

# Armenia - Spring Birds and Flowers

Naturetrek Tour Report

30 May - 7 June 2015

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*Campanula tridentata*



Finsch's Wheatear



Pale Rock Sparrow



*Fritillaria collina*

Report & Images by Paul Harnes & Hasmik Ter Voskanyan



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Tour participants: Paul Harmes (leader/botanist), Hasmik Ter Voskanyan (local ornithologist), Levon (driver) and Armine (local agent) together with six Naturetrek clients

## Day 1

Saturday 30th May

### Heathrow to Yerevan via Moscow

Five Group members met Paul at Heathrow Terminal 4 for the Aeroflot flight to Moscow Sheremetyevo Airport, where we transferred, in very quick time, to an Aeroflot flight to Yerevan. We arrived at Yerevan Zvartsnots Airport where, after changing money and collecting our luggage, we met with Hasmik and Levon. We transferred to a bus for the short journey through the Armenian capital to the Hrazdan Hotel, our base for the first two nights of the tour. Here we met up with our last group member, Murray, who had arrived from the USA on a separate flight. After rooms had been allocated, we gathered for a light supper before retiring to bed.

## Day 2

Sunday 31st May

### Mount Aragats

At 8am, following breakfast, we left the hotel and were on our way westwards towards Mount Aragats. Along the way we passed several small flocks of Rose-coloured Starlings. Our first stop today was in an area of semi-degraded steppe above Byurakan, about forty minutes drive from Yerevan. Here the botanists had an introduction to some of the characteristic steppe plants. These included *Onosma microcarpum* (a Golden Drops), *Hypericum polygonifolium* (a St. John's-wort) and *Cerinth minor* (Lesser Honeywort), while birds included Common Buzzard, Crested Lark, Western Rock Nuthatch, Northern and Black-eared Wheatears, Black Redstart and Bimaculated Lark. Butterflies included Moorland Clouded Yellow, Large Grizzled Skipper, Cardinal Fritillary, Large White and Eastern Dappled White. A second stop was made a little higher, where we found *Quercus petraea subsp. ibirica* (Georgian Oak) and *Veronica gentianoides* (Gentian-like Speedwell). We also added Booted Eagle and Common Whitethroat to the bird list and Clouded Apollo to the butterfly list. Moving on, we started to ascend into the foothills where a 20 minute stop in an area of mountain steppe produced fine views of White-throated Robin for the whole group. For the botanists there were *Pedicularis sibthorpii* (Sibthorp's Lousewort), *Veronica multifida* (a Speedwell) and *Orchis mascula* (Early Purple Orchid).

Our final stop of the morning was in the sub-alpine zone, where the birders tracked down Radde's Accentor and Common Rock Thrush, and the botanists added *Primula veris subsp. macrocalyx* (a Cowslip) and *Cruciata laevipes* (Crosswort).

We now made the 20 minute drive to Amberd where we had our picnic in boulder strewn grassland. Crag Martin, Red-billed Chough, Barn Swallow and Common Swift were all seen before we took the opportunity to visit the seventh century church and fortress. The remainder of our time on Mt. Aragats was devoted to exploring the alpine zone where a good deal of remaining snow covered the ground. There was not much for the botanists, but we did find *Gagea glacialis* (Glacier Yellow Star of Bethlehem), *Scilla sibirica subsp. armena* and *Colchicum szovitsii*. Birds included Horned Lark, Water Pipit, Alpine Accentor,

Northern Wheatear and Crag Martin. It was now time to return to the hotel to freshen up, before visiting a nearby restaurant for dinner. As we descended the mountain we had superb views of a hunting Long-legged Buzzard.

## Day 3

Monday 1st June

### Armash Fishponds, Noravank Gorge & Yeghegnadzor:

After breakfast, we departed the hotel at 8am and headed for Armash, located on the Turkish border an hour or so south-east of Yerevan. We drove south on the M2, passing through Artashat and Avshar. A few Hoopoes were seen along the road, as well as White Storks. As we arrived at the Armash Fishponds a Grass Snake was spotted swimming across a dyke. After entering the site, we drove past two large buildings and parked between two of the lakes, on a dyke. Early sightings were Great Crested Grebe, Black-crowned Night Heron, Glossy Ibis, Squacco and Purple Herons, Blue-cheeked Bee-eater, Black-winged Stilt, Eurasian Tree Sparrow and a female Marsh Harrier. Setting off from the bus, we walked the tracks beside two large ponds. In the marginal reeds, Bearded Reedlings were very active, together with several Great Reed Warblers. A Menetries Warbler showed well in a Tamarisk bush. As we reached an area of grassland, European Roller was seen, together with one or two Black-headed Yellow Wagtails. On the open water we saw Ferruginous Duck, Red-crested Pochard, Mallard, White-headed Duck, Coot, Moorhen, and a good number of Pygmy Cormorants. For the botanists, this was a fascinating, inland, saline habitat. Many of the plants found here were some one thousand miles from the nearest coast. *Chenopodium glaucum* (Oak-leaved Goosefoot), *Lepidium latifolium* (Dittander), *Cynodon dactylon* (Bermuda Grass), *Hordeum marinum* (Sea Barley) and *Suaeda maritima* (Sea Blite) were all recorded, as well as Lesser Emperor and Black-tailed Skimmer Dragonflies.

We now made our way back to the vehicle for the short journey to our lunch stop on the south side of the site, under the shade of a solitary *Elaeagnus angustifolia* (Russian Olive), during which Small White and Eastern Bath White butterflies were seen.

Continuing our journey eastwards through Sevakanan, we made a short stop to visit a local wine producer before continuing to the Noravank Gorge, where we parked up and continued on foot. The streamside meadows held *Ornithogalum bajastanicum* (Armenian Star of Bethlehem), *Celtis australis subsp. caucasica* (Caucasian Nettle-tree), *Eremostachys mollucelloides subsp. macrophylla* and *Securigera varia* (Crown Vetch). The birders enjoyed views of Eurasian Crag Martin, Red-billed Chough, Eastern Rock Nuthatch and a splendid pair of Golden Eagles. This location was particularly rich in butterflies and Adonis, Common and Green-underside Blues, Spotted, Cardinal and Niobe Fritillaries, and Black-veined White were all recorded.

From here, it was only about 10 kilometres to our home-stay accommodation in Yeghegnadzor, where we arrived just after 6pm to the song of a Nightingale, and to be met by Gohar, our host.

## Day 4

Tuesday 2nd June

### South of Mount Gndasar - Gnishik

Nightingale and Golden Oriole were singing very early this morning, acting as a natural alarm clock. After an early breakfast, at 5.30am we set off westwards in 4x4 vehicles towards the village of Rind, where we left the public roads and started to climb on mountain tracks in the direction of Mount Gndasar. We made steady progress to our first stopping point, arriving just after 7.30am. In the distance the distinctive calls of Caspian Snowcock could be heard occasionally, but they didn't come into view. However, we did record Common Buzzard, Ring Ouzel, Crag Martin, Whitethroat and, somewhat surprisingly, the calls of Cetti's Warbler.

We now moved even higher to a second location in a coll below some rather imposing crags, and began to scan. A moment of excitement came when a bird was spotted on a very distant mountain ridge, however the excitement was short-lived as it turned out to be a Chukar Partridge. Around our feet we found *Dactylorhiza sambucina* (Elder-flowered Orchid), *Tulipa julia* (a Tulip) in red and yellow, *Arenaria dianthioides* (a Sandwort) and *Silene spugulifolia* (a Catchfly). The snowcock were still not showing, but Log-legged Buzzard and Peregrine Falcon were seen, as well as Hare and a Narrow-bordered Bee Hawk-moth.

We moved back down, returning to our first stop, now in warm morning sunshine. Here we scanned the crags some more and ate our packed lunches. After eating, we began a slow walk down the path. Butterflies were becoming active with Large White, Eastern Bath White, Little Blue, the local species of Marsh Fritillary, Woodland Ringlet and Scarce Copper among them. Some spectacular flowers were also found including *Ixilirion tartaricum* (Ixilirion), *Gladiolus atroviolescens* (A Gladiolus), *Stachys lavandulifolia*, *Lathyrus miniatus* (a Red Pea), the curious parasite *Diphelypaea tournefortii* and *Trifolium canescens*. We now re-joined our vehicles for the journey back to our accommodation where we transferred to our bus.

Our final destination today was the high, rolling meadows and rocky gorges at Gnishik, south of Yeghegnadzor. Here, we timed our arrival perfectly as a fairly heavy bout of rain was coming to an end and the sun re-emerged. Skylark, Black-headed Bunting, Whitethroat and Rock Bunting were early finds for the birders. The botanists explored the open meadows and verges, finding the endemic *Onobrychis cornuta* (a Sainfoin), *Astragalus fragrans*, *Onobrychis radiata*, *Hedysarum ibericum*, *Achillea arabica* (Bieberstein's Millfoil), the rather rare *Matthiola boissieri* and *Hypericum scabrum* (a St. John's-wort). Lower down, Chukar Partridge was seen, Common Quail was singing, and Black-veined and Silver-Y moths were also seen before it was time to return to Yeghegnadzor for dinner.

