

Bulgaria in Summer

Naturetrek Tour Report

30 July - 6 August 2011



Crocothemis erythraea - Scarlet Darter



Limenitis reducta - Southern White Admiral



Rila Monastery



Mantis religiosa - Praying Mantis

Report & images compiled by Alan Outen



Naturetrek Cheriton Mill Cheriton Alresford Hampshire SO24 0NG England

T: +44 (0)1962 733051

F: +44 (0)1962 736426

E: info@naturetrek.co.uk

W: www.naturetrek.co.uk

Tour Leader: Alan Outen Naturetrek Botanist and Naturalist
 Dr Mario Langourov Local Guide and Entomologist
 Mitko Driver

Participants: Bob Snellgrove
 Sandra Snellgrove
 Bob Winter
 Mavis Winter
 Ian Alston
 Paula Alston
 Marion Emberson
 Richard Graves
 Hazel Graves
 Andrew Eadie
 Sally Hammond
 Helen Hewland
 Pattie Outen

Day 1

Saturday 30th July

Flight to Sofia, travel to Melnik via Verdena River

Weather: Warm and sunny on arrival in Sofia, overcast by the time we reached our stop at the river but brightened up again

Our flight was smooth and with a good breakfast. We arrived a few minutes early at 13.23 (BST +2) and after clearing immigration and reclaiming luggage we quickly found Mario and Mitko in the arrivals hall. The bus was loaded up and we were on our way by 14.15. After just half an hour we stopped by the Verdena River which proved to be an extremely productive introduction to some of the Bulgarian flora and fauna. Although it was quite dull when we arrived, the sun quickly came out and so too did the insects. Butterflies included Silver-washed, Spotted and Knapweed Fritillaries, Map, Scarce Swallowtail, Short-tailed, Provencal Short-tailed and Meleager's Blues, Sooty Copper and Eastern Rock Grayling. A Nine-spotted moth, several very attractive Burnet moth species, Praying Mantis, Assassin Bug (*Rhinacoris irracundus*), the red and black striped bug species *Graphosoma italicum*, several handsome bush-cricket species including *Poecilimon thoracicus* and fine specimens of the Wasp Spider (*Argiope bruennichi*) were among many of the species much photographed by the group. Many of the insects were attracted to the flowers of Hemp Agrimony but among the more interesting plants here were White Melilot, Sticky Sage, Touch-me-not Balsam, Cretan Thistle and the willowherb species *Chamerion fleischeri* whilst birds included Marsh Tit and Blackcap. We left here at 16.50, having stayed longer than intended, though some were still reluctant to leave. A White Stork, Kestrel and a European Roller enlivened the journey until a short comfort break at 18.40 where the yellow-flowered St Barnaby's Thistle (*Centaurea solstitialis*) was an interesting new plant for many. We arrived at our hotel in Melnik where after a rather late evening meal all were more than ready to turn in for the night.

Day 2

Sunday 31st July

Kresna Gorge, above Ilindensi (lunch stop), nr Spartova village and nr Lozenitsa

Weather: Sunny, hot and dry

A short walk from the hotel before breakfast gave us common bird species such as Swift, House Martin, Swallow, Goldfinch and White Wagtail whilst plants included Pink Everlasting (*Xeranthemum annuum*) and the yellow flowered *Achillea coarctata*.

After a satisfying breakfast we left at 09.00 en route for the Kresna Gorge. A series of short unscheduled stops, the first after only 15 minutes, produced among others, Buzzard, Short-toed Eagle, Woodchat Shrike and Bee-eaters, as well as an Eastern Green Lizard, Keeled Skimmer Dragonfly and the attractive Shield bug *Carpocoris mediterraneus*. The flora included *Centaurea diffusa* (white-flowered), *C. saloniensis* var. *macrantha* (yellow-flowered), and Pale Globe-Thistle (*Echinops sphaerocephalus*). We reached the gorge at 10.45 and cameras were soon in action for a wide range of flora and fauna. Among the more interesting plants were the shrub Christ's-thorn (*Paliurus spina-cristi*), Flowering Rush (*Butomus umbellatus*), Round-leaved Birthwort (*Aristolochia rotunda*), *Jasminum fruticans*, Nettle Tree (*Celtis australis*) whilst Field Eryngo (*Eryngium campestre*) and *Marrubium peregrinum* were proving irresistible to a large variety of insects including the handsome longhorn beetle species *Chlorophorus varius*, a beautiful non-British hoverfly *Milesia semiluctifera* and the day-flying Dusky Clearwing Moth *Paranthrene tabaniformis* forma *rhingiaeformis*. Butterflies seen here included Common Glider, Clouded Yellow, Eastern Bath White and Little Tiger Blue. White legged and Beautiful Demoiselle Damselflies were both familiar to many, though always pleasing to see, but Small Pincertail Dragonfly was one of the Bulgarian specialties. The Cicadas were singing non-stop and eventually Mario spotted one on a tree trunk that was within photographic range. Crag Martins and Red-rumped Swallows as well as Barn Swallow, House Martin and Swift were overhead whilst Grey Wagtail, Grey Heron and Little Egret were also noted.

It was not until 13.10 that we were finally able to tear ourselves away from here and we drove up to a hillside above Ilindensi for our picnic lunch. This was again another excellent stop, especially for insects including Southern White Admiral, Small Copper and Anomalous Blue Butterflies, the large violet-black Carpenter bee (*Xylocopa violacea*), a good range of grasshoppers and bush-cricket as well as Ant lions (remarkably elusive to photograph), the most impressive of which was the large *Palparex libelluloides*, and more specimens of Praying Mantis. A water trough and small pool were clearly irresistible to Southern Skimmer Dragonflies.

Driving on at 15.45 we made two more short stops. The first of these was near Spartova village and here two yellow-flowered plants that attracted attention were the grey hairy-leaved *Inula aschersoniana* and Skeletonweed (*Chondrilla juncea*) whilst the curious Slant-headed grasshopper *Acrida mediterranea* was also much photographed. The second stop, near Lozenitsa produced Reverdine's Blue and Painted Lady Butterflies, a paper wasp species *Polistes dominulus*, and a large impressive bush-cricket species *Tylopsis lilifolia*. Other birds seen during the day included Syrian Woodpecker, Crested Lark, Hooded Crow, Raven and Hawfinch.

We were back at the hotel at 18.15 with time to change, shower and relax before the evening meal. After this we went through the lists for the day and then many of the group walked the short distance down the road to the old school building to see the colony of Kotschy's Geckos that frequent the walls.

Day 3

Monday 1st August

Struma pond (Marena Place Fishpond), Rupite hot mineral springs (below Kozhukh hill) and Struma River

Weather: Sunny and hot. Nearby thunderstorms threatened but passed us by

This morning's pre-breakfast walk yielded Blackcap and Greenfinch whilst a Golden Oriole was heard and Mario spotted a Lattice Brown Butterfly. After breakfast we set off at 09.05 for Rupite, but as so often we soon made an unscheduled roadside stop, where we observed Bee-eaters, Woodchat and Red-backed Shrikes, Short-toed Eagle and a juvenile Balkan Green Lizard.

At 09.55 we began our walk to the Marens Place Fishpond. Our attention was soon attracted to a specimen of *Megascolia flavifrons*, the largest European wasp species, noticeably bigger than a hornet. There were also several fine specimens of the Wasp Spider (*Argiope bruennichi*) several of which had caught dragonflies in their webs. At the pond dragonflies were abundant with Scarlet and Red -Veined Darters, Black-tailed Skimmer, Emperor Dragonfly and Blue-tailed Damselfly. Among the butterflies were Small and Purple-shot Copper, Lang's Short-tailed Blue and Scarce Swallowtail. Another species of Mantis was found, this being the uncommon *Iris oratoria*. Mario waded into the water and came back with a specimen of *Lethocerus patruelis* - the largest European Bug species, about 4 inches long. Marsh Frogs were heard and then seen. Plants included Gypsywort, Purple Loosestrife, Goat's Rue and Spanish Oyster Thistle (*Scolymus hispanicus*) whilst Cormorant, Western Marsh Harrier, Moorhen, Coot, Ringed Plover, Common Sandpiper, Turtle Dove and Common Whitethroat were added to the bird list.

At 12.50 we were all back on the bus but as it was very hot we very soon stopped for ice creams and drinks even though it was only another 10 minutes to our scheduled lunch stop at a covered shelter adjacent to the Rupite Hot Mineral Springs! Here water with a sulphurous smell comes to the surface at 75 deg C. Some local people were bathing in the pools. Our walk took us along the track at the base of the hillside. Part-way along we heard a loud bang. Men working on a pylon had caused an electrical discharge that started a fire in the dry grass of the field beside the track. Fortunately the wind was not blowing it directly towards us and by the time the fire brigade arrived it had all but burned itself out. What surprised many was that far from being deterred, the White Storks were flying in in some numbers to take advantage of the barbecued insects and frogs! Circling round the field we came back alongside the stream. Small Red-eyed and White-legged Damselflies were abundant with several Banded Demoiselles. Butterflies included Southern White Admiral, Freyer's Grayling and Little Tiger Blues, the latter also abundant, whilst a Hummingbird Hawkmoth, a large Scoliid wasp species *Colpa sexmaculata* and a rather smart beetle *Chytra atraphaxidia* also attracted attention. Several European Pond Terrapins and a Grass Snake were also seen.

After a further brief stop for drinks and ice creams we made our way to the Struma River. Here we saw *Heliotropium europaeum*, *Xanthium spinosum*, Great Water Plantain, Branched Plantain and a splendid Red-veined Darter. Mario also pointed out the nest of a Penduline Tit, though the birds of course had long departed. We were back at the hotel by 19.00.

Day 4

Tuesday 2nd August

Transfer day Melnik to Bansko stopping en route at Popovi Livadi meadows and the fishponds near Gotsche Delchev.

Weather: Overcast at first, some light rain on journey but dry, sunny and warm whilst we were out

The pre-breakfast walk was rather more productive with Red-rumped Swallow, Garden Warbler, Red-backed Shrike and Rock Bunting. After breakfast we settled our accounts, loaded up the luggage and by 09.15 were on our way to our next destination. Two quick stops soon followed, one for the view and then minutes later for a big flock of twenty-two White Storks and a raptor spiralling on a thermal. Disappointingly the raptor proved to be just a Buzzard but whilst we were at this stop a Hobby was spotted as well as a Southern White Admiral and a new plant for the week Pitch Trefoil. The leaves of this plant have the distinctive smell from which it derives its name, though the flowers were over. Back on the bus at 10am and driving on we saw Bee-eaters, a Hoopoe whilst Red-backed Shrikes were plentiful. By 11am we were gaining altitude markedly and the presence of Bracken by the roadside indicated that soil conditions were now acidic. The flowers of Rosebay Willowherb made a fine display by the roadside.

