

Bulgaria's Dragonflies

Naturetrek Tour Report

13th – 21st June 2023



Onychogomphus forcipatus



Selysiothemis nigra



Gomphus vulgatissimus



Papilio machaon

Tour report by David Gibbs, images by Sam Crocker and Dave Gibbs



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Tour participants: Dave Gibbs & Dancho Kutsarov (Leaders) with nine Naturetrek clients

Day 1

Tuesday 13th June

An early start at Stanstead Airport, and it was needed to get through the check-in and security. Despite a short delay the flight landed at Sofia airport a few minutes early! At the exit we met with Dancho and in short order we were loaded in the bus and on our way. The weather was not promising, pouring with rain on arrival, but drying up by the time we were on the road. It was about an hour's drive east out of Sofia before our first stop at Mirkovo. Here we made our way through the lush vegetation to clearings and a marshy area adjacent to a fast-rushing stream. By now the sun was out and it was warm and humid and the open, flowery areas, were jumping with insects of all sorts, including our first Dragonfly, Broad-bodied Chaser. Also here were numerous Keeled Skimmers, a few Large Red Damselflies and finally our target, a single male Ornate Bluet. Also of note here was the impressive long-horn beetle *Agapanthia kirbyi* on the mullein, the bright black and red Bee-eating Beetle *Trichodes apiaries* feeding on *Orlaya grandiflora* and a single Black-veined Moth.

On our way to the next stop the heavens opened again so we carried on to our hotel at Koprivshtitsa for a rest before dinner. Despite the rain for much of the day, it was obvious that Bulgaria was going to be an exciting place for any entomologist.

Day 2

Wednesday 14th June

The day started with some birding around the village where several Black Redstarts and a Spotted Flycatcher were seen, but the moth trap was very unproductive with just one Buff Ermine to show for our efforts. At 9am we set off on our long journey south, stopping at several sites on the way. Our first stop was a flower-rich meadow where we soon found Golden Oriole and Bee-eater. Many Spotted and Lesser Spotted Fritillaries were nectaring on the flowers and we came across a stunning male Large Copper. The Passenger, Geometrician and Two Lines were three rather special moths we came across, and impressive stands of Dense-flowered Mullein were starting to flower. Before we left a Woodchat Shrike perched up and two Short-toed Eagles flew over.

Our next stop was a small pond where White-tailed Skimmer performed, we saw Great Reed Warbler, Syrian Woodpecker and some had great views of a Little Bittern. Lunch time saw us at the Maritsa River with an abundance of insects of great diversity all around. Most notable was Small Pincertail, Eastern Festoon and Lattice Brown. But perhaps the most remarkable looking creature was the Mantis *Empusa pennicornis*.

Our next site was a small dam where we were soon watching Blue-eye, Green-eyed Hawker and Broad Scarlet. Also the spectacular Balkan Lizard Orchid *Himantoglossum calcaratum* ssp *jankae* and a pair of beautiful Darting Burnets *Zygaena punctum*. Before arriving at our hotel, we stopped at a small roadside pond for Small Bluetail, Migrant Spreadwing and Robust Spreadwing. After a long day of driving, we arrived at our hotel in Krumovgrad to be greeted by a Lesser Grey Shrike perched high in a tree next to the car park.

Day 3

Thursday 15th June

Pre-breakfast moth trap a bit more productive today with Cream Spot Tiger and the beautiful Crambids *Euchromius superbellus* and Orange-bar Grass-Veneer. Early morning birding was rewarded with several Golden Orioles and a pair of Crag Martins.

Our first stop was a small waterbody surrounded by meadows and woodland. Here we soon found Dainty Bluet and Red-eyed Damselfly while the surrounding grassland harboured Feathered Footman and Marbled Fritillary while two Eleonora's Falcons and at least four Honey Buzzards were seen flying past. We then moved on to the Byala River, walking past meadows filled with butterflies and other insects before arriving at our destination, clear pools in a wooded part of the river. Here, after some effort we saw the rare Bulgarian Emerald, and some also got views of a Balkan Emerald.

After lunch we walked along a wooded track to a dam and small stream where we saw both Turkish Goldenring and Eastern Spectre in the shady parts of the stream. Around the pond we watched a splendid Freyer's Purple Emperor, a brilliant male Grecian Copper and uncharacteristically an Eastern Festoon allowed itself to be photographed. A bit later a short stop at another pond produced Lesser Emperor and some caught site of a Gird Bunting. Our final stop was at a lushly vegetated small lake which had an excellent colony of *Anacamptis* orchids, Bug Orchid, Loose-flowered Orchid and a single example of Green-winged Orchid subspecies *caucasica*. Our main quarry here was the Small Spreadwing of which we saw several including one male. Over the lake several Downy Emeralds quartered, while in the adjacent scrub Great Banded Graylings appeared and a family of Sombre Tits were seen by a few. One of the finest finds here in the surrounding meadow was four Crepuscular Burnets all clustered together on a single flower.

Day 4

Friday 16th June

Moth trap before breakfast proved productive with a splendid Spurge Hawkmoth in perfect condition. A Gypsy Moth was also a new one for the trip and the Geometrid *Gnopharmia stevenaria* was a nice find.

Today we set off a bit earlier, our first stop a bridge over a large river where Eastern Olivaceous Warbler and Black-headed Bunting were found. On our way to the first dragonfly site of the day we stopped a couple of times to watch soaring Griffon Vultures, Black Storks and Black Kite. One of the nicest finds here was a stunning *Chamaesphexia masariiformis* Clearwing Moth. A little further up the road we disembarked to walk up a small, clear stream. Scuttling in the rocks of the dry stream-bed were *Melanogryllus desertus* crickets. At a small pool we eventually saw the much sought-after Odalisque which eventually gave excellent views. In the nearby scrub an antlion *Myrmeleon formicarius* perched up.

We retraced our steps then set off for the next site which was also our lunch spot, stopping on the way to rescue a Spur-thighed Tortoise that had wandered into the road. Here numerous Eastern Festoons allowed close approach in the relatively cool conditions and several nice beefly species were noted. At a pond a little further on after lunch we came across our first Ruddy Darters and a very obliging female White-tailed Skimmer provided photo opportunities. On our way to our final stop, we saw a Brown Hare at the roadside and stopped to photograph a Northern White-bellied Hedgehog that was in danger of being run over. Our final venue of the day was a couple of montane lakes set in the Norway Spruce forests of the Rhodope Mountains. Here we found plenty of Northern

Bluets, a couple of Woodland Ringlets and an Eastern Large Heath. The meadows surrounding the lakes were alive with invertebrates despite the cool conditions. One of the lakes held an impressive stand of Broad-leaved Marsh-Orchids subspecies *cordigera*. From here it was not far to our hotel in the mountains, set amid the spruce forest with splendid view to the crags beyond.

Day 5

Saturday 17th June

The day dawned cool and cloudy with some rain overnight, so optimism was not high when opening the moth trap. Nevertheless two species of hawkmoth were present, Pine and Small Elephant. Other nice species present included a White-speck and a Flame Carpet. Early morning birders were rewarded with a Willow Tit, Firecrests and several Black Redstarts. Before departing the hotel some admired the display of both yellow and purple Elder-flowered Orchids.

On our way to the first site, we stopped off at an Alpine Swift breeding cliff and two birds were seen briefly. Once in the Trigrad Gorge we set off up a track along a small river where Dippers were much in evidence. The cool, cloudy weather continued so insects were very few, butterflies and particularly dragonflies being almost completely absent. Some nice plants were seen notably the Balkan endemic *Haberlea rhodopensis*, a beautiful chasmophyte clinging to the sheer cliffs. Also along here we found Common Spotted and Military Orchids. A little further on we stopped at a spectacular part of the gorge known to harbour Wallcreepers. Knowing how infrequently they are seen we were not too hopeful, but after half an hour one of these stunning birds appeared on the cliff above us affording excellent views for all.