## Day 5

Wednesday 3rd June

### Selim Pass - Dilijan

After breakfast we left the 'Homestay' accommodation. We bade farewell to Gohar and were soon on our way northwards towards the Selim Pass.

Our first stop was on the twisting road that leads to the Selim Pass, at a point just south of Caravanseri, the resting place of travellers on the Silk Road in medieval times. While here, on the stony slopes on the

east side of the road, we found Hobby, Booted Eagle, Long-legged Buzzard, Red-billed Chough, Woodlark and Rock Bunting. Meanwhile, among the boulders, there was *Papaver fugax* (a Poppy), *Onosma serica* (a Golden Drops), *Stachys lavandulifolia* (Lavender-leaved Woundwort) and *Verbascum Phoeniceum* (Phoenician Mullein). Butterflies included Green-underside Blue, Green Hairstreak, Marsh Fritillary and Spotted Fritillary.

At the Silk Road Caravan Station near the top of the Selim Pass we found Rock Sparrow nesting in the walls of the ancient building, Common Rosefinch called and showed well, there was a distant Common Rock Thrush, and Whinchat was seen. Plants included *Silene spergulifolia*, the leaves of *Papaver orientale* (Oriental Poppy) and a single spike of *Dactylorhiza euxina* (a Marsh Orchid).

Moving on, we soon reached the wide Selim Plateau, an extensive area of wet meadows and streams, which produced *Pedicularis condensata* (Condensed Lousewort), *Pedicularis wilhelmsiana* (Wilhelm's Lousewort), *Veronica gentianoides* (Gentian-like Speedwell), *Caltha palustris* (Marsh Marigold), *Primula auriculata* (a Bird's-eye Primrose) and large numbers of *Dactylorhiza umbrosa* (a Marsh Orchid). For the birders, there was Common Rosefinch, Common Sandpiper, Bluethroat, Black-headed Yellow Wagtail, Lesser Whitethroat and a juvenile Short-toed Snake Eagle.

We now descended to the shores of Lake Sevan, near Lichk, where we spent some time in marginal reclaimed grassland, scrub and woodland. Before setting off to explore, we took lunch by the river where we had good views of Cetti's Warbler and Mountain Chiffchaff. After lunch we set off towards a small lake. This was a good place to study the *Boraginaceae*, the Borage Family. *Lappula squarrosa* (Bur Forget-me-not), *Cynoglossum officinale* (Common Hound's-tongue), *Nonea polychroma* and *Lithospermum arvense* (Field Gromwell) were all found. Birds included Tufted Duck, Little Grebe, a single Cattle Egret, Marsh Harrier and Ferruginous Duck. The highlight of the day was a cloud of some thousands of Sand Martins in the air and at their nest holes in a sandy bank.

Our final stop was at 'Gull island', Lake Sevan, just to the north of Gavar. Here we got our first real opportunity to study Armenian Gull at fairly close quarters, and good telescope views were had by all. We also recorded Great Crested Grebe, Garganey, Coot, Black-crowned Night Heron, Squacco Heron and Great Cormorant, before it started to spit with rain.

The final leg of our journey to Dilijan took just under an hour. We arrived at the rather grand Dilijan Resort Hotel, where it had been raining heavily, in time to check in before dinner.

## Day 6

Thursday 4th June

### Pinz Latz Forest, Haghartsin Forest & the Sevan Pass

After breakfast at 7am, we were ready to leave by 8am for the fifteen minute drive to an area of broadleaf woodland at Pinz Latz, where the forest produced *Carpinus caucasicus* (Caucasian Hornbeam), *Quercus macranthera* (Caucasian Oak) and *Zelkova (Ulmus) carpinifolia* (Caucasian Elm). Further on up the track, the woodland held Hawfinch, Red-breasted Flycatcher and Green Warbler for the birders, and for the

botanists, *Dactylorhiza urvilleana*, *Fagus orientalis* (Oriental Beech), *Bunium orientalis* (Warty Cabbage), *Cardamine impatiens* (Cut-leaved Bitter-cress) and *Pyrus caucasicus* (Caucasian Pear).

Moving on, we made the short journey to the wooded valley of Haghartsin and spent an hour or so exploring the woodland. Bird highlights included Red-breasted Flycatcher, Great Spotted Woodpecker, and Coal Tit. The botanists added a number of Orchid species including *Neottia nidus-avis* (Bird's-nest Orchid), *Platanthera chlorantha* (Greater Butterfly Orchid), *Neottia ovata* (Common Twayblade) and *Cephalanthera damasonium* (White Helleborine). Pearl-bordered Fritillary butterfly was also recorded. From here we made the short hop to Haghartsin Church, which some group members chose to visit. Meanwhile, others had a fleeting glimpse of the local race of Common Redstart. Plants included the curious *Rhynchospora orientalis* and *Geranium sanguineum* (Bloody Crane's-bill).

Lunch was taken in the Haghartsin Forest, before we moved on to the sub-alpine zone of the Sevan Pass where the whole group set off into the flower-rich meadows. As we approached from the village of Semyonovka, we had an unforgettable raptor experience. First, a pair of Lesser Spotted Eagles were seen, followed by a Long-legged Buzzard, a Booted Eagle being mobbed by a Hooded Crow, and finally a solitary Steppe Eagle. The wonderful meadows produced *Anemone narcissiflora* subsp. *fasciculata*, *Trollius ranunculinus* (a Globeflower), *Dactylorhiza umbrosa* and *Dactylorhiza flavascens*. Here, we also recorded Green-veined White, Clouded Yellow and Dingy Skipper butterflies. The birders, meanwhile, saw Corn Bunting and Common Rosefinch, and heard Common Quail and Corncrake.

We then returned to the hotel, where we explored the woodland around the hotel, adding Robin and Honey Buzzard before it was time for dinner.

## Day 7

Friday 5th June

### Pambak Mountain Ridge – Travel to Yeravan

All group members joined Hasmik and Paul on an early morning excursion to try to see Caucasian Grouse. We left the hotel at 4.30am in 4x4 vehicles to make the journey to an isolated mountain top, west of Dilijan. The track up this remote mountain was very uneven and stony. After one and a half hours we arrived at the summit, circa 2,600 metres above the village below. Along the way, a muntjac ran across the track in front of the vehicle. A process of elimination narrowed it down to a Steppe Polecat. Just below the summit we were halted by laying snow, so had to stop. Very soon, scanning of the distant mountainside produced about five Caucasian Grouse, and telescope views were enjoyed by all. Common Buzzard, Booted Eagle and Lesser Spotted Eagle were also recorded. The experience of eating breakfast on a high mountain top whilst listening to Tree Pipits and Water pipits, and surrounded by beautiful flowers, was magical. Also there were good numbers of Common Rosefinch and Cuckoo and a few Ring Ouzel. For the botanists, the highlights were *Gentiana pontica* (Pontic Gentian), *Rhododendron caucasicum* (Caucasian Rhododendron), *Fritillaria collina*, *Gentiana pyrenaica* (Pyrenean Gentian) and *Primula ruprechtii* (Ruprecht's Primrose) among many many more. We then headed back down the mountain, passing farmers taking their cattle up to the high grazing pastures for the summer. A brief pause on the downward journey added *Corallorhiza trifida* (Coralroot Orchid), *Dactylorhiza urvilleana* and *Valeriana leucophylla*.

We returned to Dilijan to collect our luggage before starting the journey back to Yerevan. Along the way, we stopped at the Sevan peninsula to eat our lunch in the shadow of the two Sevanavank churches. Common whitethroat and Eastern Green Lizard were seen here. Further along the way we stopped for ice creams before completing the journey towards Yerevan, arriving at the Hradzan Hotel in good time to freshen up before going out to dinner at a local restaurant.

## Day 8

Saturday 6th June

### Near Hatsavan – Garni – Geghard

After breakfast, we set off south-eastwards towards Garni, turning left after about forty minutes in the direction of Artashat, and stopping in the vicinity of Hatsavan, an area of semi-desert in the direction of the Azet Reservoir. Leaving our vehicle to explore, we came upon a good number of *Centaurea moschata* (Sweet Sultan), *Papaver elegans*, *Scabiosa rotata*, *Lappula squarrosa* (Bur Forget-me-Not), *Senecio cacasica* (Caucasian Ragwort), *Caccinia macrantha* and *Consolida divaricata* (a Larkspur). Meanwhile, the birders found Finsch's Wheatear, and saw both Black-eared and Isabeline Wheatears as well. Added to these were Rufous Bush Robin, Upcher's Warbler, and the surprising find of the morning, a Pale Rock Sparrow. Butterflies included Powdered Brimstone, Cardinal Fritillary, Spotted Fritillary, Marbled White and Eastern Bath White. As we were making our way back to the main road a pair of Rock Sparrows were also seen.

