadow-grass

Rough Meadow-grass

Blue Moor-grass

Scottish Asphodel Family

Tofield's Asphodel

Bulrush Family

Lesser Bulrush