And so on to our lunch spot, a fish restaurant where we were served a perfectly cooked trout. After lunch we continued to Borino and stopped beside a stream running through spruce forest and flower-rich meadows. Again, the weather was not good enough for the dragonflies to appear, but we enjoyed Checkered Skipper, Sooty Copper and Wood Tiger moth. Our final stop of the day was at the Kemera old bridge of Zmeitsa where we searched the river for dragonflies in vain, but a grassy area did produce our only Common Winter Damselfly of the tour. The only other notable find here was the diminutive Discrete Burnet *Zygaena nevadensis*, a close relation to Transparent Burnet but even smaller.

Day 6

Sunday 18th June

Another cool, wet start to the day, but the moth trap produced a few new species including Buff-tip, several Feathered Ear and Rustic Shoulder Knot.

After breakfast we set off for our first location, a fast-flowing stream set in the spruce forest with open meadows and fen. Unfortunately the cool weather prevented any dragonflies from flying, but four exuvia of goldenring dragonflies were found. Despite the poor conditions, there were plenty of invertebrates to be found, including the Black-and-Red Bug *Lygaeus equestris*, a single Drab Looper and the soldierfly *Stratiomys ruficornis*, a local species of central and southeast Europe and Asia Minor. Also of note here was Sword-leaved Helleborine and the iconic One-flowered Wintergreen, the latter abundant here.

Back up at the bus we had lunch while Crested Tits were feeding in the nearby spruces. After lunch we headed to a river near the Greek border, still in overcast conditions, but warmer at this low altitude and warming up all the

time. Again dragonflies were few, but a Blue Chaser was seen and a lucky few saw Sombre Goldenring and Blue Hawker. Numerous butterflies were settling along the tracks, of note were Map Butterfly, Delattin's Grayling, Osiris Blue, Small Tiger Blue, Adonis Blue and Eastern Wood White.

Our final stop was a dry track through xerophytic scrub. The conditions were now much warmer and a new dragonfly for the trip was soon located, a Southern Darter. Resting on the track was a Great Banded Grayling and a couple of Mediterranean Skippers, while in the adjacent vegetation a Scarce Swallowtail allowed close approach. We also came across one of the many stunning bush crickets to be found in Bulgaria, Black-winged Saw Bush-Cricket *Ancistrura nigrovittata*. It was strange to see so many Hawfinches in this habitat, and one lucky person had brief views of a Rufous-tailed Scrub Robin.

Day 7

Monday 19th June

Pre-breakfast moth trap opening was fruitful; no big hawkmoths but some very nice species notably *Euclidia triquetra*, Chequered Wave and Dotted Footman.

After breakfast we made our way south to near the town of General Todorov where we walked through open country to a reed-fringed lake. One of the first things found was the huge and well armoured European Rhinoceros Beetle clinging to a sedge. Soon after, the first of three Violet Dropwings gave excellent views close to the shore. At the opposite corner of the lake a Black Pennant was seen briefly and a single Bladetail gave several fly-by views. A little further on several Spotted Fritillaries and a stunning little Blue Argus gave excellent views.

We then proceeded to the beautiful karst springs and clear rivers at Petrovo. Driving down the track the bus was enveloped in a cloud of butterflies, most of which proved to be Nettle-tree Butterflies, but with several species amongst them including Yellow-banded Skipper and Pallas's Sailor. Here we soon found our first Goldenring Dragonfly, but it proved to be the less sought-after Sombre Goldenring; nevertheless a beautiful beast and new for many of us. After lunch Dancho found our main quarry, the impressive Balkan Goldenring, larger but differing only subtly from the Sombre. Also in the area and down the road we came across Large Tortoiseshell, the impressive potter wasp *Delta unguiculatum* a Common Glider (=Pallas's Sailor) and an obliging Yellow-banded Skipper. On our way back to the hotel we stopped at another small dam where Red-veined Darters were abundant. We headed back to our comfortable hotel amidst the sandstone pyramids of Melnik in plenty of time for a rest before another excellent evening meal.

Day 8

Tuesday 20th June

The moth trap continued to produce new species for the tour, included a much-appreciated Poplar Hawkmoth, a Jubilee Fanfoot and a stunning and quite pristine Heart-moth.

After breakfast we headed south where we negotiated the Greek border crossing. Once in Greece we headed to the banks of the Struma River. The river was very high and running fast and silty, which perhaps accounted for the lack of clubtail dragonflies here. Nevertheless we came across our first Camberwell Beauty, a European Mantis and the star here a couple of massive Anatolian Predatory Bush-Crickets. On our way to Lake Kerkini, we spotted a Long-legged Buzzard from the van and at a brief stop Night and Squacco Herons gave good views. On the banks of Lake Kerkini we soon found Bladetails, eventually finding them perched up allowing photography. At our lunch

spot a Little Bittern showed well, while Pygmy Cormorants, Dalmatian Pelicans and Spoonbills graced the lake. Also here a few lucky people spotted a Levant Sparrowhawk perched in a poplar tree. After lunch we went to another part of the Struma River where we soon found clubtails, but all of them proved to be the Common Clubtail. This stretch of river also produced Ruddy Darter, Lang's Short-tailed Blue and a couple of superb Spurge Hawkmoth caterpillars. At a large pool a little way from the river we soon came across a single male Black Pennant. Heading back to the border we just had time to stop at a wooded stream where Balkan Goldenrings were easily found. On a reedy pond were both European Pond and Balkan Terrapins. A Hobby circled overhead, and Rollers were seen on the adjacent trees and a male Black Woodpecker flew across the clearing giving its loud ringing call. Traversing the border control was a little quicker than crossing into Greece, and soon we were back in our comfortable hotel in Melnik.

Day 9

Wednesday 21st June

Our final morning at the moth trap continued to provide interest with our second Spurge Hawkmoth of the tour and a couple of stunning little Oecophoridae, *Oecophora bracteella* and *Holoscolia huebneri*. Also found around the hotel was the huge long-horn beetle *Morimus funerus*.

After breakfast we set off for the hot springs at Vanga in the hope of some dragonflies but not much was present apart from three species of terrapin, two of them introduced American species. But the hills adjacent provided interest with three Eleonora's Falcons, a Hobby and several Kestrels performing against a clear blue sky. With not much activity at the springs we moved on to the Kresna Gorge where there was much more activity. Unfortunately the dragonflies present did not include any we had not already come across but butterflies and other invertebrates were abundant. One of the most striking insects was the Sinuate Spoonwing which allowed close approach, a rather worn Checkered Blue and a female Purple-shot Copper were nectaring on the flowers. We had lunch here before setting off to the airport, saying our farewells to Dancho at the bus station. It had not been a tour without its frustrations, the weather hampering opportunities at times, but we still found 47 species of dragonfly between us, including some of Bulgaria's most special species.

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Clockwise from top left – *Chamaesphecia masariformis*, Large Copper - *Lycaena dispar*, *Lacerta viridis*, Heart Moth - *Dicycla oo*