It was now time to make our way into the small town of Garni, to visit the last remaining example of a Pagan Temple in Armenia. Whilst there, we recorded Crag Martin, Levant's Sparrowhawk, Syrian Woodpecker and Golden Oriole. In addition there were a large number of Cardinal Fritillaries and a Scarce Swallowtail. Lunch was taken in a local restaurant where, upon our arrival, we were treated to a demonstration of how the local flat-bread 'Lavash' is prepared and cooked in a floor oven. We then had the opportunity to taste it with herbs and cheese, and all agreed it was very good.

After a delicious lunch of salad and barbecued fish, we re-joined our vehicle for the fifteen minute drive to Geghard Monastery. Here we added Griffon Vulture and also saw Kestrel, Peregrine Falcon and Great Tit. New butterflies included Common Glider, Small Copper, and there was also an industrious Humming-bird Hawk-moth. Plants included *Rumex scutatus* (French Sorrel), *Salvia nemorosa* (Wind Salvia) and *Asperugo procumbens* (Madwort).

It was now time to make our way back to Yerevan where dinner tonight was taken in another restaurant not too far from our hotel.

## Day 9

Sunday 7th June

### Yerevan Botanic Gardens – travel home.

A leisurely morning began with breakfast from 7.30am. After eating, we met at 8.45am to make the short journey to Yerevan Botanic Gardens. In the short time we had there we saw Whitethroat, Hooded Crow and Levant's Sparrowhawk. There were also a couple of new butterflies including Eastern Meadow Brown and Southern White Admiral.



At 11am we returned to the hotel to complete our packing before joining the bus for the journey to the airport, where we said our goodbyes to Murray and Hasmik, and checked in for our Aeroflot flight to Moscow. On arrival in Moscow Sheremetyevo Airport, we waited for our onward Aeroflot flight to London Heathrow Terminal 4, which left at 8.25pm local time. On arrival at Heathrow at 9.25pm, we collected our luggage and said our goodbyes at the carousel, after an extremely enjoyable visit to Armenia.

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*Gentiana aquatica*



Penduline Tit nest



## Species Lists

Plants (\* indicates a plant is endemic)

Please Note: Nomenclature contained within this list follows the taxonomic amendments, based on DNA analysis, made by the Royal Botanic Gardens, Kew and the Missouri Botanic Garden, and following The Plant List, an internationally accepted list of vascular plant families, published and maintained by these two Institutions.

<b>Scientific name</b>	<b>Common name</b>	<b>Location</b>
<b>PTERIDOPHYTES</b>		
<b>FERNS &amp; ALLIES</b>		
<b>Lo</b>		
<b>Calamophytes</b>		
<b>Horsetails</b>		
<b>Equisetaceae</b>		
<i>Equisetum palustre</i>	Marsh Horsetail	Pinz Latz
<b>Leptosporangiate Ferns</b>		
<b>True Ferns</b>		
<b>Aspleniaceae</b>		
<i>Asplenium trichomanes</i> agg.	Maidenhair Spleenwort	Pambak Ridge
<b>Cystopteridaceae</b>		
<i>Cystopteris fragilis</i>	Brittle Bladder-fern	Pambak Ridge
<b>Dryopteridaceae</b>		
<i>Dryopteris filix-mas</i>	Male Fern	Haghartsin Forest
<b>Polypodiaceae</b>		
<i>Polypodium vulgare</i> agg.	Common Polypody	Pambak Ridge
<b>GYMNOSPERMS</b>		
<b>CONIFERS</b>		
<b>Cupressaceae</b>		
<i>Juniperus depressus</i>	a Juniper	Mount Agarats
<b>Ephedraceae</b>		
<i>Ephedra procera</i>	Joint Pine	Norovank Gorge
<b>Pinaceae</b>		
<i>Pinus sylvestris</i> var. <i>hamata</i> ( <i>P. kochiana</i> )	Koch's Pine	Pinz Latz
<b>ANGIOSPERMS</b>		
<b>FLOWERING PLANTS</b>		
<b>Eu-Dicots</b>		
<b>True Dicotyledons</b>		
<b>Adoxaceae</b>		
<i>Sambucus ebulus</i>	Danewort	Pinz Latz (leaves)
<i>Sambucus nigra</i>	Elderberry	Pinz Latz
<i>Viburnum lantana</i>	Wayfaring Tree	Mount Agarats
<b>Amaranthaceae</b>		
<i>Atriplex patula</i>	Common Orache	Armesh Fishponds
<i>Chenopodium glaucum</i>	Oak-leaved Goosefoot	Armesh Fishponds
<i>Chenopodium murale</i>	Maple-leaved Goosefoot	Armesh Fishponds

Scientific name	Common name	Location
<i>Suaeda vera</i>	Shrubby Sea-blite	Armesh Fishponds
<b>Apiaceae</b>	<b>Carrot Family</b>	
<i>Anthriscus sylvestris</i>	Cow Parsley	Pinz Latz
<i>Chaerophyllum temulum</i>	Chervil	Above Rind
<i>Foeniculum vulgare</i>	Fennel	Above Rind
<i>Heracleum mantegazzianum</i>	Giant Hogweed	Above Rind
<i>Sanicula europaea</i>	Sanicle	Pinz Latz
<b>Betulaceae</b>	<b>Birch Family</b>	
<i>Betula pendula</i> subsp. <i>pendula</i> ( <i>B. verrucosa</i> )	Birch	Pambak Ridge
<i>Carpinus caucasicus</i>	Caucasian Hornbeam	Pinz Latz
<i>Corylus avellana</i>	Hazel	Below Pambak Ridge
<b>Boraginaceae</b>	<b>Borage Family</b>	
<i>Alkanna orientalis</i>	Yellow Alkanet	Mount Agarats
<i>Anchusa azurea</i>	Large Blue Alkanet	Mount Agarats
<i>Asperugo procumbens</i>	Madwort	Geghard
<i>Buglossoides arvensis</i> ( <i>Lithospermum arvense</i> )	Corn Gromwell	Lichk
<i>Caccinia macranthera</i>		Near Hatsavan
<i>Cerintho minor</i>	Lesser Honeywort	Mounts Agarats
<i>Cynoglossum officinale</i>	Hound's-tongue	Lichk
<i>Echium vulgare</i>	Viper's-bugloss	Yerevan Botanic Garden
<i>Lappula squarrosa</i>	Bur Forget-me-not	Lichk
<i>Myosotis alpestris</i>	Alpine Forget-me-not	Pambak Ridge
<i>Nonea armeniaca</i>	-	Mount Agarats
<i>Onosma microcarpum</i>	a Golden Drops	Mount Agarats
<i>Onosma sericea</i>	a Golden Drops	Gnishik
<i>Solenanthis stamineus</i>	-	Mount Agarats
<i>Symphytum asperum</i>	Rough Comfrey	Caravanserai
<b>Brassicaceae</b>	<b>Cabbage Family</b>	
<i>Aethionema armenum</i> ( <i>A.arabicum</i> )	-	Gnishik
<i>Aethionema grandiflorum</i>	-	Gnishik
<i>Alliaria petiolata</i>	Garlic Mustard	Pinz Latz
<i>Arabis turrita</i>	Tower Cress	Pinz Latz
<i>Barbarea minor</i>	-	Agarats
<i>Bunium orientale</i>	Warty Cabbage	Pinz Latz
<i>Camelina laxa</i>	-	Near Hatsavan
<i>Capsella bursa-pastoris</i>	Shepherd's Purse	Above Rind
<i>Cardamine bulbifera</i>	Coralroot Bitter-cress	Pinz Latz
<i>Cardamine impatiens</i>	Cut-leaved Bitter-cress	Pinz Latz
<i>Cardamine uliginosa</i>	-	Selim Pass
<i>Clypeola jonthlaspi</i>	Clypeola	Agarats
<i>Descurania sophia</i>	Flixweed	Agarats
<i>Hesperis matronalis</i>	Dame's Violet	Above Rind
<i>Isatis steveniana</i>	a Woad	Near Dilijan
<i>Lepidium latifolium</i>	Dittander	Armesh Fishponds
<i>Lepidium sativum</i>	Garden Cress	Haghartsin
<i>Sisymbrium altissimum</i>	Tumbling Mustard	Near Hatsavan
<i>Sisymbrium loeselii</i>	False London Rocket	Armesh Fishponds