At 11.15 we stopped for our first scheduled walk at the Popovi Livadi Meadows. Here *Nepeta pannonica*, the thistle *Cirsium ligulare*, Creeping Jenny and Cypress Spurge were conspicuous among the plants whilst a few Common Spotted Orchids were also seen. Butterflies were abundant including Dark Green and Silver Washed Fritillaries, Ringlet, Meadow Brown, Arran Brown and Painted Lady. Great Spotted Woodpecker, Firecrest, Goldcrest, Coal Tit, Long-tailed Tit and Wren were added to the bird list. We very soon reached a very productive hillside with a small stream at the bottom. Here insects were abundant including three impressive longhorn beetles *Pachytodes cerambyciformis*, *Stictoleptura rubra* and *Anastrangalia dubia*, as well as good numbers of Bee Chafers (*Trichius fasciatus*) and Rose Chafers. Hoverflies were also abundant including *Volucella pellucens*. A large spider, later identified from images as *Aculepeira ceropegia*, also attracted attention. It was, though, the butterflies which were the real highlight with Large Skipper, Purple-shot Copper, Scarce Copper, Clouded Yellow, Comma, Eastern Wood White, Large Ringlet, Woodland Grayling, Marbled Fritillary among them, though for most the best were a few splendid Apollos. Many of these insects were especially attracted to the flowers of Dwarf Elder. The parasitic plant Dodder *Cuscuta campestris* was scrambling over a range of plants, with Viper's Bugloss, Woolly Foxglove and Yellow Scabious among other plants and the highly prized edible toadstools Chanterelle also noted. By the stream were Marsh Marigold, Marjoram and Cross-leaved Gentian, Broad-bodied Chaser and Sombre Goldenring Dragonflies and a large Caddisfly, a female of either *Potamophylax latipennis* or *P.cingulatus*. So engrossed were we all that it was not until 14.00 that we were finally all back at the bus for our picnic lunch!

We eventually left here at 14.35. Roadside plantings were now noticeably different and included White Mulberry, Horse Chestnut, Common Lime and Indian Bean Tree. Our arrival at the fishponds near Gotsche Delchev was preceded just a few minutes earlier by a brief stop for facilities, ice creams and drinks. Little Grebe, Purple Heron, Squacco Heron, Kingfisher, Great Reed Warblers and Spanish Sparrows were among the birds seen at this very attractive series of fishponds. The tall yellow-flowered *Linaria genistifolia*, *Centaurea stoebe*, Haresfoot Clover, Goat's-rue, Lesser Centaury, Gypsywort, Skullcap and the grass *Echinochloa crus-galli* were among the plants that attracted the attention of the photographers, among fifty-six new plants added to the list in the day.

Both Blue and Red-winged Grasshoppers, Scarlet Darters and White legged Damselflies were abundant with good numbers also of Red-veined Darter and Blue-tailed Damselfly. The best of the dragonflies here though was a female Banded Darter. Our planned circular route was initially thwarted by a flooded track. The enterprising quickly took off their boots and socks and waded through calf deep, whilst Mario constructed a series of stepping stones for the rest, with willing individuals helping them across. Leaving here at 17.35 we arrived at the Bansko Spa hotel at 18.40. Following dinner, lists were completed before it was time for bed.

Day 5

Wednesday 3rd August

Vikren to Banderitsa and meadows above Bansko

Weather: Sunny, dry and warm

Our first pre-breakfast walk in the new area was still lacking in many birds though Golden Oriole, White Wagtail, Swift and Yellowhammer were among those seen. The flora was noticeably different with Soapwort, Berry Catchfly, Crown Vetch, Chicory, Tansy and Cut-leaved Teasel among those noted.

After breakfast we left at 09.05 and drove to the Vikren Mountain Hut. Arriving here at 10.25 we walked along the roadside to Banderitsa Mountain Hut. The walk was very productive with Crossbill and Nutcracker quickly added to the bird list with Mistle Thrush, Siskin, and Nuthatch found later. The flora was very rich with a number of choice or interesting species among them Large Yellow Gentian, False White Helleborine (*Veratrum album*), Monk's Rhubarb (*Rumex alpinus*), Grass of Parnassus, Large Milkwort, Alpine Skullcap, Wall Germander, Balkan Butterwort, *Acyneuma canesens*, *Erigeron atticus*, Alpine Aster and Yellow Onion. Three species of Pine could be compared, these being Dwarf Mountain Pine (*Pinus mugo*) Bosnian Pine (*P. leucodermis*), Macedonian Pine (*P. peuce*) while ferns included Male Fern, Lady Fern and Holly Fern. The strange rust fungus *Gymnosporangium cornutum* on Rowan was also noted. Butterflies were again prolific and included Lulworth Skipper, Arran Brown, Common Brassy Ringlet, Large Ringlet, Bulgarian Ringlet, Brown Argus, Chalkhill Blue, Turquoise Blue and an as yet un-described species of Anomalous Blue.

Our picnic lunch at 13.50 was eaten at the mountain hut. After this we got back for the half-hour drive down to some meadows, a stream and a more or less dry river bed above Banko. A large impressive Pine Borer Beetle was found even before all were off the bus with other insects, as always, much in evidence. Among these were another beetle *Cetonia cuprea* (a relative of the Rose Chafer), a large robber fly species (*Laphria gibbosa*), a large bush-cricket species *Isophya bureschi*, Nine-spotted Moth, two different, but equally attractive, species of Burnet Moths *Zygaena carniolica* and *Z. ephialtes*, and Small Yellow Wave. Butterflies included Scarce Swallowtail, Great Banded Grayling, Arran Brown, Small Heath and Marbled White. A flock of Red-rumped Swallows put on an impressive aerial display, whilst Sedge Warbler was also added to the bird list. Among the plants of note were *Nigella elata*, *Centaurea nervosa* and *Carlina acinthifolia*. We were back at the hotel by 17.40 to take our evening meal before completing lists and retiring to bed.

Day 6

Thursday 4th August

Gotse Delchev Mountain Hut, chair lift ascent to Bezbug Lake and mountains; meadows above Dobrinishte

Weather: Sunny, dry and warm

A slightly earlier pre-breakfast walk was scheduled this morning as Mario recommended we take breakfast 15 minutes earlier to again avoid the crowds later on. The Yellowhammer was still singing lustily but no other birds worthy of note were seen. A few Fungi were however added to the list.

Our earlier start to the day meant that we left the hotel at 08.50 and after a brief stop for lunch provisions we drove to the Gotse Delchev Mountain Hut in readiness for the chair lift ascent to Bezbog Lake. Unfortunately a power cut meant that our ascent was delayed until 11am. Nonetheless there was plenty to see with a profusion of butterflies including Queen of Spain, Marbled and Silver-washed Fritillaries, Scarce and Purple-shot Copper, Holly Blue, Marbled White, Comma, Small Tortoiseshell, Red Admiral and Scarce Swallowtail. A solitary wasp *Bembix* sp., Violet Carpenter Bees and two beetle species *Trichodes apiarius* and *Rutpela maculata* were enjoying the same flower-mix, with Tansy, Rosebay Willowherb, Small Hemp-nettle, Water mint and other Labiates especially favoured.

We reached the top of the lift at 2239 metres at 11.45. Although Bezbog Lake means God Forsaken Lake all agreed that it was in fact very beautiful as were the surrounding peaks. The altitude meant that there were plenty of plants in flower *Arnica montana*, *Doronicum cordatum*, Snowdon Lily, Alpine Stitchwort, Round-leaved Saxifrage, Bulgarian Sheepsbit, Bilberry and *Dianthus microlepis* among them. Common Hawkers (*Aeshna juncea*) - the vernacular name somewhat misleading in the UK these days - were patrolling the shore with Ottoman Brassy Ringlet, Bulgarian Ringlet and Eastern Large Heath soon found nearby. Black Redstart provided the main bird interest.

Walking up the slope to gain height further we added Black Ringlet, Nicholl's Ringlet and Balkan Fritillary. Orange Hawkweed, Alpine Bellflower, Alpine Willowherb, the delightful yellow flowered Eyebright *Euphrasia minima*, the Scabious *Knautia midzorensis*, *Senecio glaberrimus*, *Carduus kernerii*, Oak Fern and Brittle Bladder Fern, were added to the plant list. Some made their way back to the cafe by the lake for welcome refreshments, whilst others lingered as long as possible to take in the wealth of flora and fauna. By 15.50 we were all reassembled back at the chair lift reaching the bottom at 16.30. Here we found another large longhorn beetle species *Monochamus* sp.

We then drove the short distance to some meadows above Dobrinishte arriving here at 16.50. *Silene roemerii*, *Geum coccineum*, Crosswort, Ragged Robin and *Allium carinatum* were among the plants seen here with the bush-cricket *Isophya bureschi* and a spider *Araneus circe* adding to the invertebrate lists. Among the birds seen were Lesser Whitethroat and Linnet. We left here at 17.45 and on our return journey to the hotel Mario got the driver to stop while he climbed down the bank to a potato field, returning with some Colorado Beetles for us to see. Back at the hotel at 18.15 we were able to revert to our normal dinner time of 19.30 followed by the routine lists.

Day 7

Friday 5th August

Walk through meadows near Bansko to artificial lake/ fishpond at Ribarska Steshta; meadows above Dobrinishte.

Weather: Sunny, dry and warm

The pre-breakfast walk produced White Stork, Robin, Blackcap and our usual Yellowhammer. We were leaving the bus today and walking from the hotel, which we left at 09.00. Plants we noted on this stroll included Italian Bugloss, (*Anchusa italica = azurea*), Water Figwort, Yellow Loosestrife and Red Bartsia. We found more Colorado Beetles, as well as Mint Leaf Beetles, yet another superb bush-cricket, *Ephippiger ephippiger*, with the butterflies, as always providing additional interest in Green-veined White and Sooty Copper, with a Poplar Hawkmoth for good measure. Eastern Olivaceous Warbler, Corn Bunting, Grey Partridge and a Quail heard calling were the pick of the birds. Our destination was a small restaurant beside a lake stocked with trout, so instead of our usual picnic today was a Balkan Trout lunch. Among the species we found in the area adjacent to the restaurant were Lapwing, False Grayling, Spotted Fritillary, Garden Tiger Moth, Velvet Ant and Field Cricket. At 15.45 we left here and returned to meadows above Dobrinishte. Rose Campion (*Lychnis coronaria*) and the large mayfly species *Ephemera vulgata* were further additions to the list. Back at the hotel at 17.45 our evening meal at the hotel was again followed by a run through of the day's lists.