Species lists

Dragonflies

Common name	Scientific name	June 2023								
		13	14	15	16	17	18	19	20	21
Beautiful Demoiselle	<i>Calopteryx virgo</i>			✓	✓	✓	1	✓	✓	✓
Banded Demoiselle	<i>Calopteryx splendens</i>		✓	✓	✓			2	✓	✓
Odalisque	<i>Epallage fatime</i>				2					
Migrant Spreadwing	<i>Lestes barbarus</i>		✓	✓						
Robust Spreadwing	<i>Lestes dryas</i>		✓	✓	✓		1			
Small Spreadwing?	<i>Lestes virens?</i>			3						
Blue Featherleg	<i>Platycnemis pennipes</i>		4	✓	✓		1	3	✓	✓
Common Winter Damselfly	<i>Sympecna fusca</i>					1				
Large Red Damsel	<i>Pyrrhosoma nymphula</i>	4		✓	✓			3		
Large Redeye	<i>Erythromma najas</i>		2	✓				4		
Small Redeye	<i>Erythromma viridulum</i>		✓	1	✓			4	3	
Blue-eye	<i>Erythromma lindenii</i>		4	✓	✓					
Spearhead Bluet	<i>Coenagrion hastulatum</i>				16					
Ornate Bluet	<i>Coenagrion ornatum</i>	1								
Azure Bluet	<i>Coenagrion puella</i>			3	1	✓			10	
Dainty Bluet	<i>Coenagrion scitulum</i>			✓	✓			3		
Common Bluet	<i>Enallagma cyathigerum</i>		2	2	3			✓		
Common Bluetail	<i>Ischnura elegans</i>		✓	✓	✓			✓	✓	✓
Small Bluetail	<i>Ischnura pumilio</i>		1	2						
Blue Hawker	<i>Aeshna cyanea</i>						1			
Green-eyed Hawker	<i>Aeshna isosceles</i>		1		4			4	1	
Blue Emperor	<i>Anax imperator</i>		4	✓	1			4	2	
Lesser Emperor	<i>Anax parthenope</i>			1				4	1	
Eastern Spectre	<i>Caliaeschna microstigma</i>			10+	1		12	✓	3	1
Common Clubtail	<i>Gomphus vulgatissimus</i>			2					7	
Small Pincertail	<i>Onychogomphus forcipatus</i>		5	1	1		1	1	3	
Bladetail	<i>Lindenia tetraphylla</i>							1	6	
Sombre Goldenring	<i>Cordulegaster bidentata</i>						2	3		
Balkan Goldenring	<i>Cordulegaster heros</i>							2	6	5
Turkish Goldenring	<i>Cordulegaster picta</i>			4				3		
Downy Emerald	<i>Cordulia aenea</i>			5	1					
Bulgarian Emerald	<i>Corduliochlora borisi</i>			1						
Balkan Emerald	<i>Somatochlora meridionalis</i>			1						
Four-spotted Chaser	<i>Libellula quadrimaculata</i>				2					
Blue Chaser	<i>Libellula fulva</i>						1		6	
Broad-bodied Chaser	<i>Libellula depressa</i>	2	2	✓	✓			✓	10	
Black-tailed Skimmer	<i>Orthetrum cancellatum</i>		✓	✓	✓			✓	✓	✓
White-tailed Skimmer	<i>Orthetrum albistylum</i>		2	✓	✓			✓	✓	✓
Southern Skimmer	<i>Orthetrum brunneum</i>			2	1		1	3	✓	✓
Keeled Skimmer	<i>Orthetrum coerulescens</i>	✓	2		1		5	2	✓	✓
Broad Scarlet	<i>Crocothemis erythraea</i>		2	1	3			✓	✓	
Common Darter	<i>Sympetrum striolatum</i>				1				1	

Common name	Scientific name	June 2023								
		13	14	15	16	17	18	19	20	21
Southern Darter	<i>Sympetrum meridionale</i>						1	ü		
Red-veined Darter	<i>Sympetrum fonscolombii</i>							ü	1	
Ruddy Darter	<i>Sympetrum sanguineum</i>				3				1	
Violet Dropwing	<i>Trithemis annulata</i>							3		
Black Pennant	<i>Selysiothemis nigra</i>							5	1	

Butterflies

Common name	Scientific name	June 2023								
		13	14	15	16	17	18	19	20	21
Swallowtail	<i>Papilio machaon</i>			1			1	2	1	2
Scarce Swallowtail	<i>Iphiclides podalirius</i>			1			1	1		2
Eastern Festoon	<i>Zerynthia cerisy</i>		✓	✓	✓		2			
Large White	<i>Pieris brassicae</i>	1	✓	✓	✓			1		1
Black-veined White	<i>Aporia crataegi</i>	4	✓	✓	✓	✓		2		1
Small White	<i>Artogeia rapae</i>		✓	✓	✓	✓	✓	✓	✓	✓
Southern Small White	<i>Artogeia manni</i>						6	1		
Balkan/Green-veined White	<i>Artogeia balcana/napi</i>	1		3	✓	✓	2			
Eastern Bath White	<i>Pontia edusa</i>		1						2	
Clouded Yellow	<i>Colias crocea</i>		4	✓	✓		2	✓	✓	1
Eastern Wood White	<i>Leptidea duponcheli</i>						4			
Cryptic/Wood White	<i>Leptidea juvernica/sinapis</i>					2	12		1	1
Sloe Hairstreak	<i>Satyrium acaciae</i>		2	✓	✓		3	3		
White-letter Hairstreak	<i>Satyrium w-album</i>			1				3		
Blue-spot Hairstreak	<i>Satyrium spini</i>						2			
Green Hairstreak	<i>Callophrys rubi</i>				1					
Small Copper	<i>Lycaena phlaeas</i>			2	1		1	2	2	1
Large Copper	<i>Lycaena dispar</i>		2							
Sooty Copper	<i>Lycaena tityrus</i>					3				1
Purple-shot Copper	<i>Lycaena alciphron</i>									1
Grecian Copper	<i>Lycaena ottomanus</i>			4						
Little Tiger Blue	<i>Tarucus balcanicus</i>						2			
Lang's Short-tailed Blue	<i>Leptotes pirithous</i>		1						2	
Holly Blue	<i>Celastrina argiolus</i>		1	2			3		4	1
Chequered Blue	<i>Scolitantides orion</i>									1
Eastern Baton Blue	<i>Pseudophilotes vicrama</i>							1		
Silver-studded Blue	<i>Plebejus argus</i>		✓	✓	✓	✓	✓	✓	1	✓
Brown Argus	<i>Aricia agestis</i>		✓	✓	✓		1	2	2	
Mazarine Blue	<i>Cyaniris semiargus</i>			2						
Osiris Blue	<i>Cupido osiris</i>						4			
Adonis Blue	<i>Lysandra bellargus</i>						1			
Common Blue	<i>Polyommatus icarus</i>			2	✓	✓	✓	✓	✓	✓
Meleager's Blue	<i>Polyommatus daphnis</i>	1	1	1				1		
Chapman's Blue	<i>Polyommatus thersites</i>						12			1
Nettle-tree Butterfly	<i>Libythea celtis</i>							100s		2

Common name	Scientific name	June 2023								
		13	14	15	16	17	18	19	20	21
Freyer's Purple Emperor	<i>Apatura metis</i>			1						
Southern White Admiral	<i>Limenitis reducta</i>			1					1	1
Pallas' Sailer (Common Glider)	<i>Neptis sappho</i>			2				1		
Camberwell Beauty	<i>Nymphalis antiopa</i>								1	
Large Tortoiseshell	<i>Nymphalis polychloros</i>							3		
Peacock	<i>Inachis io</i>			1			1	✓		
Red Admiral	<i>Vanessa atalanta</i>		2	1	1		3	2	1	2
Painted Lady	<i>Vanessa (Cynthia) cardui</i>	1	3	✓	✓		1	3	2	2
Small Tortoiseshell	<i>Aglais urticae</i>	1								
Comma	<i>Polygonum c-album</i>		1	3			1	3	9	4
Map Butterfly	<i>Araschnia levana</i>						8		1	
Silver-washed Fritillary	<i>Argynnis paphia</i>			✓			1		1	
Dark-green Fritillary	<i>Speyeria aglaja</i>			2						
Queen of Spain Fritillary	<i>Issoria lathonia</i>		1		3			✓		
Twin-spot Fritillary	<i>Brenthis hecate</i>			1						
Marbled Fritillary	<i>Brenthis daphne</i>		1	✓	✓		1		1	1
Pearl-bordered Fritillary	<i>Boloria euphrosyne</i>						1			
Knapweed Fritillary	<i>Melitaea phoebe</i>							1		
Spotted Fritillary	<i>Melitaea didyma</i>		2		1			✓	✓	
Lesser Spotted Fritillary	<i>Melitaea trivia</i>		6							1
Heath Fritillary	<i>Melitaea athalia</i>			1				1		
Marsh Fritillary	<i>Euphydryas aurinia</i>	3	1							
Marbled White	<i>Melanargia galathea</i>		2	✓	✓		✓	12	6	
Balkan Marbled White	<i>Melanargia larissa</i>									1
Great Banded Grayling	<i>Kanetisa circe</i>			5			7	9	2	5
Delatin's Grayling	<i>Hipparchia volgensis</i>						1	2		
Woodland Ringlet	<i>Erebia medusa</i>				2	3	2			
Meadow Brown	<i>Maniola jurtina</i>	2	✓	✓	✓	✓	✓	✓	✓	✓
Small Heath	<i>Coenonympha pamphilus</i>	✓	✓	✓	✓	✓	1	2	✓	✓
Eastern Large Heath	<i>Coenonympha rhodopensis</i>				1					
Speckled Wood	<i>Pararge aegeria</i>						3	3		
Wall Brown	<i>Lasiommata megera</i>						1	1	2	
Lattice Brown	<i>Kirinia roxelana</i>		2	2	1					1
Grizzled Skipper	<i>Pyrgus malvae</i>				1					
Oberthür's Grizzled Skipper	<i>Pyrgus armoricanus</i>					1				
Yellow-banded Skipper	<i>Pyrgus sidae</i>							3		1
Orbed Red Underwing Skipper	<i>Spilia orbifer</i>		1	1						
Mallow Skipper	<i>Carcharodus alceae</i>		1	2				1	6	5
Oriental Marbled Skipper	<i>Carcharodus orientalis</i>						1			
Dingy Skipper	<i>Erynnis tages</i>						1	1		
Mediterranean Skipper	<i>Gegenes nostradamus</i>						2	1		
Chequered Skipper	<i>Carterocephalus palaemon</i>					1				
Lulworth Skipper	<i>Thymelicus acteon</i>						4			