<b>Scientific name</b>	<b>Common name</b>	<b>Location</b>
<i>Thlaspi arvense</i>	Field Pennywort	Lichk
<i>Turritis glabra</i>	Tower Mustard	Pinz Latz
<b>Campanulaceae</b>	<b>Bellflower Family</b>	
<i>Campanula bayerniana</i>	-	Geghard
<i>Campanula tridentata</i>	-	Pambak Ridge
<b>Cannabaceae</b>	<b>Hop Family</b>	
<i>Celtis australis</i> subsp. <i>caucasica</i>	Caucasian Hackberry	Norovank Gorge
<b>Capparaceae</b>	<b>Caper Family</b>	
<i>Capparis spinosa</i>	Caper	Yerevan
<b>Caprifoliaceae</b>	<b>Honeysuckle Family</b>	
<i>Cephalaria gigantea</i>	-	Norovank Gorge (leaves)
<i>Lonicera caucasica</i>	-	Below Pambak Ridge
<i>Scabiosa rotata</i>	-	Near Hatsavan
<i>Viburnum lantana</i>	Wayfaring Tree	Agarats
<b>Caryophyllaceae</b>	<b>Pink Family</b>	
<i>Cerastium purpurescens</i>	-	Above Rind
<i>Eremogone (Arenaria) dianthoides</i>	-	Above Rind
<i>Scleranthus perennis</i>	Perennial Knawel	Mount Agarats
<i>Silene latifolia</i>	White Campion	Yerevan
<i>Silene spergulifolia</i>	-	Above Rind
<i>Stellaria media</i>	Chickweed	Geghard
<b>Celastraceae</b>	<b>Spindle Family</b>	
<i>Euonymus latifolia</i>	Broad-leaved Spindle	Haghartsin Forest
<b>Compositae (Asteraceae)</b>	<b>Daisy Family</b>	
<i>Achillea arabica (A. biebersteinii)</i>	-	Mount Agarats
<i>Artemisia absinthium</i>	Wormwood	Above Rind
<i>Centaurea cheiranthifolia (white)</i>	-	Above Rind
<i>Centaurea depressa (blue)</i>	-	Above Rind
<i>Centaurea moschata (pink)</i>	Sweet Sultan	Near Hatsavan
<i>Centaurea solstitialis</i>	Yellow Star Thistle	Garni (leaves)
<i>Doronicum macrophyllum</i>	a Leopard's-bane	Pambak Ridge
<i>Gundelia aragatsi*</i>	-	Mount Agarats
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	Roadsides
<i>Onopordum acanthium</i>	Cotton Thistle	Common
<i>Petasites albus</i>	White Butterbur	Below Pambak Ridge
<i>Scorzonera sp.</i>	-	Mount Aragats
<i>Senecio caucasica</i>	Caucasian Ragwort	Near Hatsavan
<i>Tanacetum aureum (T.chiliophyllum)</i>	-	Sevan Peninsula
<i>Taraxacum stevenii</i>	-	Above Rind
<i>Tragopogon coloratus</i>	-	Armsh Fishponds
<b>Convolvulaceae</b>	<b>Bindweed Family</b>	
<i>Convolvulus arvensis</i>	Field Bindweed	Near Hatsavan

Scientific name	Common name	Location
<b>Crassulaceae</b>	<b>Stonecrop Family</b>	
<i>Rosularia sempervivum</i> subsp. <i>sempervivum</i>	-	Geghard
<i>Sedum hispanicum</i>	-	Norovank Gorge
<b>Cucurbitaceae</b>	<b>White Bryony Family</b>	
<i>Bryonia dioica</i>	White Bryony	Near Hatsavan
<b>Elaeagnaceae</b>	<b>Sea-buckthorn Family</b>	
<i>Elaeagnus angustifolia</i>	Russian Olive	Roadsides
<i>Hippophae rhamnoides</i>	Sea-buckthorn	Lichk
<b>Ericaceae</b>	<b>Heather Family</b>	
<i>Pyrola minor</i>	Common Wintergreen	Below Pambak Ridge
<i>Rhododendron caucasicum</i>		Pambak Ridge
<i>Vaccinium myrtillus</i>	Blueberry	Pambak Ridge
<b>Euphorbiaceae</b>	<b>Spurge Family</b>	
<i>Euphorbia marschalliana</i>	-	Norovank Gorge
<i>Euphorbia oblongata</i>	-	Pambak Ridge
<b>Fagaceae</b>	<b>Beech Family</b>	
<i>Fagus orientalis</i>	Oriental Beech	Pinz Latz
<i>Quercus petraea</i> subsp. <i>iberica</i>	Georgian Oak	Mount Agarats
<i>Quercus macranthera</i>	Caucasian Oak	Pinz Latz
<b>Gentianaceae</b>	<b>Gentian Family</b>	
<i>Gentiana aquatica</i>	-	Pambak Ridge
<i>Gentiana pontica</i>	Pontic Gentian	Pambak Ridge
<i>Gentiana pyrenaica</i>	Pyrenean Gentian	Pambak Ridge
<b>Geraniaceae</b>	<b>Geranium Family</b>	
<i>Geranium</i> c.f. <i>molle</i>	Dove's-foot Crane's-bill	Geghard
<i>Geranium robertianum</i>	Herb Robert	Pinz Latz
<i>Geranium sanguineum</i>	Bloody Crane's-bill	Haghartsin Forest
<i>Geranium sylvaticum</i>	Wood Crane's-bill	Pinz Latz
<i>Geranium tuberosum</i>	Tuberous Crane's-bill	Above Rind
<b>Hypericaceae</b>	<b>St. John's-wort Family</b>	
<i>Hypericum hyssopifolium</i>	Hyssop-leaved St. John's-wort	Mount Agarats
<i>Hypericum scabrum</i>	-	Gnishik
<b>Juglandaceae</b>	<b>Walnut Family</b>	
<i>Juglans regia</i>	Walnut	Haghartsin Forest
<b>Lamiaceae</b>	<b>Deadnettle Family</b>	
<i>Ajuga genevensis</i>	Blue Bugle	Mount Agarats
<i>Ajuga orientalis</i>	Oriental Bugle	Pambak Ridge
<i>Lallemantia iberica</i>	-	Mount Agarats
<i>Lamium album</i>	White Deadnettle	Garni
<i>Phlomis armena</i>	-	Near Hatsavan
<i>Salvia staminea</i> ( <i>S. armeniaca</i> )	-	Below Caravanserai
<i>Salvia glutinosa</i>	Jupiter's Distaff	Haghartsin Forest (leaves)

<b>Scientific name</b>	<b>Common name</b>	<b>Location</b>
<i>Salvia nemorosa</i>	-	Common
<i>Scutellaria orientale</i>	Oriental Skullcap	Mount Agarats
<i>Sideritis montana</i>	-	Near Hatsavan
<i>Stachys lavandulifolia</i>	Lavender-leaved Woundwort	Above Rind
<i>Ziziphora tenuior</i>	-	Near Hatsavan
<b>Leguminosae (Fabaceae)</b>	<b>Pea Family</b>	
<i>Astragalus finitimus</i>	-	Above Rind
<i>Astragalus fragrans</i>	-	Mount Agarats
<i>Astragalus sevangensis</i>	-	Near Hatsavan
<i>Galega officinale</i>	Goat's-rue	Above Rind
<i>Hedysarum ibericum</i>		Gnishik
<i>Lathyrus miniatus</i>	-	Above Rind
<i>Medicago lupulina</i>	Black Medick	Mount Agarats
<i>Onobrychis arenaria</i>	-	Gnishik
<i>Onobrychis cornuta</i>	-	Gnishik
<i>Onobrychis radiata</i>	-	Gnishik
<i>Robinia pseudacacia</i>	False Acacia	Pinz Latz
<i>Securigera varia</i>	Crown Vetch	Norovank Gorge
<i>Sophora alopecurioides</i>	Sophora	Norovank Gorge
<i>Trifolium arvense</i>	Hare's-foot Clover	Mount Agarats
<i>Trifolium canescens</i>	-	Above Rind
<i>Trifolium medium</i>	Zig-zag Clover	Haghartsin
<i>Trifolium repens</i>	White Clover	Caravanserai
<i>Vicia balansae</i>	Balan's Vetch	Pinz Latz
<b>Oleaceae</b>	<b>Olive Family</b>	
<i>Fraxinus excelsior</i>	Ash	Pinz Latz
<i>Ligustrum vulgare</i>	Privet	Haghartsin Forest
<b>Orobanchaceae</b>	<b>Broomrape Family</b>	
<i>Diphelypaea (Phelypaea) tournefortii</i>	-	Above Rind
<i>Pedicularis condensata</i>	Condensed Lousewort	Sevan Pass
<i>Pedicularis sibthorpii</i>	Sibthorp's Lousewort	Mount Agarats
<i>Pedicularis wilhelmsiana</i>	Wilhelm's Lousewort	Selim Pass
<i>Rhinanthus minor</i> agg.	Rattle	
<i>Rhynchocorys orientalis</i>	-	Haghartsin
<b>Papaveraceae</b>	<b>Poppy Family</b>	
<i>Chelidonium majus</i>	Greater Celandine	Yerevan Botanic Garden
<i>Fumaria vaillantii</i>	Few-flowered Fumitory	Geghard
<i>Glaucium elegans</i>	-	Near Hatsavan
<i>Papaver fugax</i>	-	Below Caravanserai
<i>Papaver orientale</i>	-	Caravanserai (leaves)
<i>Papaver rhoeas (P. commutatum)</i>	Common Poppy	Common
<b>Plantaginaceae</b>	<b>Plantain Family</b>	
<i>Plantago bellardii</i>	-	Pambak Ridge
<i>Plantago major</i>	Greater Plantain	Armesh Fishponds
<i>Veronica anagallis-aquatica</i>	Blue Water Speedwell	Armesh Fishponds
<i>Veronica arvensis</i>	Wall Speedwell	Lichk