Day 8

Saturday 6th August

Return to Sofia and flight to Heathrow via Rila Monastery

Weather: Sunny, dry and warm

There was no time for an early morning walk, as we needed to make an early departure to complete our itinerary. Breakfast was at 06.45 and after all had settled their accounts, the minibus was loaded up with our luggage and we left at 07.45. We arrived at the Rila Monastery at 09.15. This is a really beautiful and amazing place and well worth a visit, so we did not want people to miss it. Nonetheless we had to restrict our stay to just 45 minutes. In addition to enjoying the cultural interest we did also see Grey Wagtail and Pallid Swifts. Ten minutes after leaving here we had another 40 minute stop scheduled by the riverside. This was primarily in the hope that we might find Poplar Admiral Butterfly, in which we were successful with just one individual, settled briefly (and potentially photogenically) at a puddle in the road, but then disturbed by a truck it flew up into a tree where we were fortunately still able to observe it through binoculars. Also here we had Purple Emperor and Scarce Copper as well as a few other insect species, including another bush-cricket *Leptophyes alborivittata*.

Leaving here at 10.40 we drove back towards Sofia adding Jackdaw and Rook on the way. Once within easy range we were able to make a short comfort stop and to purchase sandwiches and coffee at 12.20, eventually arriving at the airport at 13.15. We said our farewells and thanks to Mario and Mitko and were all checked in very quickly, boarding our flight at 14.00 hrs and arrived back at Heathrow a few minutes early. Luggage was already arriving on the carousel when we reached the baggage reclaim hall so it only remained for everyone to collect their belongings, say their goodbyes and make their way home to various locations around the country

Summary

In the short space of a week we had enjoyed a great variety of wildlife and scenery in a beautiful part of Bulgaria. We saw only four fewer species than in the previous year, whilst the number of butterflies seen (88) was the highest ever for this tour. By a very considerable margin the numbers of plants, invertebrates and overall biodiversity was higher than has been recorded on previous tours...

Acknowledgements

My thanks go to all members of the group for their company, good humour and patience, as well as for many contributions to the lists. Several of the group sent me images for identification to further add to the lists with Sally Hammond also tracking down some very helpful identifications. My thanks also go to Mario Langourov as co-leader, for his guidance and for his entomological knowledge in particular. Thanks also to our careful driver and those staff in the hotels who did do their best for us. I must also thank my good friend Dimitar Dimotrov (also known as Mitko) for help with some plant queries and Dragan Chobonov (Orthoptera) both these two from the Natural History Museum in Sofia. I am also very grateful to the following contacts from various countries for assistance in identification or in checking my own identifications for various groups: Paul Beuk (Diptera), Ian Dawson (spiders), Sean Karley (gall), Stephane Lebrun (Diptera), Colin Plant (moths), Martin Rejzek (Longhorn Beetles), Malcolm Smart (Diptera), Christian Schmid-Egger (Hymenoptera), Ian Wallace (Caddis) and Theo Zeegers (Horseflies).

Highlights of the week

Bob Snellgrove	Apollo/ Balkan Fritillary
Sandra Snellgrove	Apollo/ Balkan Fritillary
Bob Winter	The view from Bezbog lake back to where Mavis was sitting/ Red-backed Shrike
Mavis Winter	Scarce Swallowtail/ sitting by Bezbog Lake
Ian Alston	Scarce Swallowtail and all the Wood Whites
Paula Alston	Clouded Yellow and both Swallowtails
Marion Emberson	Squacco Heron and Nutcracker
Richard Graves	Giant Antlion and sheer numbers of Red-backed Shrikes
Hazel Graves	12 Silver-washed Fritillaries on Spearwort at once/ Violet Carpenter Bee
Andrew Eadie	All the different grasshoppers and bush-crickets/ juvenile grass snake
Sally Hammond	The Blues especially Lang's Short-tailed Blue
Helen Hewland	Meadows in general but especially Popovi Livadi with Apollo
Pattie Outen	Scarce Swallowtail and Apollo/ Red-rumped Swallows
Alan Outen	Wasp Spiders and Banded Darter
Mario Langourov	<i>Iris oratoria</i> (mantis) & Giant Water Bug

Species Accounts

Plants

Scientific Name	Common Name	Dates
PTERIDOPHYTES		
<i>Equisetum arvense</i>	Common Horsetail	04; 05;
<i>Athyrium filix-foemina</i>	Lady Fern	03; 04;
<i>Cystopteris fragilis</i>	Brittle Bladder Fern	04;
<i>Dryopteris filix-mas</i>	Male Fern	30; 03; 04;
<i>Gymnocarpium dryopteris</i>	Oak Fern	04;
<i>Polystichum lonchitis</i>	Holly Fern	03; 04;
<i>Pteridium aquilinum</i>	Bracken	02;
GYMNOSPERMS		
Conifers and Allies		
Pinaceae		
Pine family		
<i>Abies borisii-regis</i>		04; 05;
<i>Picea abies</i>	Norway Spruce	02; 03; 04;
<i>Pinus leucodermis</i>	Bosnian Pine	03;
<i>Pinus mugo</i>	Dwarf Mountain-pine	03; 04;
<i>Pinus peuce</i>	Macedonian Pine	03;
<i>Pinus sylvestris</i>	Scot's Pine	31;
Cupressaceae		
Cypress family		
<i>Cupressus sempervirens</i>	Mediterranean Cypress	30;
<i>Juniperus communis</i>	Juniper	02;
<i>Juniperus excelsa</i>	Greek Juniper	31;
ANGIOSPERMS		
Flowering Plants		
Aceraceae		
Maple family		
<i>Acer campestre</i>	Field Maple	03;
<i>Acer pseudoplatanus</i>	Sycamore	06;
Anacardiaceae		
<i>Rhus typhina</i>		30;
Apiaceae		
Carrot family		
<i>Angelica sylvestris</i>	Angelica	30;
<i>Bupleurum sibthorpiatum (=falcatum)</i>	Sickle-leaf Hare's-ear	03;
<i>Daucus carota</i>	Wild Carrot	31; 03;
<i>Eryngium campestre</i>	Field Eryngo	31; 01;
<i>Foeniculum vulgare</i>	Fennel	31;
<i>Heracleum sibiricum</i>	Siberian Hogweed	31; 03;
<i>Heracleum sphondylium</i>	Hogweed	03;
<i>Pastinaca sativa</i>	Wild Parsnip	30; 02;
<i>Torilis japonica</i>	Upright Hedge Parsley	30; 05;
Araliaceae		
<i>Hedera helix</i>	Ivy	31;

Scientific Name	Common Name	Dates
Aristolochiaceae		
<i>Aristolochia rotunda</i>	Round-leaved Birthwort	31;
Asteraceae		
Daisy family		
<i>Achillea millefolium</i>	Yarrow	30; 05;
<i>Achillea clypeolata</i>		31; 01; 03;
<i>Achillea coarctata</i>		01;
<i>Arctium minus</i>	Lesser Burdock	30; 02; 05;
<i>Arnica montana</i>	Arnica	04;
<i>Artemisia vulgaris</i>	Mugwort	30; 02;
<i>Aster alpinus</i>	Alpine Aster	03;
<i>Calendula officinalis</i>	Pot Marigold	05;
<i>Carduus kernerii</i>		04;
<i>Carduus personata</i>	Great Marsh Thistle	02;
<i>Carlina acinthifolia</i>		03;
<i>Centaurea diffusa</i>		31;
<i>Centaurea jacea</i>	Brown Knapweed	05;
<i>Centaurea nervosa</i>		03; 04;
<i>Centaurea rutifolia</i>		05;
<i>Centaurea salonitana</i> var. <i>macrantha</i>		31;
<i>Centaurea solstitialis</i>	St Barnaby's Thistle	30;
<i>Centaurea stoebe</i>		02;
<i>Chondrilla juncea</i>	Skeletonweed	31; 02;
<i>Chrysanthemum (=Glebionis) segetum</i>	Corn Marigold	05;
<i>Cichorium intybus</i>	Chicory	30; 02; 03;
<i>Cirsium arvense</i>	Creeping Thistle	05;
<i>Cirsium canum</i>	Queen Anne's Thistle	03; 05;
<i>Cirsium creticum</i>	Cretan Thistle	30;
<i>Cirsium ligulare</i>		02; 04;
<i>Cirsium vulgare</i>	Spear Thistle	30;
<i>Conyza canadensis</i>	Canadian Fleabane	31;
<i>Doronicum austriacum</i>	Austrian Leopard's-bane	04;
<i>Echinops sphaerocephalus</i>	Pale Globe-thistle	31; 03;
<i>Erigeron acer</i>	Blue Fleabane	05;
<i>Erigeron annuus</i>	Annual Fleabane	31;
<i>Erigeron atticus</i>	Greek Fleabane	03;
<i>Eupatorium cannabinum</i>	Hemp Agrimony	30; 02; 03;
<i>Galinosoga parviflora</i>	Gallant Soldier	05;
<i>Inula aschersoniana</i>		31;
<i>Inula conyza</i>	Ploughman's Spikenard	30;
<i>Lactuca serriola</i>	Prickly Lettuce	02;
<i>Matricaria discoidea</i>	Pineapple Mayweed	04;
<i>Mycelis muralis</i>	Wall Lettuce	02; 03; 05;
<i>Petasites albus</i>	White Butterbur	05;
<i>Pilosella aurantiaca</i>	Orange Hawkweed	04;
<i>Pilosella officinarum (Hieracium pilosella)</i>	Mouse-ear Hawkweed	02; 05;
<i>Pulicaria dysenterica</i>	Common Fleabane	01; 05;
<i>Scolymus hispanicus</i>	Spanish Oyster Thistle	01;
<i>Senecio glaberrimus</i>		04;
<i>Senecio jacobaea</i>	Common Ragwort	04;
<i>Solidago gigantea</i>	Giant Goldenrod	01;
<i>Solidago virgaurea</i>	Goldenrod	03;