		June 2023								
Common name	Scientific name	13	14	15	16	17	18	19	20	21
Small Skipper	<i>Thymelicus sylvestris</i>		1	2			3			✓
Large Skipper	<i>Ochlodes venatus</i>	2	2	✓	✓		2		2	

Moths

		June 2023									
Common name	Scientific name	13	14	15	16	17	18	19	20	21	
Micromoths											
Brown China-mark	<i>Elophila nymphaeata</i>								1		
Grey Knot-horn	<i>Acrobasis advenella</i>				1						
Pale Flat-body	<i>Agonopterix pallorella</i>							1			
a tortricid	<i>Aleimma loeflingiana</i>			2			2	5			
Lesser Tawny Crescent	<i>Batia lunaris</i>							1			
Common Marble	<i>Celypha lacunana</i>									1	
Orange-bar Grass-Veneer	<i>Chrysocrambus linetella</i>			1	1				1		
Large Gold Case-bearer	<i>Coleophora vibicella</i>								1		
Golden-brown Tubic	<i>Crassa unitella</i>								1		
Box Tree Moth	<i>Cydalima perspectalis</i>						1				
Codling Moth	<i>Cydia pomonella</i>				1						
Fringe Lichen Sober	<i>Dichomeris alacella</i>								1		
a pyralid	<i>Dioryctria abietella</i>						1				
a plutellid	<i>Eidophasia zukowskyi</i>								1	1	
a crambid	<i>Euchromius superbullus</i>			1							
a tinaied	<i>Euplocamus anthracinalis</i>									1	
a tinaied	<i>Euplocamus ophisa</i>			1	1		5				
a crambid	<i>Evergestis aenealis</i>				1						
an oecophorid	<i>Holoscolia huebneri</i>									1	
Twin-barred Knot-horn	<i>Homoeosoma sinuella</i>				1						
a pyralid	<i>Hypsopygia glaucinalis</i>									1	
a yucca	<i>Lampronia rupella</i>					1					
a tortricid	<i>Lobesia bicinctana</i>			1							
a crambid	<i>Loxostege sticticalis</i>			1							
a crambid	<i>Metasia ophialis</i>							1			
a gelechid	<i>Mirificarma eburnella</i>				1						
Rush Veneer	<i>Nomophila noctuella</i>		1	1							
Gold-base Tubic	<i>Oecophora bractella</i>									1	
Arched Marble	<i>Olethreutes arcuella</i>						2				
European Corn Borer Moth	<i>Ostrinia nubilalis</i>				1						
Acorn Piercer	<i>Pammene fasciana</i>				1						
White Plume Moth	<i>Pterophorus pentadactyla</i>		1								
a crambid	<i>Pyrausta castalis</i>									1	
a pyralid	<i>Stemmatophora combustalis</i>									1	
a crambid	<i>Synaphe moldavica</i>		1	1	✓	1					
Vagrant Twitcher	<i>Tebenna micalis</i>									1	
Bird's-nest Moth	<i>Tinea trinotella</i>								1		
Green Oak Tortrix	<i>Tortrix viridana</i>									1	
Clearwings											

Common name	Scientific name	June 2023								
		13	14	15	16	17	18	19	20	21
a clearwing	<i>Chamaesphex masariformis</i>				1					
a clearwing	<i>Pyropteron minianiforme</i>			1						
Burnets and allies										
Forester sp	<i>Procridinae</i> sp			1				1		
Six-spotted Burnet	<i>Zygaena filipenulae</i>		1	1	3			6		
Discrete Burnet	<i>Zygaena nevadensis</i>					1				
Darting Burnet	<i>Zygaena punctum</i>		2				1			
Crepuscular Burnet	<i>Zygaena carniolica</i>			4						
Slug Caterpillar Moths	Limacodidae									
Festoon	<i>Apoda limacodes</i>									1
Goat moths	Cossidae									
Goat Moth	<i>Cossus cossus</i>								1	1
a goat moth	<i>Dyspepsa salicicola</i>								1	
a goat moth	<i>Parahypopta caestrum</i>									1
Loopers	Geometridae									
Treble-bar sp	<i>Aplocera</i> sp					1				
Common White Wave	<i>Cabera pusaria</i>				1					
Yellow Shell	<i>Camptogramma bilineata</i>		1			1				
Purple Bar	<i>Cosmorhoe ocellata</i>						1			
Small Phoenix	<i>Ecliptopera silaceata</i>					1	1			
Common Heath	<i>Ematurga atomaria</i>				✓	✓	3		3	1
Small Argent & Sable	<i>Epirrhoe tristata</i>				✓					
a pug	<i>Eupithecia spissilineata</i>			1						
Barred Straw	<i>Gandaritis pyraliata</i>								1	
a geometrid	<i>Gnopharmia stevenaria</i>				1					
Small Emerald	<i>Hemistola chrysoprasaria</i>							1	1	
a geometrid	<i>Horisme corticata</i>									1
Great Oak Beauty	<i>Hypomecis roboraria</i>									1
Riband Wave	<i>Idaea aversata</i>							1	1	1
Small Fan-footed Wave	<i>Idaea biselata</i>							1		1
a geometrid	<i>Idaea camparia</i>						1			
Portland Ribbon Wave	<i>Idaea degeneraria</i>									1
Chequered Wave	<i>Idaea moniliata</i>							1		
Bright Wave	<i>Idaea ochrata</i>							1		
Little Emerald	<i>Jodis lactearia</i>					1				
Scorched Carpet	<i>Ligdia adustata</i>							1		
Drab Looper	<i>Minoa murinata</i>						1			
Grass Wave	<i>Perconia strigillaria</i>					1				
Willow Beauty	<i>Peribatodes rhomboidaria</i>				2			1	1	
Olive-tree Beauty	<i>Peribatodes umbraria</i>									1
Brown Silver-line	<i>Petrophora chlorosata</i>						✓			
Speckled Yellow	<i>Pseudopanthera macularia</i>	1			3	✓	✓			
a geometrid	<i>Rhodostrophia discopunctata</i>						1		1	
Common Pink-Barred	<i>Rhodostrophia vibicaria</i>			1						
Latticed Heath	<i>Semiothisa clathrata</i>				1	✓	✓		1	1
Black-veined Moth	<i>Siona lineata</i>	1		1		✓				