<b>Scientific name</b>	<b>Common name</b>	<b>Location</b>
<i>Veronica beccabunga</i>	Brooklime	Caravanseraï
<i>Veronica chamaedrys</i>	Germander Speedwell	Haghartsin Forest
<i>Veronica gentianoides</i>	Gentian-like Speedwell	Common
<i>Veronica multifida</i>	Many-lobed Speedwell	Common
<i>Veronica persica</i>	Common Field Speedwell	Haghartsin
<b>Plumbaginaceae</b>	<b>Thrift Family</b>	
<i>Acantholimon armenum</i>	-	Mount Agarats
<b>Polygalaceae</b>	<b>Milkwort Family</b>	
<i>Polygala anatolica</i>	-	Gnishik
<i>Polygala transcaucasica</i>	-	Above Rind
<b>Polygonaceae</b>	<b>Knotweed Family</b>	
<i>Persicaria bistorta</i>	Bistort	Selim Pass (leaves)
<i>Polygonum alpestre</i>	Alpine Knotgrass	Lichk
<i>Polygonum patulum</i>	-	Armash Fishponds
<i>Rumex conglomeratus</i>	Clustered Dock	Selim Pass
<i>Rumex obtusifolius</i>	Broad-leaved Dock	Pinz Latz
<i>Rumex scutatus</i>	French Sorrel	Geghard
<b>Primulaceae</b>	<b>Primrose Family</b>	
<i>Glaux maritima</i>	Sea Milkwort	Lichk
<i>Primula algida</i>	-	Pambak Ridge
<i>Primula auriculata</i>	a Bird's-eye Primrose	Selim Pass
<i>Primula veris</i> subsp. <i>macrocalyx</i>	-	Mount Agarats
<b>Ranunculaceae</b>	<b>Buttercup Family</b>	
<i>Adonis annua</i>	Pheasant's-eye	Norovank Gorge
<i>Anemone narcissiflora</i> subsp. <i>fasciculata</i>	-	Sevan Pass
<i>Caltha palustris</i> (C. <i>polypetala</i> )	a Marsh Marigold	Selim Pass
<i>Clematis orientalis</i>	-	Yerevan Botanic Garden
<i>Consolida divaricata</i>	-	Near Hatsavan
<i>Consolida orientalis</i>	Oriental Lark's-spur	Norovank Gorge
<i>Ranunculus arvensis</i>	Corn Buttercup	Norovank Gorge
<i>Ranunculus parviflorus</i>	Small-flowered Buttercup	Mount Agarats
<i>Ranunculus sceleratus</i>	Celery-leaved Buttercup	Lichk
<i>Trollius ranunculinus</i> (T. <i>patulus</i> )	a Globeflower	Pambak Ridge
<b>Resedaceae</b>	<b>Mignonette Family</b>	
<i>Reseda lutea</i>	Mignonette	Yerevan
<b>Rhamnaceae</b>	<b>Buckthorn Family</b>	
<i>Rhamnus pallasii</i>	-	Near Hatsavan
<b>Rosaceae</b>	<b>Rose Family</b>	
<i>Alchemilla glabra</i>	Smooth Lady's-mantle	Above Rind
<i>Crataegus orientalis</i>	Oriental Hawthorn	Mount Agarats
<i>Geum urbanum</i>	Wood Avens	Pinz Latz
<i>Mespilus germanica</i>	Medlar	Haghartsin Forest
<i>Potentilla anserina</i>	Silverweed	Lichk
<i>Potentilla crantzii</i>	Alpine Cinquefoil	Pambak Ridge



Scientific name	Common name	Location
<i>Potentilla hirta</i>	Hairy Cinquefoil	Norovank Gorge
<i>Potentilla recta</i>	Sulphur Cinquefoil	Above Rind
<i>Poterum sanguisorba</i> subsp. <i>balearicum</i>	Fodder Burnet	Mount Agarats
<i>Prunus avium</i>	Wild Cherry	Pinz Latz
<i>Prunus (Cerasus) incana</i>	-	Norovank Gorge
<i>Pyrus caucasica</i>	Caucasian Pear	Pinz Latz
<i>Rubus idaeus</i>	Raspberry	Pambak Ridge
<i>Sibbaldia procumbens</i>	Sibbaldia	Pambak Ridge
<i>Sorbus aucuparia</i>	Rowan or Mountain Ash	Pambak Ridge
<i>Spiraea hypericifolia</i>	-	Mount agarats
<b>Rubiaceae</b>	<b>Bedstraw Family</b>	
<i>Cruciata laevipes</i>	Crosswort	Mount Agarats
<i>Galium aparine</i>	Cleavers	Mount Agarats
<i>Rubia tinctoria</i>	Madder	Norovank Gorge
<b>Salicaceae</b>	<b>Willow Family</b>	
<i>Salix caprea</i>	Goat Willow	Below Pambak Ridge
<i>Salix pentandra</i>	Bay Willow	Lichk
<b>Sapindaceae</b>	<b>Maple Family</b>	
<i>Acer monspessulanum</i> subsp. <i>ibericum</i>	-	Norovank Gorge
<i>Acer heldreichii</i> subsp. <i>trautvetteri</i>	Trautvetter's Maple	Below Pambak Ridge
<i>Acer platanoides</i>	Norway Maple	Haghartsin Forest
<i>Acer pseudoplatanus</i>	Sycamore	Pinz Latz
<b>Scrophulariaceae</b>	<b>Figwort Family</b>	
<i>Scrophularia zvarianta</i>	-	Below Caravanserai
<i>Verbascum phoeniceum</i>	Purple Mullein	Below Caravanserai
<i>Verbascum speciosum</i>	-	Below Caravanserai
<b>Simaroubaceae</b>	<b>Tree of Heaven Family</b>	
<i>Ailanthus altissimus</i> ( <i>A. montana</i> )	Tree of Heaven	Mount Agarats
<b>Solanaceae</b>	<b>Nightshade Family</b>	
<i>Hyoscyamus nigra</i>	Henbane	Lichk
<b>Tamaricaceae</b>	<b>Tamarisk Family</b>	
<i>Tamarix octandra</i>	-	Norovank Gorge
<i>Tamarix ramosissima</i>	Branched Tamarisk	Norovank Gorge
<b>Thymelaeaceae</b>	<b>Mezereon Family</b>	
<i>Daphne glomerata</i>	'-	Pambak Ridge
<b>Ulmaceae</b>	<b>Elm family</b>	
<i>Zelkova carpinifolia</i> ( <i>Ulmus carpinifolia</i> )	Caucasian Elm	Pinz Latz
<b>Urticaceae</b>	<b>Nettle Family</b>	
<i>Parietaria elliptica</i>	-	Geghard
<i>Parietaria judaica</i>	Pellitory-of-the-Wall	Geghard
<i>Urtica dioica</i> subsp. <i>dioica</i>	Common Nettle	Mount Agarats
<i>Urtica dioica</i> subsp. <i>galeopsifolia</i>	Stingless' Nettle	Armsh Fishponds