Scientific Name	Common Name	Dates
<i>Sonchus oleraceus</i>	Smooth Sowthistle	30;
<i>Tanacetum vulgare</i>	Tansy	03; 04;
<i>Taraxacum officinale</i>	Dandelion	30; 05;
<i>Telekia speciosa</i>	Heart-leaved Ox-eye	06;
<i>Tripleurospermum inodorum</i>	Scentless Mayweed	02; 03;
<i>Tussilago farfara</i>	Coltsfoot	31; 05;
<i>Xanthium spinosum</i>	Spiny Cocklebur	01;
<i>Xeranthemum annuum</i>	Pink Everlasting	01; 03;
Balsaminaceae	Balsam family	
<i>Impatiens glandulifera</i>	Himalayan Babsam	30; 05;
<i>Impatiens noli-tangere</i>	Touch-me-not	30;
Betulaceae	Birch family	
<i>Alnus glutinosa</i>	Alder	30; 02; 05;
<i>Betula pendula</i>	Silver Birch	02;
Bignoniaceae		
<i>Catalpa bignonioides</i>	Indian Bean Tree	31; 02;
Boraginaceae	Borage family	
<i>Anchusa italica (=azurea)</i>	Italian Bugloss	31; 05;
<i>Buglossoides (Lithospermum) arvensis</i>	Field Gromwell	31;
<i>Echium vulgare</i>	Viper's Bugloss	02; 03; 04;
<i>Echium italicum</i>	Italian Viper's Bugloss	31;
<i>Heliotropium europaeum</i>	European Heliotrope	01;
<i>Myosotis arvensis</i>	Field Forget-me-not	02;
<i>Myosotis scorpioides</i>	Water Forget-me-not	05;
Brassicaceae		
<i>Capsella bursa-pastoris</i>	Shepherds Purse	06;
<i>Sisymbrium officinale</i>	Hedge Mustard	03;
Buddleiaceae		
<i>Buddleia davidii</i>	Buddleia	06;
Campanulaceae	Bellflower family	
<i>Asyneuma canescens</i>		03;
<i>Campanula alpina</i>	Alpine Bellflower	04;
<i>Campanula cochlearifolia</i>	Fairies Thimble	04;
<i>Campanula glomerata</i>	Clustered Bellflower	03;
<i>Campanula patula</i>	Spreading Bellflower	02; 04;
<i>Campanula persicifolia</i>	Peach-leaved Bellflower	03;
<i>Campanula rotundifolia</i>	Harebell	03;
<i>Campanula trachelium</i>	Nettle-leaved Bellflower	30; 02; 03;
<i>Jasione bulgarica</i>	Bulgarian Sheep's-bit	01; 02; 04;
<i>Legousia speculum-veneris</i>	Large Venus Looking Glass	01;
Cannabiaceae	Hemp family	
<i>Celtis australis</i>	Nettle Tree	31;
<i>Humulus lupulus</i>	Hop	31; 02; 05;

Scientific Name	Common Name	Dates
Caprifoliaceae		
Honeysuckle family		
<i>Sambucus ebulus</i>	Dwarf Elder / Danewort	30; 02;
<i>Sambucus nigra</i>	Elder	03; 06;
Caryophyllaceae		
Pink family		
<i>Cerastium alpinum</i>	Alpine Stitchwort	04;
<i>Cerastium fontanum</i>	Common Mouse-ear Chickweed	04;
<i>Cucubalus baccifer</i>	Berry Catchfly	03; 05;
<i>Dianthus cruentus</i>		05;
<i>Dianthus deltoides</i>	Maiden Pink	31; 01; 02;
<i>Dianthus gracilis</i>		05;
<i>Dianthus microlepis</i>		04;
<i>Dianthus petraeus</i>		03;
<i>Dianthus pontederiae</i>	Tall Pink	30;
<i>Lychnis coronaria</i>	Rose Campion	05;
<i>Lychnis flos-cuculi</i>	Ragged Robin	04;
<i>Myosoton aquaticum</i>	Water Chickweed	30; 05;
<i>Petrorhagia velutina (Kohlrauschia)</i>	Childing Pink	31; 02;
<i>Saponaria officinalis</i>	Soapwort	30; 03;
<i>Scleranthus perennis</i>	Perennial Knawel	04;
<i>Silene acaulis</i>	Moss Campion	04;
<i>Silene alba</i>	White Campion	04;
<i>Silene vulgaris</i>	Bladder Campion	03; 04;
<i>Stellaria graminea</i>	Lesser Stitchwort	02;
<i>Stellaria media</i>	Common Chickweed	04;
Ceratophyllaceae		
<i>Ceratophyllum demersum</i>	Rigid Hornwort	01;
Chenopodiaceae		
Goosefoot family		
<i>Chenopodium album</i>	Fat Hen	30; 05;
<i>Chenopodium bonus-henricus</i>	Good King Henry	04;
<i>Chenopodium botrys</i>		05;
Cistaceae		
Rockrose family		
<i>Helianthimum nummularium</i>	Common Rockrose	03;
Convolvulaceae		
Bindweed family		
<i>Calystegia sepium</i>	Hedge Bindweed	02; 05;
<i>Convolvulus arvensis</i>	Field Bindweed	31; 02;
<i>Cuscuta campestris</i>	a Dodder	02;
<i>Cuscuta europaea</i>	Greater Dodder (on <i>Urtica dioica</i>)	03;
Cornaceae		
<i>Cornus sanguineus</i>	Dogwood	30; 04;
Corylaceae		
<i>Corylus avellana</i>	Hazel	30; 04;
Crassulaceae		
Stonecrop family		
<i>Sedum album</i>	White Stonecrop	30; 03; 06;
<i>Sedum ochroleucum</i>	Creamish Stonecrop	03;

Scientific Name	Common Name	Dates
Dipsacaceae	Teasel family	
<i>Dipsacus laciniatus</i>	Cut-leaved Teasel	03; 05;
<i>Knautia midzorensis</i>		04;
<i>Scabiosa argentea</i>		31;
<i>Scabiosa ochroleuca</i>	Yellow Scabious	02;
Ericaceae	Heather family	
<i>Vaccinium myrtillus</i>	Bilberry	03; 04;
Euphorbiaceae	Spurge family	
<i>Euphorbia amygdaloides</i>	Wood Spurge	02;
<i>Euphorbia cyparissias</i>	Cypress Spurge	31; 02; 03;
<i>Euphorbia myrsinites</i>	Glaucous Spurge	31;
Fabaceae	Pea family	
<i>Coronilla varia</i>	Crown Vetch	03;
<i>Galega officinalis</i>	Goat's Rue	01; 02;
<i>Laburnum anagyroides</i>	Laburnum	30;
<i>Lotus corniculatus</i>	Bird's-foot Trefoil	01; 02;
<i>Lotus pedunculatus (=uliginosus)</i>	Greater Bird's-foot Trefoil	04;
<i>Medicago lupulina</i>	Black Medick	30; 03;
<i>Melilotus albus</i>	White Melilot	30; 02; 03;
<i>Melilotus indica</i>	Small Melilot	30;
<i>Ononis spinosa</i>	Spiny Restharrow	31; 02;
<i>Psoralea (Bituminaria) bituminosa</i>	Pitch Trefoil	02;
<i>Robinia pseudoacacia</i>	False Acacia	31;
<i>Trifolium arvense</i>	Haresfoot Clover	02; 05;
<i>Trifolium campestre</i>	Hop Trefoil	05;
<i>Trifolium dalmaticum</i>		05;
<i>Trifolium pratense</i>	Red Clover	05;
<i>Trifolium repens</i>	White Clover	30;
<i>Vicia cracca</i>	Tufted Vetch	30; 02; 05;
<i>Vicia varia</i>		01;
Fagaceae		
<i>Fagus sylvatica</i>	Beech	02; 04; 05;
Gentianaceae	Gentian family	
<i>Centaurium pulchellum</i>	Lesser Centaury	02;
<i>Gentiana cruciata</i>	Cross Gentian	02; 03; 05;
<i>Gentiana lutea</i>	Great Yellow Gentian	03;
Geraniaceae	Geranium family	
<i>Erodium cicutarium</i>	Common Storksbill	04; 05;
<i>Geranium macrorrhizum</i>	Rock Cranesbill	03;
<i>Geranium molle</i>	Dove's-foot Cranesbill	05;
<i>Geranium pyrenaicum</i>	Hedgerow Cranesbill	02; 03;
Grossulariaceae	Currant family	
<i>Ribes petraeum</i>	Rock Red Currant	03;
<i>Ribes uva-crispum</i>	Gooseberry	03;

Scientific Name	Common Name	Dates
Hippocastanaceae		
<i>Aesculus hippocastanum</i>	Horse Chestnut	31; 02;
Hypericaceae		
St John's-wort family		
<i>Hypericum tetrapterum</i>	Square-stalked St John's-wort	02; 04;
Juglandaceae		
Walnut family		
<i>Juglans regia</i>	Walnut	31; 03;
Lamiaceae		
Mint family		
<i>Acinos arvensis</i>	Basil Thyme	01; 02;
<i>Ballota nigra</i>	Black Horehound	30; 01; 03;
<i>Clinopodium vulgare</i>	Wild Basil	01; 03;
<i>Galeopsis tetrahit</i>	Common Hemp Nettle	30; 04; 05;
<i>Lamiaeum galeobdolon</i>	Yellow Archangel	05;
<i>Lamium purpureum</i>	Red Dead-nettle	31;
<i>Lycopus europaeus</i>	Gypsywort	01; 02;
<i>Marrubium peregrinum</i>		01;
<i>Mentha aquatica</i>	Water Mint	02;
<i>Mentha longifolia</i>	Horsemint	03;
<i>Mentha spicata</i>	Spear Mint	30; 03;
<i>Nepeta pannonica</i>		02;
<i>Origanum vulgare</i>	Marjoram	02;
<i>Prunella laciniata</i>	Cut-leaved Self-heal	02;
<i>Prunella vulgaris</i>	Self-heal	30; 02; 03;
<i>Salvia glutinosa</i>	Sticky Sage	30;
<i>Scutellaria alpina</i>	Alpine Skullcap	03;
<i>Scutellaria galericulata</i>	Skullcap	02;
<i>Stachys palustris</i>	Marsh Woundwort	30;
<i>Teucrium chamaedrys</i>	Wall Germander	03;
<i>Thymus sp.</i>	a Wild Thyme	02;
Lentibulariaceae		
Butterwort family		
<i>Pinguicula bulbanica</i>	Balkan Butterwort	03;
Lythraceae		
Loosestrife family		
<i>Lythrum salicaria</i>	Purple Loosestrife	31; 01;
Malvaceae		
Mallow family		
<i>Alcea rosea</i>	Hollyhock	05;
<i>Malva sylvestris</i>	Common Mallow	30;
Moraceae		
Mulberry family		
<i>Ficus carica</i>	Fig	30;
<i>Morus alba</i>	White Mulberry	02;
Oleaceae		
Olive family		
<i>Jasminum fruticans</i>	Wild Jasmine	31;
<i>Ligustrum vulgare</i>	Wild Privet	04;
<i>Phillyrea latifolia</i>		31;
<i>Syringa vulgaris</i>	Common Lilac	30;

