

# Armenia - Spring Birds and Flowers

Naturetrek Tour Report

31 May - 8 June 2014



Blue-cheeked Bee-eater by James Lees



*Astragalus finitimus* by Paul Harnes



*Centaurea moschata* by Paul Harnes



Rosy Starlings by James Lees

Report & Images by Paul Harnes and James Lees



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## Day 1

Saturday 31<sup>st</sup> May

Outbound from UK – Fine, warm and sunny

Ten group members met with Paul and James at Heathrow Terminal 4 for the Aeroflot flight SU2571 to Moscow Sheremetyevo Airport, where we transferred to Aeroflot flight SU1862 to Yerevan. During the stop-over in Moscow, we recorded Common Kestrel, Hooded Crow and White Wagtail. We arrived at Yerevan Zvartsnots Airport, where, after changing money and collecting our luggage, we met with Armine, the ground agent's representative, and Gagik, our driver for the week. 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. After rooms had been allocated, we gathered for a light supper, before retiring to bed.

## Day 2

Sunday 1<sup>st</sup> June

Cloudy, with long, fine sunny periods and a couple of light, thundery showers.

Prior to meeting for breakfast at 8am, there was time to take a stroll around the hotel, including the adjacent park, where we had fleeting glimpses of Levant Sparrowhawk, Upcher's Warbler and Common Whitethroat, and reasonable views of Syrian Woodpecker and a pair of *Sciurus anomalus* (Persian Squirrel).

At 8.30 we were on our way westwards towards Mount Aragats. Along the way we passed many pale spikes of *Sophora alopecuroides* (Sophora) and small flock of Rosy Starlings was seen. Our first stop today was in an area of semi-degraded steppe near Byurakan, about forty minutes drive from Yerevan. Here the botanists had an introduction to some of the characteristic steppe plants. These included *Onosma microcarpa* (a Golden Drops), *Thymus kotschyanus* (a Thyme) and *Clinopodium alpinum* (Alpine Basil Thyme), while birds included Steppe Buzzard, Booted Eagle, Woodlark, Black-headed Bunting, Long-legged Buzzard and Eurasian Skylark. A second brief stop was made to see *Gladiolus kotschianus* (Kotschy's Gladiolus), *Anacamptis coriophora* (Bug Orchid) and *Quercus petraea subsp. ibirica* (Georgian Oak). Moving on we started to ascend into the foothills, where a 20 minute stop in an area of mountain steppe produced fine views of Bimaculated Lark, Ortolan Bunting, European Turtle Dove, Griffon Vulture, Steppe Buzzard and a pair of Western Rock Nuthatch. For the botanists there were *Pedicularis sibthorpii* (Sibthorp's Lousewort), *Veronica multifida* (a Speedwell) and *Echium rubrum* (a Viper's Bugloss). Also a Spotted Fritillary and Small Heath butterflies were seen.

Our final stop of the morning was in the sub-alpine zone, where the birders tracked down White-throated Robin, Radde's Accentor, Common Rock Thrush, Bluethroat and Rock Sparrow, and the first of many Red-backed Shrikes. Also, there were plenty of raptors with Lesser Spotted Eagle, Long-legged Buzzard and Griffon Vulture among them. *Solenanthus stamineus* (a Solenanthus), *Rosa pulverulentum* (a Rose), *Primula veris subsp. macrocalyx* (a Cowslip) and *Daphne glomerata* (a Daphne) were all found, as well as Clouded Apollo, Small Tortoiseshell and Green-underside Blue butterflies.

We now made the 20 minute drive to Amberd, where we took our picnic in boulder-strewn grassland. Griffon Vulture, Eurasian Crag Martin, Red-billed Chough, Barn Swallow, Common Swift, and a pair of Cinereous Vultures were all seen, as well as a pair of *Semnosia caucasica* (a Longhorn Beetle). We now took the opportunity to visit the seventh century church and fortress. Whilst there, we recorded *Allium (Nectaroscordum) tripedale*. The remainder of our time on Mt. Aragats was devoted to exploring the alpine zone, where a fine selection of alpine flowers was found around the snow patches. As we climbed, we were lucky enough to see an aerial confrontation between a Steppe Buzzard and a juvenile Golden Eagle. The botanists found *Pulsatilla albana* (Caucasus Pasqueflower), *Gagea glacialis* (Glacier Yellow Star of Bethlehem), *Primula algida* (a Primrose), *Gentiana pontica* (Pontic Gentian) and *Colchicum szovitsii*, all in good numbers. Birds included Horned Lark, brief glimpses of Twite, Water Pipit, several Alpine Accentors, and a small flock of White-winged Snowfinch. It was now time to return to the hotel to freshen up, before visiting a nearby restaurant for dinner.