<b>Scientific name</b>	<b>Common name</b>	<b>Location</b>
<b>Valerianaceae</b> <i>Valeriana leucophylla</i>	<b>Valerian Family</b> -	Below Pambak Ridge
<b>Violaceae</b> <i>Viola somchetica</i>	<b>Violet Family</b> -	Pambak Ridge
<b>Vitaceae</b> <i>Parthenocissus quinquefolia</i>	<b>Grape-vine Family</b> Virginia-creeper	Yerevan
<b>Zygophyllaceae</b> <i>Zygophyllum fabago</i>	<b>Zygophyllum Family</b> Syrian Bean-caper	Yerevan
<b>Monocots</b>		
<b>Amaryllidaceae</b> <i>Allium victorialis</i>	<b>Daffodil Family</b> Mountain Leek	Pambak Ridge (In bud)
<b>Asparagaceae</b> <i>Asparagus verticillatus</i> <i>Bellevalia paradoxa (P. pycnantha)</i> <i>Leopoldia caucasica (Muscari causicum)</i> <i>Muscari neglectum</i> <i>Ornithogalum balansae</i> <i>Ornithogalum hajastanum</i> <i>Polygonatum glaberrimum</i> <i>Scilla siberica</i> subsp. <i>armena</i>	<b>Asparagus Family</b> - - Leopoldia Grape Hyacinth - - - Armenian Squill	Armesh Fishponds Mount Agarats Mount Agarats Pambak Ridge Mount Agarats Norovank Gorge Pinz Latz Mount Agarats
<b>Colchicaceae</b> <i>Colchicum szovitsii (Colchicum bifolium)</i>	<b>Colchicum Family</b> -	Mount Agarats
<b>Cyperaceae</b> <i>Bolboschoenus maritimus</i> <i>Carex divulsa</i> <i>Carex pallescens</i> <i>Carex spicata</i> <i>Carex sylvatica</i>	<b>Sedge Family</b> Sea Clubrush Grey Sedge Pale Sedge Spiked Sedge Wood Sedge	Armesh Fishponds Pinz Latz Lichk Yerevan Botanic Gardens Haghartsin Forest
<b>Iridaceae</b> <i>Gladiolus atroviolaceus</i>	<b>Iris Family</b> -	Above Rind
<b>Ixioliriaceae</b> <i>Ixiolirion tataricum</i>	<b>Siberian Lily Family</b> Siberian Lily	Above Rind
<b>Liliaceae</b> <i>Fritillaria collina</i> <i>Gagea glacialis</i> <i>Tulipa julia</i>	<b>Lily Family</b> - Glacier Star of Bethlehem -	Pambak Ridge Mount Agarats Above Rind
<b>Orchidaceae</b> <i>Cephalanthera damasonium</i> <i>Corallorhiza trifida</i> <i>Dactylorhiza euxina</i>	<b>Orchid Family</b> White Helleborine Coralroot Orchid a Marsh Orchid	Pinz Latz Below Pambak Ridge Caravanserai

Scientific name	Common name	Location
<i>Dactyloriza flaccescens</i>	-	Sevan Pass
<i>Dactylorhiza sambucina</i>	Elder-flowered Orchid	Above Rind
<i>Dactylorhiza umbrosa (D. sanasunitensis)</i>	-	Selim Pass
<i>Dactylorhiza urvilleana</i>	-	Pinz Latz
<i>Neottia nidus-avis</i>	Bird's-nest Orchid	Haghartsin Forest
<i>Neottia ovata (Listera ovata)</i>	Common Twayblade	Haghartsin Forest
<i>Orchis mascula</i>	Early Purple Orchid	Mount Agarats
<i>Platanthera chlorantha</i>	Greater Butterfly Orchid	Haghartsin Forest

**Poaceae**

*Aegilops tauschii*  
*Alopecurus pratensis*  
*Anisantha sterilis*  
*Anisantha tectorum*  
*Cynodon dactylon*  
*Glyceria fluitans*  
*Hordeum marinum*  
*Hordeum murinum*  
*Melica ciliata*  
*Phragmites australis*  
*Poa bulbosa* var. *vivipara*  
*Poa nemoralis*  
*Stipa pulcherrima*  
*Triticum boeoticum*

**Grass Family**

- Near Hatsavan  
Meadow Foxtail Lichk  
Barren Brome Armesh Fishponds  
Drooping Brome Mount Agarats  
Bermuda Grass Armesh Fishponds  
Common Flote-grass Selim Pass  
Sea Barley Armesh Fishponds  
Wall Barley Garni  
- Near Hatsavan  
Common Reed Armesh Fishponds  
Viviporous Bulbous Meadow-grass Common  
Wood Meadow-grass Pinz Latz  
a Feather-grass Near Hatsavan  
-

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

	Common name	Scientific name	May/June							
			31	1	2	3	4	5	6	7
1	Caucasian Grouse	<i>Lyrurus mlokosiewiczi</i>						✓		
2	Caspian Snowcock	<i>Tetraogallus caspius</i>			H					
3	Chukar Partridge	<i>Alectoris rufa</i>			✓			✓	✓	
4	Common Quail	<i>Coturnix coturnix</i>			H		H			
5	Ruddy Shelduck	<i>Tadorna ferruginea</i>		✓		✓				
6	Gadwall	<i>Anas strepera</i>				✓				
7	Mallard	<i>Anas platyrhynchos</i>		✓		✓				
8	Garganey	<i>Anas querquedula</i>				✓				
9	Red-crested Pochard	<i>Netta rufina</i>		✓						
10	Common Pochard	<i>Aythya ferina</i>		✓		✓				
11	Ferruginous Duck	<i>Aythya nyroca</i>		✓		✓				
12	Tufted Duck	<i>Aythya fuligula</i>				✓				
13	White-headed Duck	<i>Oxyura leucocephala</i>		✓						
14	Little Grebe	<i>Tachybaptus ruficollis</i>		✓		✓				
15	Great Crested Grebe	<i>Podiceps cristatus</i>		✓		✓				
16	Black-necked Grebe	<i>Podiceps nigricollis</i>				✓				
17	White Stork	<i>Ciconia ciconia</i>	✓	✓	✓	✓				
18	Glossy Ibis	<i>Plegadis falcinellus</i>		✓		✓				
19	Eurasian Bittern	<i>Botaurus stellaris</i>				H				
20	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>		✓		✓				
21	Squacco Heron	<i>Ardeola ralloides</i>		✓		✓				
22	Western Cattle Egret	<i>Bubulcus ibis</i>		✓		✓				

	Common name	Scientific name	May/June							
			31	1	2	3	4	5	6	7
23	Grey Heron	<i>Ardea cinerea</i>		✓		✓				
24	Purple Heron	<i>Ardea purpurea</i>		✓		✓				
25	Little Egret	<i>Egretta garzetta</i>		✓		✓				
26	Pygmy Cormorant	<i>Microcarbo pygmeus</i>		✓						
27	Great Cormorant	<i>Phalacrocorax carbo</i>				✓				
28	European Honey Buzzard	<i>Pernus apivorus</i>				✓	✓			
29	Griffon Vulture	<i>Gyps fulvus</i>							✓	
30	Short-toed Snake Eagle	<i>Circaetus gallicus</i>				✓				
31	Western Marsh Harrier	<i>Circus aeruginosus</i>		✓		✓				
32	Montagu's Harrier	<i>Circus pygargus</i>		✓						
33	Levant Sparrowhawk	<i>Accipiter brevipes</i>						✓	✓	✓
34	Common Buzzard	<i>Buteo buteo</i>	✓	✓	✓	✓	✓	✓	✓	
35	Long-legged Buzzard	<i>Buteo rufinus</i>	✓		✓	✓	✓			
36	Lesser Spotted Eagle	<i>Aquila pomarina</i>					✓	✓		
37	Steppe Eagle	<i>Aquila nipalensis</i>					✓			
38	Golden Eagle	<i>Aquila chrysaetos</i>		✓						
39	Booted Eagle	<i>Hieraaetus pennatus</i>	✓			✓	✓	✓		
40	Common Kestrel	<i>Falco tinnunculus</i>	✓	✓		✓			✓	
41	Eurasian Hobby	<i>Falco subbuteo</i>				✓				✓
42	Peregrine Falcon	<i>Falco peregrinus</i>	✓	✓	✓	✓			✓	
43	Water Rail	<i>Rallus aquaticus</i>				LO				
44	Corncrake	<i>Crex crex</i>					H			
45	Common Moorhen	<i>Gallinula chloropus</i>		✓		✓				
46	Eurasian Coot	<i>Fulica atra</i>		✓		✓				
47	Black-winged Stilt	<i>Himantopus himantopus</i>		✓						
48	White-tailed Lapwing	<i>Vanellus leucurus</i>		✓						
49	Wood Sandpiper	<i>Tringa glareola</i>		✓						
50	Common Sandpiper	<i>Actitis hypoleucos</i>				✓				
51	Curlew Sandpiper	<i>Calidris ferruginea</i>		✓						
52	Collared Pratincole	<i>Glareola pratincola</i>		✓						
53	Slender-billed Gull	<i>Chroicocephalus genei</i>		✓						
54	Yellow-legged Gull	<i>Larus michahellis</i>						LO		
55	Armenian Gull	<i>Larus armenicus</i>		✓		✓	✓	✓	✓	
56	Little Tern	<i>Sternula albifrons</i>		✓						
57	White-winged Tern	<i>Chlidonias leucopterus</i>		✓		LO				
58	Common Pigeon	<i>Columba livia Feral</i>	✓	✓	✓	✓		✓	✓	
59	Common Wood Pigeon	<i>Columba palumbus</i>			✓	✓	✓		✓	
60	European Turtle Dove	<i>Streptopelia turtur</i>			✓					
61	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	✓							
62	Common Cuckoo	<i>Cuculus canorus</i>	H	✓	H	✓	H	H		
63	Eurasian Scops Owl	<i>Otus scops</i>		H						
64	Tawny Owl	<i>Strix aluco</i>				H				
65	Alpine Swift	<i>Tachymarptis melba</i>			✓				✓	
66	Common Swift	<i>Apus apus</i>	✓	✓	✓	✓	✓	✓	✓	✓
67	European Roller	<i>Coracias garrulus</i>		✓						
68	Blue-cheeked Bee-eater	<i>Merops persicus</i>		✓						
69	European Bee-eater	<i>Merops apiaster</i>		✓					✓	
70	Eurasian Hoopoe	<i>Upupa epops</i>	✓	✓	✓	✓			✓	
71	Syrian Woodpecker	<i>Dendrocopos syriacus</i>	✓	✓	✓	✓			✓	✓
72	Great-spotted Woodpecker	<i>Dendrocopos major</i>				✓	✓			