Scientific Name	Common Name	Dates
Onagraceae	Willowherb family	
<i>Chamerion angustifolium</i>	Rosebay Willowherb	02; 04;
<i>Chamaerion dodonaei</i>		30; 03;
<i>Epilobium alpestre</i>	Alpine Willowherb	04;
<i>Epilobium hirsutum</i>	Great Willowherb	30; 02; 03; 05;
<i>Epilobium montanum</i>	Broad-leaved Willowherb	02;
Oxalidaceae		
<i>Oxalis corniculata</i>	Procumbent Yellow Sorrel	31;
Papaveraceae	Poppy family	
<i>Papaver rhoeas</i>	Common Poppy	roadsides;
Parnassiaceae		
<i>Parnassia palustris</i>	Grass of Parnassus	03; 04;
Plantaginaceae		
<i>Plantago arenaria (=indica)</i>	Branched Plantain	01; 02;
<i>Plantago major</i>	Greater Plantain	30; 31;
<i>Plantago media</i>	Hoary Plantain	02;
Platanaceae	Plane family	
<i>Platanus orientalis</i>	Oriental Plane	31;
Polygalaceae	Milkwort family	
<i>Polygala major</i>	Large Milkwort	03;
<i>Polygala vulgaris</i>	Common Milkwort	03;
Polygonaceae	Dock family	
<i>Fallopia japonica (=Reynoutria)</i>	Japanese Knotweed	30;
<i>Persicaria amphibia</i>	Amphibious Bistort	02;
<i>Persicaria hydropiper</i>	Water Pepper	02;
<i>Polygonum aviculare</i>	Knotgrass	03;
<i>Persicaria lapathifolia</i>	Pale Persicaria	04;
<i>Persicaria maculosa</i>	Redshank	31; 03;
<i>Rumex acetosa</i>	Common Sorrel	03; 04;
<i>Rumex acetosella</i>	Sheep Sorrel	04;
<i>Rumex alpinus</i>	Monk's Rhubarb	03; 04;
Primulaceae	Primrose family	
<i>Lysimachia nummularia</i>	Creeping Jenny	02;
<i>Lysimachia vulgaris</i>	Yellow Loosestrife	04; 05;
Ranunculaceae	Buttercup family	
<i>Caltha palustris</i>	Marsh Marigold	02;
<i>Clematis vitalba</i>	Traveller's Joy	30; 03;
<i>Delphinium peregrinum</i>	Violet Larkspur	31;
<i>Nigella arvensis</i>	Love-in-a-mist	31;
<i>Nigella elata</i>		03;
<i>Ranunculus acris</i>	Meadow Buttercup	03;

Scientific Name	Common Name	Dates
Rhamnaceae	Buckthorn family	
<i>Paliurus spina-christi</i>	Christ's Thorn	31; 01;
Rosaceae	Rose family	
<i>Agrimonia eupatoria</i>	Agrimony	30; 02; 03; 04;
<i>Alchemilla vulgaris</i> agg.	Lady's Mantle	04;
<i>Aremonia agrimonoides</i>	Bastard Agrimony	03;
<i>Crataegus monogyna</i>	Hawthorn	03;
<i>Filipendula ulmaria</i>	Meadowsweet	05;
<i>Fragaria vesca</i>	Wild Strawberry	02;
<i>Geum coccineum</i>	Red Avens	04;
<i>Geum montanum</i>	Alpine Avens	04;
<i>Potentilla aurea</i>	Golden Cinquefoil	04;
<i>Potentilla erecta</i>	Tormentil	02;
<i>Potentilla reptans</i>	Creeping Cinquefoil	02;
<i>Prunus domestica</i>	Wild Plum	03;
<i>Prunus spinosa</i>	Blackthorn	31; 01; 03;
<i>Pyrus communis</i>	Pear	04;
<i>Rubus caesius</i>	Dewberry	03; 05;
<i>Rubus idaeus</i>	Wild Raspberry	03;
<i>Sorbus aucuparia</i>	Rowan	03; 04;
Rubiaceae	Bedstraw family	
<i>Asperula cynanchica</i>	Squinancywort	05;
<i>Cruciata laevipes</i>	Crosswort	04;
<i>Galium anisophyllum</i>		04;
<i>Galium verum</i>	Lady's Bedstraw	30; 02;
Salicaceae	Willow family	
<i>Populus alba</i>	White Poplar	30;
<i>Populus nigra</i>	Black Poplar	30;
<i>Salix alba</i>	White Willow	30;
<i>Salix caprea</i>	Goat Willow	03;
<i>Salix cinerea</i>	Grey Willow	03;
<i>Salix elaeagnos</i>	Rosemary Willow	05;
<i>Salix fragilis</i>	Crack Willow	30; 05;
Saxifragaceae	Saxifrage family	
<i>Saxifraga rotundifolia</i>	Round-leaved Saxifrage	04;
Scrophulariaceae	Figwort family	
<i>Digitalis ambigua</i> (=grandiflora)	Large Yellow Foxglove	03;
<i>Digitalis lanata</i>	Woolly Foxglove	02;
<i>Euphrasia minima</i>	Dwarf Eyebright	04;
<i>Euphrasia officinalis</i> agg.	Eyebright	02; 03; 04;
<i>Linaria genistifolia</i>	Dalmatian Toadflax	02;
<i>Linaria vulgaris</i>	Common Toadflax	03;
<i>Odontites verna</i>	Red Bartsia	05;
<i>Rhinanthus minor</i>	Yellow Rattle	03;
<i>Scrophularia auriculata</i>	Water Figwort	05;
<i>Scrophularia nodosa</i>	Common Figwort	04;
<i>Verbascum longifolium</i>		03;

Scientific Name	Common Name	Dates
<i>Verbascum sinuatum</i>	Wavy-leaf Mullein	31;
<i>Verbascum speciosum</i>		03;
<i>Verbascum thapsus</i>	Great Mullein	03;
<i>Veronica anagallis-aquatica</i>	Blue Water Speedwell	05;
<i>Veronica beccabunga</i>	Brooklime	01;
Solanaceae	Nightshade family	
<i>Datura stramonium</i>	Thorn Apple	30;
<i>Solanum dulcamara</i>	Bittersweet	30; 02; 05;
<i>Solanum nigrum</i>	Black Nightshade	30; 02; 03;
Tamaricaceae		
<i>Tamarix smyrnensis</i>		01;
Tiliaceae		
<i>Tilia x vulgaris</i>	Common Lime	30; 02;
Urticaceae	Nettle family	
<i>Parietaria judaica</i>	Pellitory of the Wall	31;
<i>Urtica dioica</i>	Stinging Nettle	30;
Valerianaceae		
<i>Centranthus ruber</i>	Red Valerian	31;
<i>Valeriana officinalis</i>	Common Valerian	05;
Verbenaceae		
<i>Verbena officinalis</i>	Vervain	31; 01;
Violaceae		
<i>Viola arvensis</i>	Field Pansy	02;
<i>Viola canina</i>	Heath Dog Violet	02;
<i>Viola tricolor</i>	Heartsease	03;
Zygophyllaceae		
<i>Tribulus terrestris</i>	Maltese Cross	31;
Alismataceae		
<i>Alisma plantago-aquatica</i>	Common Water Plantain	01; 02; 05;
Araceae	Arum family	
<i>Arum maculatum</i>	Cuckoo Pint	01; 03;
Butomaceae		
<i>Butomus umbellatus</i>	Flowering Rush	31;
Cyperaceae		
<i>Carex rostrata</i>	Bottle Sedge	02;
<i>Cyperus fuscus</i>	Brown Galingale	01;
<i>Eriophorum angustifolium</i>	Common Cotton Grass	04;
<i>Scirpus lacustris</i>	Common Clubrush	02;

Scientific Name	Common Name	Dates
Dioscoreaceae		
<i>Tamus communis</i>	Black Bryony	30;
Juncaceae		
Rush family		
<i>Juncus articulatus</i>	Jointed Rush	03; 04;
<i>Juncus conglomeratus</i>	Compact Rush	03;
<i>Juncus inflexus</i>	Hard Rush	02;
Lemnaceae		
<i>Lemna minor</i>	Common Duckweed	01;
Liliaceae		
Lily family		
<i>Allium carinatum</i>	Keeled Garlic	04;
<i>Allium flavum</i>	Yellow Onion	03;
<i>Asparagus acutifolius</i>		31;
<i>Lloydia serotina</i>	Snowdon Lily	04;
<i>Veratrum album</i>	False White Helleborine	03; 04;
Orchidaceae		
Orchid family		
<i>Dactylorhiza fuchsii</i>	Common Spotted Orchid	02;
<i>Neottia nidus-avis</i>	Bird's-nest Orchid	04;
Poaceae		
<i>Arrhenatherum elatius</i>	False Oat-grass	03;
<i>Briza media</i>	Quaking Grass	04;
<i>Cynosurus cristatus</i>	Crested Dog's-tail	02.
<i>Dactylis glomerata</i>	Cock'sfoot	03;
<i>Echinochloa crus-galli</i>	Cockspur Grass	02;
<i>Hordeum murinum</i>	Wall Barley	31; 03;
<i>Lolium perenne</i>	Perennial Rye Grass	03;
<i>Nardus stricta</i>	Mat Grass	04;
<i>Phleum commutatum (=alpinum)</i>	Alpine Timothy Grass	04;
<i>Phleum pratense</i>	Timothy Grass	03;
<i>Phragmites australis</i>	Common Reed	31;
Sparganiaceae		
<i>Sparganium erectum</i>	Branched Bur-reed	01;
<i>Sparganium emersum</i>	Unbranched Bur-reed	04;
Typhaceae		
<i>Typha domingensis</i>		01;
<i>Typha latifolia</i>	Great Reedmace	01; 02;

BRYOPHYTES

(Mosses & Liverworts)

<i>Anomodon viticulosus</i>	Rambling Tail-moss	03;
<i>Aulacomnium palustre</i>	Bog Bead-moss	04;
<i>Brachythecium rutabulum</i>	Rough-stalked Feather-moss	01;
<i>Climacium dendroides</i>	Tree-moss	02;
<i>Homalothecium sericeum</i>	Silky Wall Feather-moss	01;
<i>Hypnum cupressiforme</i>	Cypress-leaved Plait-moss	01;
<i>Philonotis fontana</i>	Fountain Apple-moss	04;

<i>Plagiomnium affine</i>	Many-fruited Thyme-moss	06;
<i>Polytrichum piliferum</i>	Bristly Hair-cap	04;