		June 2023								
Common name	Scientific name	13	14	15	16	17	18	19	20	21
a geometrid	<i>Stegania dilectaria</i>							1		
Grey-pine Carpet	<i>Thera obeliscata</i>					2				
a geometrid	<i>Therapis flavicaria</i>	1								
Flame Carpet	<i>Xanthorhoe designata</i>					1				
Garden Carpet	<i>Xanthorhoe fluctuata</i>					2				
Eggars	Lasiocampidae									
Oak Eggar	<i>Lasiocampa quercus</i>						1L			
a lackey	<i>Malacosoma franconicum</i>									
Lackey Moth	<i>Malacosoma neustria</i>							1		
Plum Lappet	<i>Odonestis pruni</i>									1
Prominents	Notodontidae									
Pine Processionary Moth	<i>Thaumetopoea pityocampa</i>				1	1				
Hawkmoths	Sphingidae									
Elephant Hawk-moth	<i>Deilephila elpenor</i>		1							
Small Elephant Hawk-moth	<i>Deilephila porcellus</i>					1	1			
Spurge Hawk-moth	<i>Hyles euphorbiae</i>				1+ L				2L	1
Poplar Hawk-moth	<i>Laothoe populi</i>								1	
Hummingbird Hawk-moth	<i>Macroglossum stellatarum</i>		1	3	1		4	1	1	
Pine Hawk-moth	<i>Sphinx pinastri</i>					1				
Underwing, Tiger, Tussock, and Allied Moths	Erebidae									
Spotted Sulphur	<i>Acontia trabealis</i>		3							
Nine-spotted Moth sp	<i>Amata marjana/phegea</i>				1		3	2	2	3
Garden Tiger Moth	<i>Arctia caja</i>				L					
Cream-spot Tiger Moth	<i>Arctia epicalia</i>			3	1				2	2
an erebid	<i>Clytie syriaca</i>			2	3					
Clouded Buff	<i>Diacrisia sannio</i>					1				
Muslin Moth	<i>Diaphora mendica</i>					1				
Handmaid	<i>Dysauxes ancilla</i>							1		
an erebid	<i>Dysauxes famula</i>							1	1	1
The Passenger	<i>Dysgonia algira</i>		1							
Hoary Footman	<i>Eilema caniola</i>				1			2		4
Buff Footman	<i>Eilema depressa</i>						2	1		
Burnet Companion	<i>Euclidia glyphica</i>		1			x				
an erebid	<i>Euclidia triquetra</i>							1		
Two Lines	<i>Grammodes bifasciata</i>		1							
The Geometrician	<i>Grammodes stolda</i>		2					1		
Buttoned Snout	<i>Hypena rostralis</i>								1	
Four-spotted Footman	<i>Lithosia quadra</i>			1						
Gypsy Moth	<i>Lymantria dispar</i>				1					
Rosy Footman	<i>Miltochrista miniata</i>									1
The Vapourer	<i>Orgyia antiqua</i>									1
Clay Fan-foot	<i>Paracolax tristalis</i>							1		
Wood Tiger	<i>Parasemia plantaginis</i>					2				
Dotted Footman	<i>Pelosia muscerda</i>							1	1	
Buff-tip	<i>Phalera bucephala</i>						1			

Common name	Scientific name	June 2023									
		13	14	15	16	17	18	19	20	21	
Buff Ermine	<i>Spilosoma lutea</i>		1				1				
Feathered Footman	<i>Spiris striata</i>		1	2				1		1	
Jubilee Fan-Foot	<i>Zanclognatha lunalis</i>								1	1	
Cutworm Moths and Allies	Noctuidae										
Knot Grass	<i>Acronicta rumicis</i>									1	
The Druid	<i>Aedia funesta</i>				2						
Light Feathered Rustic	<i>Agrotis cinerea</i>					2	3				
Heart & Dart	<i>Agrotis exclamationis</i>						1				
Rustic Shoulder Knot	<i>Apamea sordens</i>						1				
Silver Y	<i>Autographa gamma</i>	1	1			✓	✓	2	2		
The Flame	<i>Axylia putris</i>						1				
Treble-lines	<i>Charanyca trigrammica</i>						✓				
Nuttree Tussock	<i>Colocasia coryli</i>					1					
a noctuid	<i>Cosmia confinis</i>							1	4	6	
Coronet	<i>Craniophora ligustri</i>									1	
a noctuid	<i>Dichagyris forcipula</i>								1		
Heart Moth	<i>Dicycla oo</i>								1		
Beautiful Brocade Moth	<i>Lacanobia contigua</i>						1				
Pale-shouldered Brocade	<i>Lacanobia thalassina</i>				1						
White-speck	<i>Mythimna unipuncta</i>					1					
Large-broad-bordered Yellow Underwing	<i>Noctua fimbriata</i>					1					
Flame Shoulder	<i>Ochropleura plecta</i>						1				
Feathered Ear	<i>Pachetra sagittigera</i>					✓	✓				
Four-spotted Moth	<i>Tyta luctuosa</i>		3				1	1			
Setaceous Hebrew Character	<i>Xestia c-nigrum</i>						1				

Other invertebrates

Common name	Scientific name
Spiders	Araneae
Green Huntsman Spider	<i>Micrommata virescens</i>
Bordered Orbweaver	<i>Neoscona adianta</i>
Lynx Spider	<i>Oxyopes heterophthalmus</i>
a crab spider	<i>Thomisus onustus</i>
Lacewings and allies	Neuroptera
an owl fly	<i>Libelloides macaronius</i>
an ant-lion	<i>Myrmeleon formicarius</i>
Sinuated Spoonwing	<i>Nemoptera sinuata</i>
Mantids	Mantodea
a praying mantis	<i>Empusa fasciata</i>
European Praying Mantis	<i>Mantis religiosa</i>
Grasshoppers & Crickets	Orthoptera
Egyptian Locust	<i>Anacridium aegyptium</i>
Broad Green-winged Grasshopper	<i>Aiolopus strepens</i>
Blackwinged Saw Bush-Cricket	<i>Ancistrura nigrovittata</i>
White-faced Bush-Cricket	<i>Decticus albifrons</i>

Common name	Scientific name
Wartbiter	<i>Decticus verrucivorus</i>
Smyranean Bush-Cricket	<i>Eupholidoptera smyrnensis</i>
Field Cricket	<i>Gryllus campestris</i>
Modest Plump Bush-cricket	<i>Isophya modesta</i>
Desert Cricket	<i>Melanogryllus desertus</i>
Woodland Grasshopper	<i>Omocestus rufipes</i>
Fuss' Bright Bush-Cricket	<i>Poecilimon fussii</i>
Bellied Bright Bush-Cricket	<i>Poecilimon thoracicus</i>
Zwick's Bright Bush-Cricket	<i>Poecilimon zwicki</i>
Anatolian Predatory Bush-Cricket	<i>Saga natoliae</i>
Great Green Bush-Cricket	<i>Tettigonia viridissima</i>
Cockroaches	Blattodea
a cockroach	<i>Ectobius erythronotus</i>
True Bugs	Hemiptera
Lucerne Bug	<i>Adelphocoris lineolatus</i>
Almond Stink Bug	<i>Apodiphus amygdali</i>
Red Shield Bug	<i>Carpocoris mediterraneus</i>
a leatherbug	<i>Ceraleptus gracilicornis</i>
a froghopper	<i>Cercopis sanguinolenta</i>
Red-and-Black Froghopper	<i>Cercopis vulnerata</i>
Sloe Bug	<i>Dolycoris baccarum</i>
White-shouldered Shieldbug	<i>Dyroderes umbraculatus</i>
Cabbage Bug	<i>Eurydema oleracea</i>
Ornate Shieldbug	<i>Eurydema ornata</i>
a shield bug	<i>Eurydema ventralis</i>
Tortoise Shieldbug	<i>Eurygaster testudinaria</i>
Striped Shieldbug	<i>Graphosoma italicum</i>
Brown Marmorated Stink Bug	<i>Halyomorpha halys</i>
Black-and-red Bug	<i>Lygaeus equestris</i>
a reduvid	<i>Nagusta goedelii</i>
Southern Green Shieldbug	<i>Nezara viridula</i>
Vernal Shieldbug	<i>Peribalus strictus</i>
Marsh Rhopalid	<i>Rhopalus maculatus</i>
Red Assassin Bug	<i>Rhynocoris iracundus</i>
Bright-spotted Groundbug	<i>Rhyparochromus vulgaris</i>
a ground bug	<i>Spilostethus saxatilis</i>
Rambur's Pied Shieldbug	<i>Tritomegas sexmaculatus</i>
Beetles	Coleoptera
a longhorn beetle	<i>Agapanthia kirbyi</i>
a longhorn beetle	<i>Agapanthia violacea</i>
a chafer	<i>Anisoplia agricola</i>
a chafer	<i>Anoxia scutellaris</i>
a bombardier beetle	<i>Brachinus ejaculans</i>
a bombardier beetle	<i>Brachinus ejaculans</i>
a longhorn beetle	<i>Carinatodorcadion aethiops</i>
a chafer	<i>Chaetopteroptia segetum</i>
a jewel beetle	<i>Chalcophorella stigmatica</i>