	Common name	Scientific name	May/June							
			31	1	2	3	4	5	6	7
73	Red-backed Shrike	<i>Lanius collurio</i>	✓		✓	✓	✓			
74	Lesser Grey Shrike	<i>Lanius minor</i>		LO						✓
75	Eurasian Golden Oriole	<i>Oriolus oriolus</i>			H	H				✓
76	Eurasian Jay	<i>Garrulus glandarius</i>	✓	✓	✓	✓	✓	✓	✓	✓
77	Eurasian Magpie	<i>Pica pica</i>	✓	✓	✓	✓	✓	✓	✓	✓
78	Red-billed Chough	<i>Pyrrhocorax pyrrhocorax</i>	✓	✓	✓	✓				✓
79	Western Jackdaw	<i>Corvus monedula</i>		✓		✓				
80	Rook	<i>Corvus frugilegus</i>		LO						
81	Hooded Crow	<i>Corvus cornix</i>	✓	✓	✓	✓	✓	✓	✓	✓
82	Northern Raven	<i>Corvus corax</i>	✓	✓	✓					
83	Coal Tit	<i>Parus ater</i>			✓		✓	✓		
84	Great Tit	<i>Parus major</i>	✓	✓		✓	✓		✓	✓
85	Eurasian Blue Tit	<i>Cyanistes caeruleus</i>				✓	✓			
86	Bearded Reedling	<i>Panurus biarmicus</i>		✓						
87	Bimaculated Lark	<i>Melanocorypha bimaculata</i>	✓							
88	Crested Lark	<i>Galerida cristata</i>	✓	✓						✓
89	Woodlark	<i>Lullula arborea</i>	✓		✓	✓				
90	Eurasian Skylark	<i>Alauda arvensis</i>	✓		✓	✓				
91	Horned Lark	<i>Eremophila alpestris</i>	✓							
92	Sand Martin	<i>Riparia riparia</i>		✓		✓				
93	Barn Swallow	<i>Hirundo rustica</i>	✓	✓	✓	✓	✓	✓	✓	✓
94	Eurasian Crag Martin	<i>Ptyonoprogne rupestris</i>	✓	✓	✓	✓		✓	✓	
95	Common House Martin	<i>Delichon urbicum</i>	✓	✓	✓	✓	✓	✓	✓	
96	Cetti's Warbler	<i>Cettia cetti</i>		H	H	✓				H
97	Long-tailed Tit	<i>Aegithalos caudatus</i>		✓						
98	Common Chiffchaff	<i>Phylloscopus collybita</i>					H			
99	Mountain Chiffchaff	<i>Phylloscopus sindianus</i>				✓		✓		
100	Green Warbler	<i>Phylloscopus nitidus</i>					✓			
101	Great Reed Warbler	<i>Acrocephalus arundinaceus</i>		✓		H				
102	Sedge Warbler	<i>Acrocephalus schoenobaenus</i>		✓						
103	Eurasian Reed Warbler	<i>Acrocephalus scirpaceus</i>		✓		H				
104	Upcher's Warbler	<i>Hippolais languida</i>								✓
105	Eurasian Blackcap	<i>Sylvia atricapilla</i>					✓			
106	Lesser Whitethroat	<i>Sylvia curruca</i>				✓				
107	Common Whitethroat	<i>Sylvia communis</i>	✓		✓	✓	✓	✓		✓
108	Menetries's Warbler	<i>Sylvia mystacea</i>		✓						
109	Eurasian Wren	<i>Troglodytes troglodytes</i>	H							
110	Eurasian Nuthatch	<i>Sitta europaea</i>					✓			
111	Western Rock Nuthatch	<i>Sitta neumayer</i>	✓							✓
112	Eastern Rock Nuthatch	<i>Sitta tephronota</i>		✓	H					✓
113	Rosy Starling	<i>Pastor roseus</i>	✓	✓	✓	✓		✓	✓	
114	Common Starling	<i>Sturnus vulgaris</i>			✓					
115	Ring Ouzel	<i>Turdus torquatus</i>	✓		✓			✓		
116	Common Blackbird	<i>Turdus merula</i>	✓	✓	✓	✓	✓	✓	✓	
117	Song Thrush	<i>Turdus philomelos</i>					✓	✓		
118	Mistle Thrush	<i>Turdus viscivorus</i>						✓		
119	European Robin	<i>Erithacus rubecula</i>					✓			
120	Bluethroat	<i>Luscinia svecica</i>				✓				
121	Common Nightingale	<i>Luscinia megarhynchos</i>		H	H	H				H
122	White-throated Robin	<i>Irania gutturalis</i>	✓		✓				✓	

	Common name	Scientific name	May/June								
			31	1	2	3	4	5	6	7	
123	Rufous Bush Robin	<i>Erythropygia galactotes syriaca</i>		✓						✓	
124	Black Redstart	<i>Phoenicurus ochruros semirufus</i>	✓								
125	Common Redstart	<i>Phoenicurus p. samamisticus</i>				✓	✓	✓			
126	Whinchat	<i>Saxicola rubetra</i>	✓		✓	✓	✓				
127	Siberian Stonechat	<i>Saxicola maurus</i>		✓	✓						
128	Isabelline Wheatear	<i>Oenanthe isabellina</i>								✓	
129	Northern Wheatear	<i>Oenanthe oenanthe</i>	✓	✓	✓	✓			✓		
130	Black-eared Wheatear	<i>Oenanthe hispanica</i>	✓	✓	✓	✓				✓	
131	Finsch's Wheatear	<i>Oenanthe finschii</i>								✓	
132	Common Rock Thrush	<i>Monticola saxatilis</i>	✓			✓					
133	Blue Rock Thrush	<i>Monticola solitarius</i>								✓	
134	Semi-collared Flycatcher	<i>Ficedula semitorquata</i>						✓			
135	Red-breasted Flycatcher	<i>Ficedula parva</i>						✓			
136	House Sparrow	<i>Passer domesticus</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
137	Eurasian Tree Sparrow	<i>Passer montanus</i>		✓						✓	
138	Rock Sparrow	<i>Petronia petronia</i>	✓			✓				✓	
139	Pale Rock Sparrow	<i>Patronia brachydactyla</i>								✓	
140	Alpine Accentor	<i>Prunella collaris</i>	✓								
141	Radde's Accentor	<i>Prunella ocularis</i>	✓								
142	Dunnock	<i>Prunella modularis</i>						✓			
143	Black-headed Yellow Wagtail	<i>Motacilla flava feldegg</i>		✓		✓					
144	Grey Wagtail	<i>Motacilla cinerea</i>	✓	✓					✓	✓	
145	White Wagtail	<i>Motacilla alba</i>	✓	✓	✓	✓	✓	✓	✓	✓	
146	Tawny Pipit	<i>Anthus campestris</i>	✓		✓						
147	Tree Pipit	<i>Anthus trivialis</i>	✓			H			✓		
148	Water Pipit	<i>Anthus spinoletta</i>	✓						✓		
149	Common Chaffinch	<i>Fringilla coelebs</i>	H					✓	✓	✓	
150	European Greenfinch	<i>Chloris chloris</i>		H				✓			
151	European Goldfinch	<i>Carduelis carduelis</i>	✓			✓			✓		
152	Common Linnet	<i>Linaria cannabina</i>	✓		✓			H			
153	Common Rosefinch	<i>Carpodacus erythrinus</i>		H	H	✓	✓	✓			
154	Eurasian Bullfinch	<i>Pyrrhula pyrrhula</i>						✓	✓		
155	Hawfinch	<i>Coccothraustes coccothraustes</i>						✓			
156	Corn Bunting	<i>Emberiza calandra</i>	✓		✓	✓	✓			✓	
157	Rock Bunting	<i>Emberiza cia</i>			✓	✓				✓	
158	Ortolan Bunting	<i>Emberiza hortulana</i>	✓		✓						
159	Black-headed Bunting	<i>Emberiza melanocephala</i>	✓	✓	✓	✓				✓	