FUNGI

<i>Bovista plumbea</i>	Grey Puffball	03;
<i>Cantharellus cibarius</i>	Chanterelle	02;
<i>Conocybe lactea</i>		04;
<i>Handkea utriformis</i>	Mosaic Puffball	04;
<i>Parasola (=Coprinus) plicatilis</i>	Pleated Inkcap	04;
<i>Suillus cf. viscidus</i>		06;
<i>Volvariella bombycina</i>	Silky Rosegill	01;
<i>Gymnosporangium cornutum</i>	on <i>Sorbus aucuparia</i>	03; 04;
<i>Melampsora caprearum</i>	on <i>Salix caprea</i>	03; 04;
<i>Phragmidium mucronatum</i>	on <i>Rosa</i> sp.	03;
<i>Phragmidium violaceum</i>	on <i>Rubus fruticosus</i> agg	06;
<i>Puccinia poarum</i>	on <i>Tussilago farfara</i>	30;
<i>Erysiphe sordida</i>	On <i>Plantago major</i>	30; 31;
<i>Ramularia rubella</i>	On <i>Rumex acetosa</i>	04;
<i>Rhytisma acerinum</i>	On <i>Acer pseudoplatanus</i>	06;
<i>Septoria cornicola</i>	On <i>Cornus sanguinea</i>	04;
<i>Septoria rosae</i>	On <i>Rosa</i> sp.	04;
<i>Septoria rubi</i>	On <i>Rubus fruticosus</i> agg	06;
<i>Taphrina tosquinetii</i>	On <i>Alnus glutinosa</i>	05;

Birds (h = heard only; ✓ = seen but not counted)

Common Name	Scientific Name	July/August							
		30	31	01	02	03	04	05	06
Grey Partridge	<i>Perdix perdix</i>							✓	
Common Quail	<i>Coturnix coturnix</i>							h	
Little Grebe	<i>Tachybaptus ruficollis</i>				✓				
White Stork	<i>Ciconia ciconia</i>	✓	✓	✓	✓	✓	✓	✓	✓
Squacco Heron	<i>Ardeola ralloides</i>				✓				
Grey Heron	<i>Ardea cinerea</i>		✓	✓					
Purple Heron	<i>Ardea purpurea</i>				✓				
Little Egret	<i>Egretta garzetta</i>		✓						
Great Cormorant	<i>Phalacrocorax carbo</i>	✓		✓					
Short-toed Snake Eagle	<i>Circaetus gallicus</i>		✓	✓					
Western Marsh Harrier	<i>Circus aeruginosus</i>			✓					
Common Buzzard	<i>Buteo buteo</i>	✓	✓	✓	✓	✓	✓	✓	✓
Long-legged Buzzard	<i>Buteo rufinus</i>		✓	✓					
Common Kestrel	<i>Falco tinnunculus</i>	✓	✓	✓					
Eurasian Hobby	<i>Falco subbuteo</i>				✓	✓			
Common Moorhen	<i>Gallinula chloropus</i>			✓	✓				
Eurasian Coot	<i>Fulica atra</i>			✓	h				
Northern Lapwing	<i>Vanellus vanellus</i>							✓	
Common Ringed Plover	<i>Charadrius hiaticula</i>			✓					
Common Sandpiper	<i>Actitis hypoleucos</i>			✓					
Common Pigeon/Rock Dove	<i>Columba livia(feral)</i>	✓	✓	✓	✓		✓		✓

Common Name	Scientific Name	July/August							
		30	31	01	02	03	04	05	06
Common Wood Pigeon	<i>Columba palumbus</i>		✓			✓		✓	
European Turtle Dove	<i>Streptopelia turtur</i>			✓					
Eurasian Collared Dove	<i>Streptopelia decaocto</i>		✓	✓	✓	✓			✓
Eurasian Scops Owl	<i>Otus scops</i>			h					
Little Owl	<i>Athene noctua</i>			h			h		
Common Swift	<i>Apus apus</i>	✓	✓	✓	✓	✓		✓	
European Roller	<i>Coracias garrulus</i>	✓							
Pallid Swift	<i>Apus pallidus</i>						✓		✓
Common Kingfisher	<i>Alcedo atthis</i>			✓	✓				
European Bee-Eater	<i>Merops apiaster</i>		✓	✓	✓				
Eurasian Hoopoe	<i>Upupa epops</i>			✓	✓	✓	✓	✓	
Syrian Woodpecker	<i>Dendrocopos syriacus</i>		✓						
Great Spotted Woodpecker	<i>Dendrocopos major</i>				✓	✓			
European Green Woodpecker	<i>Picus viridis</i>			✓	✓	✓			
Red-backed Shrike	<i>Lanius collurio</i>			✓	✓	✓	✓	✓	
Lesser Grey Shrike	<i>Lanius minor</i>			✓					
Woodchat Shrike	<i>Lanius senator</i>		✓	✓	✓				
Eurasian Golden Oriole	<i>Oriolus oriolus</i>		✓	h		h	✓	✓	
Eurasian Jay	<i>Garrulus glandarius</i>			✓	✓	✓			✓
Eurasian Magpie	<i>Pica pica</i>	✓	✓	✓	✓	✓		✓	✓
Spotted Nutcracker	<i>Nucifraga caryocatactes</i>				h	✓	✓		
Western Jackdaw	<i>Coloeus monedula</i>								✓
Rook	<i>Corvus frugilegus</i>								✓
Hooded Crow	<i>Corvus cornix</i>			✓					✓
Northern Raven	<i>Corvus corax</i>		✓		✓			h	
Marsh Tit	<i>Poecile palustris</i>	✓							
Coal Tit	<i>Parus ater</i>				✓	✓	✓		
Great Tit	<i>Parus major</i>	✓	✓		✓	✓		✓	
Eurasian Blue Tit	<i>Cyanistes caeruleus</i>			✓				✓	
Crested Lark	<i>Galerida cristata</i>		✓		✓				
Barn Swallow	<i>Hirundo rustica</i>	✓	✓	✓	✓	✓	✓	✓	✓
Eurasian Crag Martin	<i>Ptyonoprogne rupestris</i>		✓						
Common House Martin	<i>Delichon urbicum</i>	✓	✓	✓	✓	✓	✓	✓	✓
Red-rumped Swallow	<i>Cecropis daurica</i>		✓	✓	✓	✓	✓	✓	
Long-tailed Tit	<i>Aegithalos caudatus</i>				✓				
Common Chiffchaff	<i>Phylloscopus collybita</i>			h	✓				
Great Reed Warbler	<i>Acrocephalus arundinaceus</i>			✓	✓				
Sedge Warbler	<i>Acrocephalus schoenobaenus</i>					✓			
Eastern Olivaceous Warbler	<i>Iduna pallida</i>							✓	
Eurasian Blackcap	<i>Sylvia atricapilla</i>	✓		✓	✓			✓	
Garden Warbler	<i>Sylvia borin</i>				✓				
Lesser Whitethroat	<i>Sylvia curruca</i>						✓		
Common Whitethroat	<i>Sylvia communis</i>			✓	✓				
Common Firecrest	<i>Regulus ignicapilla</i>				✓				
Goldcrest	<i>Regulus regulus</i>				✓				
Eurasian Wren	<i>Troglodytes troglodytes</i>				✓	✓	✓		
Eurasian Nuthatch	<i>Sitta europaea</i>					✓			
Common Starling	<i>Sturnus vulgaris</i>	✓	✓	✓	✓		✓	✓	
Common Blackbird	<i>Turdus merula</i>	✓	✓	✓	✓	✓	✓	✓	✓
Song Thrush	<i>Turdus philomelos</i>				✓	✓			

Common Name	Scientific Name	July/August							
		30	31	01	02	03	04	05	06
Mistle Thrush	<i>Turdus viscivorus</i>					✓	✓	✓	
European Robin	<i>Erithacus rubecula</i>					✓		✓	
Common Nightingale	<i>Luscinia megarhynchos</i>			✓				✓	
Black Redstart	<i>Phoenicurus ochruros</i>						✓	✓	✓
Pied Wheatear	<i>Oenanthe pleschanka</i>			✓					
House Sparrow	<i>Passer domesticus</i>	✓	✓	✓	✓	✓	✓	✓	✓
Spanish Sparrow	<i>Passer hispaniolensis</i>				✓				
Eurasian Tree Sparrow	<i>Passer montanus</i>			✓	✓	✓		✓	
Grey Wagtail	<i>Motacilla cinerea</i>		✓						✓
White Wagtail	<i>Motacilla alba</i>		✓	✓	✓	✓		✓	
Common Chaffinch	<i>Fringilla coelebs</i>		✓		✓	✓	✓	✓	✓
European Serin	<i>Serinus serinus</i>				✓	✓			
European Greenfinch	<i>Carduelis chloris</i>			✓		✓	✓	✓	
Eurasian Siskin	<i>Carduelis spinus</i>					✓			
European Goldfinch	<i>Carduelis carduelis</i>		✓	✓	✓	✓	✓	✓	
Common Linnet	<i>Carduelis cannabina</i>						✓		
Red Crossbill	<i>Loxia curvirostra</i>					✓	✓		
Hawfinch	<i>Coccothraustes coccothraustes</i>		✓						
Corn Bunting	<i>Emberiza calandra</i>							✓	
Yellowhammer	<i>Emberiza citrinella</i>				h	✓	✓	✓	
Cirl Bunting	<i>Emberiza cirlus</i>				✓				

Common name	Scientific name	Dates
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Mammals

Bat sp.		31;
Red Squirrel	<i>Sciurus vulgaris</i>	03;
Eastern Hedgehog	<i>Erinaceus concolor (=roumanicus)</i>	31 †; 06†;
Lesser White-toothed Shrew	<i>Crocidura suaveolens</i>	03 †;
Common European Mole	<i>Talpa europaea</i>	04 †;
Badger	<i>Meles meles</i>	31 †;
Weasel	<i>Mustela nivalis</i>	05;
Fox	<i>Vulpes vulpes</i>	30;
Roe Deer	<i>Capreolus capreolus</i>	30;

Reptiles/Amphibians

European Pond Terrapin	<i>Emys orbicularis</i>	01;
Kotschy's Gecko	<i>Cyrtopodion kotschyi bibroni</i>	31;
Green Lizard	<i>Lacerta viridis</i>	31;
Balkan Green Lizard	<i>Lacerta trilineata</i>	01; 02;
Common Wall Lizard	<i>Podarcis muralis</i>	02; 03;
Viviparous Lizard	<i>Zootoca (=Lacerta) vivipara</i>	04;
Balkan Wall Lizard	<i>Podarcis taurica</i>	01;
Grass Snake	<i>Natrix natrix</i>	01;
Green Toad	<i>Bufo viridis</i>	05 †;
Common Frog	<i>Rana temporaria</i>	30; 03; 04; 05;
Marsh Frog	<i>Pelodytes (Rana) ridibundus</i>	30; 31; 01; 02;

Fish		
Balkan Trout	<i>Salmo trutta fario</i>	04;

Lepidoptera (Butterflies)