Common name	Scientific name
Large Thistle Weevil	<i>Cleonis pigra</i>
a longhorn beetle	<i>Clytus rhamni</i>
Black-and-red Pot Beetle	<i>Cryptocephalus bipunctatus</i>
a burning blister beetle	<i>Epicauta erythrocephala</i>
a jewel beetle	<i>Julodis ehrenbergii</i>
Flatheaded Woodborer	<i>Capnodis tenebrionis</i>
a leaf beetle	<i>Lachnaia sexpunctata</i>
a weevil	<i>Larinus latus</i>
a weevil	<i>Lixus iridis</i>
Scarlet Malachite Beetle	<i>Malachius aeneus</i>
a longhorn beetle	<i>Morimus funerus</i>
a blister beetle	<i>Mylabris variabilis</i>
a flower beetle	<i>Oedemera crassipes</i>
a flower beetle	<i>Oedemera femorata</i>
a leaf beetle	<i>Oreina alpestris</i>
European Rhinoceros Beetle	<i>Oryctes nasicornis</i>
Middle Eastern Flower Scarab	<i>Oxythyrea cinctella</i>
Tanbark Borer	<i>Phymatodes testaceus</i>
a longhorn beetle	<i>Phytoecia caerulescens</i>
Lucerne Longicorn	<i>Plagionotus floralis</i>
a dung beetle	<i>Scarabaeus pius</i>
a longhorn beetle	<i>Stenopterus atricornis</i>
a longhorn beetle	<i>Stenurella bifasciata</i>
Bee-eating Beetle	<i>Trichodes apiarius</i>
Apple Blossom Beetle	<i>Tropinota hirta</i>
a leaf beetle	<i>Clytra novempunctata</i>
True Flies	Diptera
a beefly	<i>Heteralonia megerlei</i>
a beefly	<i>Villa ixion</i>
a conopid fly	<i>Myopa dorsalis</i>
a hoverfly	<i>Chrysotoxum intermedium</i>
a hoverfly	<i>Brachypalpoides lentus</i>
a hoverfly	<i>Criorhina berberina</i>
Common Red-legged Robberfly	<i>Dioctria rufipes</i>
a robberfly	<i>Echthistus rufinervis</i>
a soldierfly	<i>Chloromyia speciosa</i>
a soldierfly	<i>Stratiomys ruficornis</i>
a soldierfly	<i>Odontomyia flavissima</i>
a soldierfly	<i>Lasiopa villosa</i>
Bright Horsefly	<i>Hybomitra distinguenda</i>
a horsefly	<i>Pangonius pyritosus</i>
a robberfly	<i>Stenopogon sabaudus</i>
Bees, wasps, Sawflies	Hymenoptera
Bramble Sawfly	<i>Arge cyanocrocea</i>
a sawfly	<i>Tenthredo koehleri</i>
a spider hunting wasp	<i>Cryptocheilus ichneumonoides</i>
a potter wasp	<i>Delta unguiculatum</i>

Common name	Scientific name
a digger wasp	<i>Hoplammophila armata</i>
Violet Carpenter Bee	<i>Xylocopa violacea</i>
a bumblebee	<i>Bombus haematurus</i>
Hill Cuckoo-Bumble Bee	<i>Bombus rupestris</i>
Snails	Mollusca
Roman Snail	<i>Helix potamida</i>

Birds (h = Heard only)

Common name	Scientific name	June 2023									
		13	14	15	16	17	18	19	20	21	
Mallard	<i>Anas platyrhynchos</i>		1						2		
Alpine Swift	<i>Tachymarptis melba</i>					2	4	12		✓	
Swift	<i>Apus apus</i>	2	✓	1	✓	✓	✓				
Pallid Swift	<i>Apus pallidus</i>		1	✓		2	✓				
Cuckoo	<i>Cuculus canorus</i>		3	h	h	h	h	h	1		
Rock Dove/Feral Pigeon	<i>Columba livia</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Wood Pigeon	<i>Columba palumbus</i>		✓	✓	✓		✓		1		
Collared Dove	<i>Streptopelia decaocto</i>	✓	✓	✓	✓		✓	✓	✓	✓	
Turtle Dove	<i>Streptopelia turtur</i>		✓	✓	✓		h	2	3		
Moorhen	<i>Gallinula chloropus</i>		1						1		
Coot	<i>Fulica atra</i>								20		
Little Grebe	<i>Tachybaptus ruficollis</i>								4		
Great Crested Grebe	<i>Podiceps cristatus</i>								20		
Oystercatcher	<i>Haematopus ostralegus</i>		2								
Black-winged Stilt	<i>Himantopus himantopus</i>				2						
Little Ringed Plover	<i>Charadrius dubius</i>		1		1				1		
Common Sandpiper	<i>Actitis hypoleucos</i>								2		
Yellow-legged Gull	<i>Larus michahellis</i>				1				1		
Black Stork	<i>Ciconia nigra</i>				6	2		2	2		
White Stork	<i>Ciconia ciconia</i>	25	✓	✓	✓		2	8	✓	✓	
Pygmy Cormorant	<i>Microcarbo pygmeus</i>								✓		
Cormorant	<i>Phalacrocorax carbo</i>		1	1	✓	✓			✓	3	
Spoonbill	<i>Platalea leucorodia</i>								12		
Little Bittern	<i>Ixobrychus minutus</i>		1		100+				2		
Night Heron	<i>Nycticorax nycticorax</i>								8		
Squacco Heron	<i>Ardeola ralloides</i>								12		
Western Cattle Egret	<i>Bubulcus ibis</i>								3		
Grey Heron	<i>Ardea cinerea</i>				30+			1	✓		
Great White Egret	<i>Egretta alba</i>		1								
Little Egret	<i>Egretta garzetta</i>		1						5		
White Pelican	<i>Pelecanus onocrotalus</i>								4		
Dalmatian Pelican	<i>Pelecanus crispus</i>								5		
Egyptian Vulture	<i>Neophron percnopterus</i>			1							
Honey Buzzard	<i>Pernis apivorus</i>			4				1	6	1	
Griffon Vulture	<i>Gyps fulvus</i>				30+						
Lesser Spotted Eagle	<i>Aquila pomarina</i>		1	2					2		