## Mammals

1	Barbastrelle Bat	<i>Barbastrella barbastrellus</i>				✓					
2	Northern Bat	<i>Eptesicus nilssonii</i>						✓			
3	Steppe Polecat	<i>Mustela eversmannii</i>							✓		
4	Bezoar's Goat	<i>Capra aegagrus aegagrus</i>		✓	✓						
5	European Hare	<i>Lepus europaeus</i>			✓						

## Amphibians &amp; Reptiles:

1	Levant Water Frog	<i>Pelophylax bedriagae</i>		H		H					
2	Agile Frog	<i>Rana dalmatina</i>				✓					
3	European Pond Terrapin	<i>Emys orbicularis</i>		✓							
4	Eastern Green Lizard	<i>Lacerta viridis</i>	✓	✓	✓				✓	✓	



	Common name	Scientific name	May/June							
			31	1	2	3	4	5	6	7
5	Armenian Rock Lizard	<i>Darevskia armeniaca</i>	✓		✓		✓	✓	✓	
6	Grass Snake	<i>Natrix natrix</i>		✓						

## Butterflies

1	Swallowtail	<i>Papilio machaon syriacus</i>		✓					✓	
2	Scarce Swallowtail	<i>Iphiclides podalirius persica</i>			✓		✓		✓	
3	Clouded Apollo	<i>Parnassius mnemosyne nubilosus</i>	✓							
4	Black-veined White	<i>Aporia crataegi iranica</i>		✓	✓		✓		✓	✓
5	Large White	<i>Pieris brassicae</i>	✓	✓	✓	✓	✓			✓
6	Small White	<i>Artogeia rapae transcaucasica</i>		✓		✓	✓	✓	✓	✓
7	Green-veined White	<i>Artogeia napi</i>					✓	✓		
8	Bath White	<i>Pontia edusa edusa</i>		✓	✓	✓	✓	✓	✓	✓
9	Orange Tip	<i>Anthocharis cardamines</i>			✓	✓		✓		
10	Eastern Dappled White	<i>Euchloe ausonia taurica</i>	✓							
11	Clouded Yellow	<i>Colias crocea</i>	✓	✓	✓	✓	✓	✓	✓	✓
12	Moorland Clouded Yellow	<i>Colias palaeno</i>	✓			✓				
13	Brimstone	<i>Gonepteryx rhamni meridionalis</i>		✓						✓
14	Powdered Brimstone	<i>Gonepteryx farinosa turcirana</i>								✓
15	Wood White	<i>Leptidea sinapis</i>			✓	✓	✓			
16	Green Hairstreak	<i>Callophrys rubi</i>			✓	✓				
17	Small Copper	<i>Lycaena phlaeus</i>								✓
18	Scarce Copper	<i>Lycaena virgaureae</i>			✓					
19	Little Blue	<i>Cupido minimus</i>	✓	✓	✓	✓	✓	✓		
20	Green-underside Blue	<i>Glaucopsyche alexis aeruginosa</i>		✓	✓	✓				✓
21	Eastern Brown Argus	<i>Kretania eurypilus</i>	✓	✓						
22	Adonis Blue	<i>Polymmatas (Lysandra) bellargus</i>		✓						
23	Common Blue	<i>Polyommatus icarus</i>		✓	✓	✓	✓	✓	✓	✓
24	Eastern Mazarine Blue	<i>Polyommatus semiargus bellis</i>				LO				
25	Southern White Admiral	<i>Limenitis reducta mirzajani</i>								✓
26	Common Glider	<i>Neptis sappho</i>							✓	✓
27	Red Admiral	<i>Vanessa atalanta</i>		✓						
28	Painted Lady	<i>Vanessa cardui</i>	✓			✓	✓	✓	✓	
29	Small Tortoiseshell	<i>Aglais urticae turcica</i>	✓	✓	✓	✓		✓	✓	
30	Cardinal Fritillary	<i>Argynnis pandora</i>	✓	✓	✓				✓	✓
31	Dark Green Fritillary	<i>Argynnis aglaja ottomana</i>	✓							
32	Niobe Fritillary	<i>Argynnis niobe gigantea</i>		✓						
33	Queen of Spain Fritillary	<i>Issoria lathonia</i>	✓							✓
34	Pearl-bordered Fritillary	<i>Clossiana euphrosyne</i>					✓			
35	Spotted Fritillary	<i>Melitaea didyma transcaucasica</i>		✓		✓			✓	
36	a Marsh Fritillary	<i>Eurodryas provincialis</i>			✓	✓		✓		
37	Marbled White	<i>Maellanargia larissa astanda</i>								✓
38	Woodland Ringlet	<i>Erebia medusa psodea</i>			LO			✓		
39	Eastern' Meadow Brown	<i>Maniola jurtina strandiana</i>	✓							✓
40	Wall Brown	<i>Lasiommata megera megerina</i>			✓					
41	Grizzled Skipper	<i>Pyrgus malvae</i>			✓	✓		✓		
42	Large Grizzled Skipper	<i>Pyrgus alveus</i>	✓	✓						
43	Yellow-banded Skipper	<i>Pyrgus sidae</i>		✓						
44	Alpine Grizzled Skipper	<i>Pyrgus andromedae</i>		✓						

	Common name	Scientific name	May/June							
			31	1	2	3	4	5	6	7
45	Red-underwing Skipper	<i>Spialia sertorius</i>			✓					
46	Orbed Red-underwing Skipper	<i>Spialia orbifer</i>			✓					
47	Dingy Skipper	<i>Erynnis tages unicolor</i>					✓			
48	Southern Small Skipper	<i>Thymelicus sylvestris syriacus</i>								✓
49	Mediterranean Skipper	<i>Gegenes nostrodamus</i>		✓						

## Moths

	Micros:									
1	Crambid	<i>Chrysocrambus linetella</i>	✓							
	Macros:									
1	Transparent Burnet	<i>Zygaenea purpuralis</i>			✓					
2	Geometrid	<i>Lthyria cruentaria</i>	✓	✓				✓		
3	Small Argent & Sable	<i>Epirrhoe tristata</i>					✓			
4	Black-veined Moth	<i>Siona lineata</i>			✓	✓				
5	Narrow-bordered Bee Hawk-moth	<i>Hemaris tityus</i>			✓					
6	Hummingbird Hawk-moth	<i>Macroglossum stellatarum</i>				LO	✓		✓	✓
7	Nine-spotted	<i>Amata phegea</i>		✓						
8	Silver Barred	<i>Deltote bankiana</i>						✓		
9	Silver Y	<i>Autographa gamma</i>	✓		✓	✓	✓	✓	✓	✓

## Other Invertebrates

1	Common Blue-tail	<i>Ischnura elegans</i>		✓						
2	Lesser Emperor	<i>Anax parthenope</i>		✓						
3	Black-tailed Skimmer	<i>Orthetrum cancellatum</i>		✓						
4	Common Darter	<i>Sympetrum striolatum</i>		✓						
5	Field Cricket	<i>Gryllus campestris</i>	✓		H					
6	Shield Bug	<i>Graphosoma lineatum (G. italicum)</i>			✓	✓				
7	Froghopper (Red & Black)	<i>Cercopis vulnerata</i>			✓	✓	✓		✓	
8	Ant-lion	<i>Nemoptera nitida</i>							✓	
9	Bee-fly	<i>Bombylius sp</i>	✓						✓	
10	Clegg-fly	<i>Haematopota pluvialis</i>							✓	
11	Wood Ant	<i>Formica rufa</i>						✓		
12	Carpenter Bee	<i>Xylocopa sp.</i>		✓	✓	✓	✓		✓	
13	Honey Bee	<i>Apis mellifera</i>	✓		✓	✓	✓	✓	✓	
14	Dung Beetle sp.	<i>Scarabid sp.</i>				✓				
15	Chafer	<i>Tropinota squalida</i>	✓		✓					
16	Chafer	<i>Oxythyrea funesta</i>								✓
17	Rose Chafer	<i>Cetonia aurata</i>					✓			
18	Seven-spot Ladybird	<i>Coccinella 7-punctata</i>	✓	✓	✓	✓	✓		✓	✓
19	Two-spot Ladybird	<i>Adalia bipunctata</i>	✓		✓		✓			
20	Longhorn Beetle	<i>Agapanthia imtermedia</i>			✓					
21	Longhorn Beetle	<i>Dorcadion pedestre</i>	✓							
22	Longhorn Beetle	<i>Saperda punctata</i>		✓						

## Molluscs

1	Roman Snail	<i>Helix pomatia</i>				✓				
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