Common name	Scientific name	Dates Recorded
Grizzled Skipper	<i>Pyrgus malve</i>	30; 31; 01; 03;
Orbed Red-Underwing Skipper	<i>Spialia orbifer</i>	01;
Olive Skipper	<i>Pyrgus serratulae</i>	03;
Oriental Marbled Skipper	<i>Carcharodes orientalis</i>	31;
Dingy Skipper	<i>Erynnis tages</i>	30; 31; 05;
Lulworth Skipper	<i>Thymelicus acteon</i>	03; 05;
Essex Skipper	<i>Thymelicus lineola</i>	30; 04;
Small Skipper	<i>Thymelicus sylvestris</i>	30; 03; 04; 05;
Large Skipper	<i>Ochlodes venatus</i>	30; 02; 03; 04; 06;
Apollo	<i>Parnassius apollo</i>	02;
Swallowtail	<i>Papilio machaon</i>	31; 01; 02;
Scarce Swallowtail	<i>Iphiclides podalirius</i>	30; 31; 01; 02; 03; 04; 05;
Small White	<i>Artogeia rapae</i>	30; 31; 01; 02; 03; 04; 05;
Southern Small white	<i>Artogeia manni</i>	05;
Green-veined White	<i>Artogeia napi</i>	05;
Eastern Bath White	<i>Pontia edusa</i>	31; 01; 02;
Large White	<i>Pieris brassicae</i>	31; 01; 02; 03; 05;
Clouded Yellow	<i>Colias crocea</i>	30; 31; 01; 02; 03; 04; 05;
Wood White	<i>Leptidea sinapis</i>	30; 31; 01; 03; 04; 05;
Eastern Wood White	<i>Leptidea duponcheli</i>	02;
Small Copper	<i>Lycaena phlaeas</i>	31; 01; 03;
Scarce Copper	<i>Lycaena virgaureae</i>	02; 04; 06;
Sooty Copper	<i>Lycaena tityrus</i>	30; 05;
Purple-shot Copper	<i>Lycaena alciphron</i>	01; 02; 04;
Large Copper	<i>Lycaena dispar</i>	30; 31; 02; 04;
Little Tiger Blue	<i>Tarucus balkanicus</i>	31; 01;
Lang's Short-tailed Blue	<i>Leptotes pirithous</i>	01;
Holly Blue	<i>Celastrina argiolus</i>	30; 31; 02; 04; 05;
Mountain Alcon Blue	<i>Maculinea rebeli</i>	02; 03;
Silver-studded Blue	<i>Plebeius argus</i>	31; 03; 05;
Reverdin's Blue	<i>Plebeius argyrognomon</i>	31; 05;
Anomalous Blue	<i>Plebeius (=Agrodiaetus) admetus</i>	30; 31;
undescribed Bulgarian Anomalous Blue	sp. nov.	03;
Blue Argus	<i>Ultraaricia anteros</i>	03;
Brown Argus	<i>Aricia agestis</i>	30; 31; 01; 02; 03; 04; 05;
Short-tailed Blue	<i>Everes argiades</i>	30; 31; 01; 02;
Provencal Short-tailed Blue	<i>Everes alcetas</i>	30;
Turquoise Blue	<i>Plebicula dorylas</i>	03;
Meleager's Blue	<i>Meleageria daphnis</i>	30; 03;
Chalk-hill Blue	<i>Lysandra coridon</i>	30; 03;
Macedonian Chalkhill Blue	<i>Lysandra philippi</i>	02;
Common Blue	<i>Polyommatus icarus</i>	30; 31; 01; 02; 03; 04; 05;
False Eros Blue	<i>Polyommatus eroides</i>	03;
Purple Emperor	<i>Apatura iris</i>	06;
Southern White Admiral	<i>Limenitis reducta</i>	31; 01; 02;

Common name	Scientific name	Dates Recorded
White Admiral	<i>Limenitis camila</i>	03;
Poplar admiral	<i>Limenitis populi</i>	06;
Hungarian Glider	<i>Neptis rivularis</i>	30;
Common Glider	<i>Neptis sappho</i>	31; 01;
Red Admiral	<i>Vanessa atalanta</i>	30; 02; 03; 04; 05;
Painted Lady	<i>Vanessa cardui</i>	31; 02; 03; 04; 05;
Small Tortoiseshell	<i>Aglais urticae</i>	02; 04; 05;
Comma Butterfly	<i>Polygonia c-album</i>	30; 31; 02; 03; 04; 05;
Map Butterfly	<i>Araschnia levana</i>	30;
Silver-washed Fritillary	<i>Argynis paphia</i>	every day 02 (inc f. <i>valezina</i>);
Dark Green Fritillary	<i>Argynnis aglaja</i>	02;
Niobe Fritillary	<i>Argynnis niobe</i>	02; 04;
Queen of Spain Fritillary	<i>Issoria lathonia</i>	01; 02; 03; 04; 05;
Marbled Fritillary	<i>Brenthis daphne</i>	02; 04;
Balkan Fritillary	<i>Boloria graeca balcanica</i>	04;
Knapweed Fritillary	<i>Melitaea phoebe</i>	30; 01; 05;
Spotted Fritillary	<i>Melitaea didyma</i>	30; 01; 02; 05;
Lesser Spotted Fritillary	<i>Melitaea trivia</i>	01;
Marbled White	<i>Melanargia galathea</i>	30; 02; 03; 04; 05;
Woodland Grayling	<i>Hipparchia fagi</i>	02;
Eastern Rock Grayling	<i>Hipparchia syriaca</i>	30;
Balkan Grayling	<i>Hipparchis senthes</i>	31;
Tree Grayling	<i>Hipparchia statilinus</i>	01;
Great Banded Grayling	<i>Hipparchia (=Kanetisa) circe</i>	03; 04; 05;
Freyer's Grayling	<i>Neohipparchia fatua</i>	01;
False Grayling	<i>Arethusana arethusana</i>	03; 05;
Arran Brown	<i>Erebia ligea</i>	02; 03; 04;
Large Ringlet	<i>Erebia euryale</i>	02; 03; 04;
Bulgarian Ringlet	<i>Erebia orientalis</i>	03; 04;
Nicholl's Ringlet	<i>Erebia rhodopensis</i>	04;
Ottoman Brassy Ringlet	<i>Erebia ottomana</i>	04;
Common Brassy Ringlet	<i>Erebia cassioides</i>	03;
Black Ringlet	<i>Erebia melas</i>	04;
Oriental Meadow Brown	<i>Hyponephele lupina</i>	01;
Meadow Brown	<i>Maniola jurtina</i>	31; 01; 02; 03; 04; 05;
Ringlet	<i>Aphantopus hyperantus</i>	30; 31; 02; 03; 04; 05; 06;
Gatekeeper	<i>Pyronia tithonus</i>	01; 02; 05;
Eastern Large Heath	<i>Coenonympha rhodopensis</i>	03; 04;
Small Heath	<i>Coenonympha pamphilus</i>	31; 01; 02; 03; 05;
Lattice Brown	<i>Pararge (=Kirinia) roxelana</i>	01;
Speckled Wood	<i>Pararge aegeria</i>	01;
Wall Brown	<i>Lasiommata megera</i>	31;
Large Wall Brown	<i>Lasiommata maera</i>	04;

Lepidoptera cont. (Moths)

Dusky Clearwing	<i>Paranthrene tabaniformis</i> f. <i>rhingiaeformis</i>	31;
Hummingbird Hawkmoth	<i>Macroglossum stellatarum</i>	30; 31; 01; 02; 03;
Poplar Hawkmoth	<i>Laothoe populi</i>	05;
Nine-spotted Moth	<i>Syntomis phegea</i>	30; 02; 03;
a Burnet moth sp.	<i>Zygaena carniolica</i>	03;
a Burnet moth sp.	<i>Zygaena ephialtes</i>	30; 03;
6-spot Burnet	<i>Zygaena filipendulae</i>	05;

Common name	Scientific name	Dates Recorded
a Burnet moth sp.	<i>Zygaena laeta</i>	31;
Narrow-bordered 5-spot Burnet moth	<i>Zygaena lonicerae</i>	03;
Common Forester moth	<i>Adscita statices</i>	04;
Garden Tiger	<i>Arctia caja</i>	05;
Common Footman moth	<i>Eilerna lurideola</i>	06;
Common Marbled Carpet	<i>Chloroclysta (Dysstroma) truncata</i>	03;
Small Yellow Wave	<i>Hydrella flameolaria</i>	03;
Speckled Yellow Moth	<i>Pseudopanthera macularia</i>	04;
Silver Ground Carpet	<i>Xantharhoe montanata</i>	04;
Common Carpet Moth	<i>Epirrhoe alternata</i>	04;
	<i>Actinotia radiosa</i>	02;
as larva	<i>Cucullia tanacetii</i>	05;
Burnet Companion Moth	<i>Euclidia glyphica</i>	

'Micros'

Horse-Chestnut Leaf miner	<i>Cameraria ohridella</i>	31;
Mint Moth	<i>Pyrausta aurata</i>	03; 05;

Dragonflies

Banded Demoiselle	<i>Calopteryx splendens</i>	01;
Beautiful Demoiselle	<i>Calopteryx virgo</i>	30; 31; 01;
Blue-tailed Damselfly	<i>Ischnura elegans</i>	01; 02;
Small Red-eyed Damselfly	<i>Erythromma viridulum</i>	01; 02;
White-legged Damselfly	<i>Platycnemis pennipes</i>	31; 01; 02;
Common Hawker	<i>Aeshna juncea</i>	04;
Emperor Dragonfly	<i>Anax imperator</i>	01;
Small Pincertail	<i>Onychogomphus forcipatus</i>	30; 31;
Sombre Goldenring	<i>Cordulegaster bidentata</i>	02;
Balkan Goldenwing	<i>Cordulegaster heros</i>	30;
Black-tailed Skimmer	<i>Orthetrum cancellatum</i>	01;
Keeled Skimmer	<i>Orthetrum coerulescens</i>	30; 31;
Southern Skimmer	<i>Orthetrum brunneum</i>	31; 01;
Banded Darter	<i>Sympetrum pedemontanum</i>	02;
Common Darter	<i>Sympetrum striolatum</i>	30; 31; 05;
Red-veined Darter	<i>Sympetrum fonscolombii</i>	01; 02;
Scarlet Darter	<i>Crocothemis erythraea</i>	01; 02; 05;
Broad-bodied Chaser	<i>Libellula depressa</i>	02; 05;

Ephemeroptera

(Mayflies)

Brown Mayfly	<i>Ephemera vulgata</i>	05;
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Neuroptera

(Lacewings, Ant-lions etc)

Large Mottle-winged Ant-lion	<i>Palpares libelluloides</i>	31;
Ant-lion sp. 2	? poss <i>Creolon lugdunensis</i>	31;