Common name	Scientific name	June 2023								
		13	14	15	16	17	18	19	20	21
Short-toed Eagle	<i>Circaetus gallicus</i>		2	1			3	3	1	
Booted Eagle	<i>Hieraaetus pennatus</i>			2					1	
Sparrowhawk	<i>Accipiter nisus</i>						1	1		
Levant Sparrowhawk	<i>Accipiter brevipes</i>								1	
Marsh Harrier	<i>Circus aeruginosus</i>		2							
Montagu's Harrier	<i>Circus pygargus</i>		1							
Black Kite	<i>Milvus migrans</i>				2					
Long-legged Buzzard	<i>Buteo rufinus</i>								1	
Common Buzzard	<i>Buteo buteo</i>		3	2	✓	2	1	1	5	2
Little Owl	<i>Athene noctua</i>		2	1	1					
Scops Owl	<i>Otus scops</i>		h	h						
Tawny Owl	<i>Strix aluco</i>								1	
Hoopoe	<i>Upupa epops</i>		h	h	1		h	h	3	
Roller	<i>Coracias garrulus</i>		3	1				4	3	
Kingfisher	<i>Alcedo atthis</i>								1	
Bee-eater	<i>Merops apiaster</i>		✓	3	1		2	5	✓	
Lesser Spotted Woodpecker	<i>Dryobates minor</i>			h						
Syrian Woodpecker	<i>Dendrocopos syriacus</i>		2	4	1					
Great Spotted Woodpecker	<i>Dendrocopos major</i>					4	2			
Black Woodpecker	<i>Dryocopus martius</i>								1	
Grey-headed Woodpecker	<i>Picus canus</i>	1								
Green Woodpecker	<i>Picus viridis</i>		1	1			1	h		h
Common Kestrel	<i>Falco tinnunculus</i>		1		3		1	2	2	4
Eleonora's Falcon	<i>Falco eleonora</i>			2	2			1		3
Hobby	<i>Falco subbuteo</i>				1				3	1
Peregrine Falcon	<i>Falco peregrinus</i>				1					1
Red-backed Shrike	<i>Lanius collurio</i>		✓	✓	✓	1		1		
Lesser Grey Shrike	<i>Lanius minor</i>		1	2	1					
Woodchat Shrike	<i>Lanius senator</i>		1				1	2	1	
Golden Oriole	<i>Oriolus oriolus</i>		5	12	✓		1	4	3	h
Jay	<i>Garrulus glandarius</i>	1	1	2	2	2		1		1
Magpie	<i>Pica pica</i>	✓	✓	✓	✓	1	✓	1	5	✓
Nutcracker	<i>Nucifraga caryocatactes</i>				h	h	h			
Jackdaw	<i>Coloeus monedula</i>	✓	✓	✓	✓					
Rook	<i>Corvus frugilegus</i>		✓							
Hooded Crow	<i>Corvus cornix</i>	2	✓	✓	✓	✓		2	12	✓
Raven	<i>Corvus corax</i>		1	1	4	1	1			
Coal Tit	<i>Parus ater</i>				2	1	6			
Crested Tit	<i>Lophophanes cristatus</i>						2			
Sombre Tit	<i>Poecile lugubris</i>			2			1			
Marsh Tit	<i>Poecile palustris</i>						1			
Willow Tit	<i>Poecile montana</i>					1	h			
Blue Tit	<i>Cyanistes caeruleus</i>	1	✓		h			1		
Great Tit	<i>Parus major</i>			1	✓				1	
Woodlark	<i>Lullula arborea</i>		h	2	h		1			

Common name	Scientific name	June 2023								
		13	14	15	16	17	18	19	20	21
Skylark	<i>Alauda arvensis</i>			1	2					
Crested Lark	<i>Galerida cristata</i>		5	2	✓		1	✓	8	
Sand Martin	<i>Riparia riparia</i>							5	6	
Crag Martin	<i>Ptyonoprogne rupestris</i>			2	5	✓				
Swallow	<i>Hirundo rustica</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
House Martin	<i>Delichon urbicum</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
Red-rumped Swallow	<i>Cecropis daurica</i>	3	✓	✓	✓	✓	✓	✓	✓	✓
Cetti's Warbler	<i>Cettia cetti</i>						h	h	h	
Long-tailed Tit	<i>Aegithalos caudatus</i>			1						h
Chiffchaff	<i>Phylloscopus collybita</i>			h		1	h			
Willow Warbler	<i>Phylloscopus trochilus</i>						h			
Great Reed Warbler	<i>Acrocephalus arundinaceus</i>		2	h				1	3	
Reed Warbler	<i>Acrocephalus scirpaceus</i>		h						1	
Eastern Olivaceous Warbler	<i>Iduna pallida</i>				1+1 h		1	5	✓	h
Blackcap	<i>Sylvia atricapilla</i>	h	h			1	h	1	1	
Lesser Whitethroat	<i>Curruca curruca</i>			h						
Common Whitethroat	<i>Curruca communis</i>			h				h		
Firecrest	<i>Regulus ignicapillus</i>					2	h			
Goldcrest	<i>Regulus regulus</i>						h			
Wren	<i>Troglodytes troglodytes</i>					h	h	1		
Nuthatch	<i>Sitta europaea</i>						h	1		
Wallcreeper	<i>Trichodroma muraria</i>					1				
Starling	<i>Sturnus vulgaris</i>	✓	✓	✓	✓		1	1	12	✓
Song Thrush	<i>Turdus philomelos</i>	h	✓			1	1	1	h	h
Mistle Thrush	<i>Turdus viscivorus</i>			1	1	5	1			
Blackbird	<i>Turdus merula</i>	h	✓	✓	✓	✓	✓	✓	✓	✓
Rufous-tailed Scrub Robin	<i>Cercotrichas galactotes</i>						1			
Spotted Flycatcher	<i>Muscicapa striata</i>		1		1			1		
Robin	<i>Erithacus rubecula</i>		1			1	h			h
Nightingale	<i>Luscinia megarhynchos</i>	h	h	1	2		1	h	1	1
Black Redstart	<i>Phoenicurus ochruros</i>		5			2				
Redstart	<i>Phoenicurus phoenicurus</i>				1					
Stonechat	<i>Saxicola rubicola</i>							1		
Northern Wheatear	<i>Oenanthe oenanthe</i>							1		
Dipper	<i>Cinclus cinclus</i>					6				
Tree Sparrow	<i>Passer montanus</i>	✓	✓		✓				20	
Spanish Sparrow	<i>Passer hispaniolensis</i>		✓	✓	✓		3	✓	✓	✓
House Sparrow	<i>Passer domesticus</i>	✓	✓				5	✓	✓	✓
Dunnock	<i>Prunella modularis</i>					1	1			
Black-headed Wagtail	<i>Motacilla flava feldegg</i>		2							
Grey Wagtail	<i>Motacilla cinerea</i>	1	✓	2	1	5	1			
White Wagtail	<i>Motacilla alba</i>	1	✓	1	2	1	✓	1	1	
Tree Pipit	<i>Anthus trivialis</i>			2						
Chaffinch	<i>Fringilla coelebs</i>	h	1	1	h	✓	✓	h		1

		June 2023								
Common name	Scientific name	13	14	15	16	17	18	19	20	21
Hawfinch	<i>Coccothraustes coccothraustes</i>						6	3		
Bullfinch	<i>Pyrrhula pyrrhula</i>	h				3	1			
Greenfinch	<i>Chloris chloris</i>		2	1			✓	1		
Linnet	<i>Linaria cannabina</i>		1							
Crossbill	<i>Loxia curvirostra</i>						8			
Goldfinch	<i>Carduelis carduelis</i>		2		2	6	✓	6	4	
Serin	<i>Serinus serinus</i>	h	1				1			
Corn Bunting	<i>Emberiza calandra</i>	h	✓	✓	✓		✓	✓		
Cirl Bunting	<i>Emberiza cirlus</i>			1	1		h	h		h
Black-headed Bunting	<i>Emberiza melanocephala</i>				1		1	10		

Other vertebrates (D = Dead)

		June 2023								
Common name	Scientific name	13	14	15	16	17	18	19	20	21
Amphibians & Reptiles										
Common Toad	<i>Bufo bufo</i>							1		
Common Frog	<i>Rana temporaria</i>				1		1	2		
Marsh Frog	<i>Rana ridibunda</i>			✓	✓	✓		✓	✓	✓
Hermann's Tortoise	<i>Testudo hermanni</i>			1						
Spur-thighed Tortoise	<i>Testudo graeca</i>				1		1			
European Pond Terrapin	<i>Emys orbicularis</i>								3	
Red-eared Slider	<i>Trachemys scripta elegans</i>									✓
Yellow-cheeked Slider	<i>Trachemys scripta scripta</i>									✓
Balkan Terrapin	<i>Mauremys rivulata</i>								3	✓
Green Lizard	<i>Lacerta viridis</i>		1	1	2		1		1	
Balkan Wall Lizard	<i>Podarcis taurica</i>		1					2		
Common Wall Lizard	<i>Podarcis muralis</i>							1		
Slow-worm	<i>Anguis fragilis</i>					D				
Dice Snake	<i>Natrix tessellata</i>			1						
Mammals										
Golden Jackal	<i>Canis aureus</i>		1							
Northern White-breasted Hedgehog	<i>Erinaceus romanicus</i>			1	1					
Brown Hare	<i>Lepus europaeus</i>				1					
Pine Marten	<i>Martes martes</i>					D				
Red Fox	<i>Vulpes vulpes</i>						1			