Mecoptera

(Scorpion Flies etc)

a Scorpion Fly	<i>Panorpa</i> sp.	30;
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Orthoptera (Grasshoppers & Crickets)

a Bush Cricket sp	<i>Ephippiger ephippiger</i>	05;
a Bush Cricket sp	<i>Isophya bureschi</i>	03; 04;
a Bush-cricket sp	<i>Leptophyes albovittata</i>	06
Roesel's Bush Cricket	<i>Metriopectera roeselii</i>	30;
Dark Bush-cricket	<i>Pholidoptera griseoaptera</i>	30;
a Bush-cricket sp	<i>Poecilimon thoracicus.</i>	30;
a Bush-cricket sp	<i>Tylopsis lilifolia</i>	31;
Field Cricket	<i>Gryllus campestris</i>	05;
Slant-headed Grasshopper	<i>Acrida mediterranea</i>	31; 01;
a grasshopper sp.	<i>Calliptamus barbarus</i>	31;
Meadow Grasshopper	<i>Chorthippus parallelus</i>	05;
Sharp-tailed Grasshopper	<i>Euchorthippus declivus</i>	05;
a Blue-winged Grasshopper	<i>Oedipoda caeruleascens</i>	31; 02; 05;
a Red-winged Grasshopper	<i>Oedipoda miniata</i>	31; 01; 02; 05;
Woodland Grasshopper	<i>Omocestes rufipes</i>	05;

Dictyoptera (Mantids etc)

a Mantis sp.	<i>Ameles heldreichi</i>	31;
Cone-head Mantis	<i>Empusa pennata</i>	31;
Mediterranean Mantis	<i>Iris oratoria</i>	01;
Praying Mantis	<i>Mantis religiosa</i>	30; 31; 05;

Hemiptera (Bugs)

Giant Water-bug	<i>Lethocerus patruelis</i>	01;
a Shield Bug sp	<i>Carpocoris mediterraneus</i>	31;
Common Squash-bug	<i>Coreus marginatus</i>	30; 02;
	<i>Corizus hyoscyami</i>	30;
Sloe Bug	<i>Dolycoris baccarum</i>	30; 05;
a Shieldbug sp	<i>Eurydema ornata</i>	30;
a Shield Bug Bug sp	<i>Graphosoma lineatum (= italicum)</i>	30; 31; 04; 05;
a Shieldbug sp	<i>Graphosoma semipunctata</i>	31;
	<i>Lygaeus equestris</i>	31; 05;
a spotted Shieldbug sp	<i>Psacasta exanthematica</i>	31;
an Assassin Bug	<i>Rhinocoris iracundus</i>	30;
a Cicada	? <i>Cicadetta montana</i>	31;
a 'froghopper' sp.	<i>Cicadella viridis</i>	02;
as gall on <i>Populus nigra</i>	<i>Pemphigus vesicarius</i>	01;

Trichoptera (Caddis-flies)

a large caddis sp.	<i>Potamophylax latipennis/ cingulatus</i>	02;
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Diptera (Two-winged Flies)

a Bee-fly sp. [fam: Bombyliidae]	<i>Hemipenthes velutina</i>	31; 02;
a Bee-fly sp. [fam: Bombyliidae]	<i>Systoechus ctenopteris</i>	01;
a Bee-fly sp. [fam: Bombyliidae]	<i>Villa</i> sp.	01;
a Robber Fly sp.[fam: Asilidae]	<i>Laphria gibbosa</i>	03;
a Robber Fly sp.[fam: Asilidae]	<i>Asilus</i> sp.	05;

as gall on <i>Fagus sylvatica</i>	<i>Mikiola fagi</i>	05;
Drone-fly [fam: Syrphidae]	<i>Eristales tenax</i>	02;
a Hoverfly [fam: Syrphidae]	<i>Milesia semiluctifera</i>	31;
a Hoverfly [fam: Syrphidae]	<i>Sphaerophoria</i> sp.	03;
a Hoverfly [fam: Syrphidae]	<i>Volucella pellucens</i>	02;
a Hippoboscid fly	sp. indet	01;
a picture-winged fly [fam: Tephritidae]	<i>Xiphosia miliaria</i>	30;
a Horsefly sp. [fam: Tabanidae]	<i>Atylotus loewianus</i>	04;
a Horsefly sp. [fam: Tabanidae]	<i>Atylotus fulvus</i>	04;
a Horsefly sp. [fam: Tabanidae]	<i>Philipomyia aprica</i>	03;
a Horsefly sp. [fam: Tabanidae]	<i>Chrysops caecutiens</i>	05;
a Cleg sp. [fam: Tabanidae]	<i>Haematopota</i> sp.	01;
a Horsefly sp. [fam: Tabanidae]	<i>Tabanus tergestinus</i>	04;

Hymenoptera

(Bees, Wasps etc)

Honey Bee	<i>Apis mellifera</i>	31;
a Sand Wasp sp. [fam: Crabronidae]	<i>Bembix</i> sp.	04;
Red-tailed Bumblebee	<i>Bombus lapidarius</i>	02;
Early Bumblebee	<i>Bombus pratorum</i>	30;
Buff-tailed Bumblebee	<i>Bombus terrestris</i>	03;
a Parasitic Wasp sp. [fam: Scoliidae]	<i>Colpa sexmaculata</i>	01;
a large ant sp.	<i>Cremogaster scutellaris</i>	
as Robin's Pincushion Gall	<i>Diplolepis rosae</i>	31;
as gall on <i>Salix elaeagnos</i>	<i>Eupontania viminalis</i>	05;
as larval leaf-mine on <i>Alnus glutinosa</i>	<i>Fenusa dohrnii</i>	05;
Wood Ant	<i>Formica rufa</i>	02;
Black Garden Ant	<i>Lasius niger</i>	05;
Mammoth Wasp	<i>Megascolia flavifrons</i>	01;
Large Velvet-ant	<i>Mutilla europaea</i>	05;
a Paper Wasp sp.	<i>Polistes dominula</i>	31;
Violet Carpenter Bee	<i>Xylocopa violacea</i>	31; 03; 04; 06;
	2 further spp. still unidentified including a large Sphecid wasp sp. 01	

Coleoptera

(Beetles)

7-Spot Ladybird	<i>Coccinella 7-punctata</i>	03;
Harlequin Ladybird	<i>Harmonia axyridis</i>	01;
Rose Chafer	<i>Cetonia aurata</i>	02; 04; 05;
	<i>Cetonia cuprea</i>	03;
Bee Chafer	<i>Trichius fasciatus</i>	02;
a Flower Chafer	<i>Oxythyrea funesta</i>	02;
	<i>Trichodes apiarius</i>	30; 03; 04;
a Click Beetle sp	<i>Athous</i> sp (family: Elateridae)	03;
a Soldier Beetle	<i>Rhagonycha fulva</i>	03; 04; 05;
a red and black beetle sp [Meloidae]	<i>Mylabris variabilis</i>	31;
Pine Borer [fam: Buprestidae]	<i>Chalcophora mariana</i>	03;
a Longhorn Beetle sp [Cerambycidae]	<i>Agapanthea villosoviridescens</i>	30; 04;
a Longhorn Beetle sp [Cerambycidae]	<i>Anastrangalia dubia</i>	02;
a Longhorn Beetle sp [Cerambycidae]	<i>Chlorophorus varius</i>	31;
a Longhorn Beetle sp [Cerambycidae]	<i>Monochamus</i> sp.	04;
a Longhorn Beetle sp [Cerambycidae]	<i>Pachtododes cerambyciformis</i>	02;
a Longhorn Beetle sp [Cerambycidae]	<i>Rutpela (=Strangalia) maculata</i>	30; 04;
a Longhorn Beetle sp [Cerambycidae]	<i>Stenurella semipunctata</i>	30;

a Longhorn Beetle sp [Cerambycidae]	<i>Stictoleptura rubra</i>	02;
Mint Leaf Beetle	<i>Chrysolina menthastri</i>	30; 02; 05;
Colorado Beetle	<i>Leptinotarsa decemlineata</i>	04; 05;
a red & black leaf beetle	<i>Clytra atraphaxidis</i>	01;
a large weevil sp.	<i>Lixus angustatus/ algira</i>	05;
a large weevil sp.	<i>Larinus sp. ?turbinatus</i>	01;

Arachnida

(Spiders etc)

Oak Spider	<i>Aculepeira ceropegia</i>	02; 03; 04;
a Funnel-web Spider	<i>Agalena labyrinthica</i>	01;
	<i>Araneus circe</i>	04;
Wasp Spider	<i>Argiope bruennichi</i>	30; 01; 05;
a crab spider	<i>Misumenia vatia</i>	30; 05;
Nursery-web Spider	<i>Pisaura mirabilis</i>	04; 05;
as gall on <i>Alnus glutinosa</i>	<i>Eriophyes laevis</i>	05;

Mollusca

(Snails, slugs etc.)

a Snail sp.	<i>Helix lucorum</i>	30; 31; 01;
Roman Snail	<i>Helix pomatius</i>	05;

Annelida (Segmented Worms)

<i>Hirudo medicinalis</i>	Medicinal Leech	02;
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Summary of species recorded

	2008	2009	2010	2011
Mammals	2	1	3	9
Birds	98	125	96	92
Reptiles	6	7	9	8
Amphibians	2	3	3	3
Fish	0	0	1	1
Invertebrates	98	90	140	244
Flowering Plants	0	0	146	327
Gymnosperms: Conifers and allies	0	0	5	9
Pteridophytes: Ferns and allies	0	0	0	7
Bryophytes	0	0	0	9
Fungi	0	0	0	19
OVERALL SPECIES TOTAL	206	226	403	728

Summary of Invertebrates	2008	2009	2010	2011
Ephemeroptera: Mayflies	0	0	0	1
Odonata: Dragonflies & Damselflies	14	22	21	18
Plecoptera: Stoneflies	0	0	0	0
Orthoptera: Grasshoppers & Crickets	0	0	6	15
Dictyoptera: Cockroaches & Mantids	1	0	1	4
Hemiptera: Bugs	0	0	7	14
Neuroptera: Lacewings and Allies	0	0	1	2
Mecoptera: Scorpion Flies	0	0	0	1
Lepidoptera: Butterflies	83	67	71	88
Lepidoptera: Moths	3	1	12	22

Trichoptera: Caddis	0	0	0	11
Diptera: True Flies	0	0	5	18
Hymenoptera: Bees, Wasps etc	0	0	5	16
Coleoptera: Beetles	0	0	8	24
Arachnida: Spiders & allies	0	0	2	7
Crustacea: Woodlice etc	0	0	0	0
Myriapoda: Centipedes & Millipedes	0	0	0	0
Annelida: Earthworms, Leeches etc	0	0	0	1
Mollusca: Snails, Slugs etc	0	0	1	2
Total Invertebrates Listed	98	90	140	244



Poecilimon thoracicus - a Bushcricket