Flora

Common name	Scientific name
Ferns	Polypodiopsida
Brittle Bladderfern	<i>Cystopteris fragilis</i>
Clover Fern	<i>Marsilea quadrifolia</i>
Conifers	Pinopsida
Norway Spruce	<i>Picea abies</i>
Pinks	Caryophyllaceae
Maiden Pink	<i>Dianthus deltoides</i>
Giant Pink	<i>Dianthus giganteus</i>
a pink	<i>Dianthus monadelphus</i>
Styvarv	<i>Moenchia mantica</i>
Perennial Knawel	<i>Scleranthus perennis</i>
Rose Campion	<i>Silene coronaria</i>
a catchfly	<i>Silene exaltata</i>
a catchfly	<i>Silene fabarioides</i>
Sticky Catchfly	<i>Viscaria vulgaris</i>
Buttercup family	Ranunculaceae
Common Columbine	<i>Aquilegia vulgaris</i>
Forking Larkspur	<i>Delphinium consolida</i>
French Meadow-rue	<i>Thalictrum aquilegifolium</i>
Lythrum family	Lythraceae
Water Chestnut	<i>Trapa natans</i>
Cabbage family	Brassicaceae
Large Bittercress	<i>Cardamine amara</i>
Yellowtuft	<i>Odontarrhena muralis</i>
Saxifrage family	Saxifragaceae
a saxifrage	<i>Saxifraga juniperifolia</i>
a saxifrage	<i>Saxifraga luteoviridis</i>
White Mountain Saxifrage	<i>Saxifraga paniculata</i>
Round-leaved Saxifrage	<i>Saxifraga rotundifolia</i>
Rose Family	Rosaceae
Hoary Cinquefoil	<i>Potentilla argentea</i>
Legumes	Fabaceae
Kidneyvetch	<i>Anthyllis vulneraria</i>
Wild Liquorice	<i>Astragalus glycyphyllos</i>
Saintfoin Milk Vetch	<i>Astragalus onobrychis</i>
a broom	<i>Chamaecytisus austriacus</i>
Winged Broom	<i>Genista sagittalis</i>
Dyer's Greenweed	<i>Genista tinctoria</i>
a sweet pea	<i>Lathyrus laxiflorus</i>
Hungarian Sainfoin	<i>Onobrychis arenaria</i>
Narrowleaf Crimson Clover	<i>Trifolium angustifolium</i>
Prickly Clover	<i>Trifolium echinatum</i>
Purple Clover	<i>Trifolium purpureum</i>
Blue Fenugreek	<i>Trigonella caerulea</i>
Large Yellow Vetch	<i>Vicia grandiflora</i>
Cranesbill family	Geraniaceae
Rock Crane's-bill	<i>Geranium macrorrhizum</i>
Bloody Crane's-Bill	<i>Geranium sanguineum</i>
Flax family	Linaceae

Common name	Scientific name
a flax	<i>Linum capitatum</i>
Citrus Family	Rutaceae
a rutacid	<i>Haplophyllum suaveolens</i>
Buckthorn family	Rhamnaceae
Jerusalem Thorn	<i>Paliurus spina-christi</i>
Milkworts	Polygalaceae
Great Milkwort	<i>Polygala major</i>
Rockrose family	Cistaceae
Spotted Rock-rose	<i>Tuberaria guttata</i>
St John's-Worts	Hypericaceae
Silvana St. John's-wort	<i>Hypericum cerastioides</i>
Violets	Violaceae
Wild Pansy	<i>Viola tricolor</i>
Umbellifers	Apiaceae
a hares-ear	<i>Bupleurum flavum</i>
Prickly Parsnip	<i>Echinophora spinosa</i>
White Lace Flower	<i>Orlaya grandiflora</i>
Heath family	Ericaceae
One-flowered Wintergreen	<i>Moneses uniflora</i>
Borage Family	Boraginaceae
Common Bugloss	<i>Anchusa officinalis</i>
Pale Viper's-Bugloss	<i>Echium italicum</i>
Viper's-bugloss	<i>Echium vulgare</i>
Hairy Golden-Drop	<i>Onosma echioides</i>
Red Lungwort	<i>Pulmonaria rubra</i>
Bulbous Comfrey	<i>Symphytum bulbosum</i>
Tuberous Comfrey	<i>Symphytum tuberosum</i>
Mint family	
Motherwort	<i>Leonurus cardiaca</i>
Wood Sage	<i>Salvia nemorosa</i>
Clary	<i>Salvia sclarea</i>
Annual Clary	<i>Salvia viridis</i>
Common Ironwort	<i>Sideritis romana</i>
Downy Woundwort	<i>Stachys germanica</i>
Perennial Yellow-woundwort	<i>Stachys recta</i>
Attican Thyme	<i>Thymus atticus</i>
Gesneria Family	Gesneriaceae
a gesneria	<i>Haberlea rhodopensis</i>
Figwort Family	Scrophulariaceae
Dense-flowered Mullein	<i>Verbascum densiflorum</i>
Scallop-leaved Mullein	<i>Verbascum sinuatum</i>
Hungarian Mullein	<i>Verbascum speciosum</i>
Plantain family	Plantaginaceae
Woolly Foxglove	<i>Digitalis lanata</i>
Green-flowered Foxglove	<i>Digitalis viridiflora</i>
Hedgehyssop	<i>Gratiola officinalis</i>
Broom-leaved Toadflax	<i>Linaria genistifolia</i>
Broomrape family	Orobanchaceae
Thyme Broomrape	<i>Orobanche alba</i>
a lousewort?	<i>Pedicularis brachyodonta?</i>
Greater Yellow Rattle	<i>Rhinanthus alectorolophus</i>

Common name	Scientific name
Honeysuckle family	Caprifoliaceae
Field Scabious	<i>Knautia arvensis</i>
Hungarian Scabious	<i>Knautia drymeia</i>
a scabious	<i>Knautia orientalis</i>
Yellow Scabious	<i>Scabiosa ochroleuca</i>
a scabious	<i>Scabiosa triniifolia</i>
a valarian	<i>Valeriana alliarifolia</i>
Bellflowers	Campanulaceae
a bellflower	<i>Asyneuma limonifolium</i>
a bellflower	<i>Campanula lingulata</i>
Spreading Bellflower	<i>Campanula patula</i>
Rampion Bellflower	<i>Campanula rapunculus</i>
Large Venus's Looking-glass	<i>Legousia speculum-veneris</i>
Daisy family	
Fernleaf Yarrow	<i>Achillea filipendulina</i>
a thistle	<i>Carduus candicans</i>
Yellow Star-thistle	<i>Centaurea solstitialis</i>
Squarrose Knapweed	<i>Centaurea triumfettii</i>
a thistle	<i>Cirsium appendiculatum</i>
Bearded Creeper	<i>Crupina vulgaris</i>
Common Golden Thistle	<i>Scolymus hispanicus</i>
Balkan Goat's-beard	<i>Tragopogon balcanicus</i>
Immortelle	<i>Xeranthemum annuum</i>
Amaryllis, Onions, and Allies	Amaryllidaceae
Round-headed Leek	<i>Allium sphaerocephalon</i>
Iris family	Iridaceae
Marsh Gladiolus	<i>Gladiolus palustris</i>
Orchids	Orchidaceae
Bug Orchid	<i>Anacamptis coriophora</i>
Loose-flowered Orchid	<i>Anacamptis laxiflora</i>
Green-winged Orchid	<i>Anacamptis morio ssp caucasica</i>
Pyramidal Orchid	<i>Anacamptis pyramidalis</i>
White Helleborine	<i>Cephalanthera damasonium</i>
Sword-leaved Heleborine	<i>Cephalanthera longifolia</i>
Broad-leaved Marsh-Orchid	<i>Dactylorhiza majalis cordigera</i>
Elder-flowered Orchid	<i>Dactylorhiza sambucina</i>
Common Spotted Orchid	<i>Dactylorhiza maculata saccifera</i>
a Lizard Orchid	<i>Himantoglossum calcaratum subsp. jankae</i>
Twayblade	<i>Neottia ovata</i>
Military Orchid	<i>Orchis militaris</i>
Bulrushes, Cattails, and Allies	Typhaceae
Southern Cattail	<i>Typha domingensis</i>