## Day 3

Monday 2<sup>nd</sup> June

Fine, hot and sunny with a general heat haze, with afternoon showers.

After breakfast, we left the hotel at 8.15am, heading for Armash, which is on the Turkish border, an hour or so southeast of Yerevan. We drove south on the M2, passing through Artashat and Avshar. A good number of Hoopoes were seen along the road, as well as White Storks. On arrival at the Armash Fishponds, *Natrix natrix* (Grass Snake) was spotted swimming in a dyke. After entering the site, we had just passed two large buildings, when James spotted a pair of rather vocal White-tailed Lapwings with young. Stopping to watch them proved very rewarding, as it was not long before many Glossy Ibis,

Squacco and Purple Heron, Blue-cheeked Bee-eater, Black-winged Stilt, Eurasian Tree Sparrow and a splendid male Western Marsh Harrier all came to us! Parking a little further on, we set off to walk the tracks beside large ponds. In the marginal reeds, Bearded Reedlings were very active, together with several Great Reed Warblers and a rather showy Rufous Bush Robin. Menetries's Warblers were tantalising in trackside Tamarisk bushes, but did not show well. As we reached an area of grassland, a pair of European Rollers were seen by an old building, and a handful of Black-headed Yellow Wagtails were active. European Bee-eater was added to the Blue-cheeked, and several Purple Herons flew over. On the open water, we saw Ferruginous Duck, Red-crested Pochard, Mallard, Gadwall, White-headed Duck, Eurasian Coot and Great Crested Grebe, and a good number of Pygmy Cormorant. 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), *Salsola dendroides* (Saltwort), *Cynodon dactylon* (Bermuda Grass), *Hordeum marinum* (Sea Barley) and *Beta vulgaris subsp. maritima* (Sea Beet) were all recorded, as well as *Cynanchum acutum* and *Zigophyllum fabago* (Syrian Bean Caper).

We took lunch on the south side of the site, under the shade of a solitary *Elaeagnus angustifolia* (Russian Olive), before spending a short time checking out a drying lake. This produced some waders, which included large number of Little Stint, Kentish Plover, two Broad-billed Sandpipers, Curlew Sandpiper, Dunlin and Common Greenshank. Also there were large numbers of Slender-billed Gull, Armenian Gull and White-winged, Whiskered and Black Terns. Orange Tip, Small White and Eastern Bath White butterflies were also seen, as well as Lesser Emperor and Blue Emperor Dragonflies.

Continuing our journey eastwards through Sevakanan, we made a short stop for ice cream at Areni. Whilst there, a distant Short-toed Eagle was seen, as well as a solitary Egyptian Vulture.

We spent the rest of the afternoon in the Noravank Gorge, where the botanists occupied themselves at streamside meadows, finding *Clematis orientalis* (a Clematis), *Teucrium orientale*, *Ornithogalum hajastanicum* (Armenian Star of Bethlehem), *Celtis australis subsp. caucasica* (Caucasian Nettle-tree), *Salvia sclarea* (Clary Sage) and *Herniaria incana* (Grey Rupturewort). The birders enjoyed views of Eurasian Crag Martin, Blue Rock Thrush and Rock Bunting. This location was particularly rich in invertebrates, and Mazarine Blue, Small Copper, Spotted Fritillary and Black-veined White butterflies were recorded.

From here, it was only about 10km to our home-stay accommodation in Yeghadnazor, where we arrived just after 6pm, to the song of a Common Nightingale.

## Day 4

Tuesday 3<sup>rd</sup> June

Weather: Heavy rain at first, clearing to bright and sunny mid-morning.

We had planned to have breakfast at 5.30am and to depart at 6am, but violent overnight storms made the planned excursion too dangerous, so our leaders cancelled it. The whole group, therefore, took breakfast at 8am, before setting out for the day. Golden Oriole, Common Rosefinch and Common Nightingale were heard in the garden of our home-stay.

At 9.30am, we left for the Jermuck Gorge, some 30 minutes drive away. The birders set off along the very quiet road that runs through the gorge, soon finding many Golden Oriole, Blue Rock Thrush and Rock Bunting. Meanwhile the botanists had a brief view of a pair of Golden Eagles, Black Kite, Egyptian Vulture and Raven. *Dianthus orientalis* (Oriental Pink), *Astragalus finitimus*, *Allium flavascens* (a Yellow Onion), *Dianthus crinitus* (a Pink), *Pyrus salicifolia* (Willow-leaved Pear) and *Fraxinus pennsylvanica* (an Ash), were all seen. A small pond produced a number of *Pelophylax bedriagae* (Levant Water Frog) and several large *Mauremys caspica* (Caspian Terrapin), and we also had several close views of *Darevskia armeniaca* (Anatolian Rock Lizard). Butterflies were also quite active with Green-underside Blue, Silver-washed Fritillary and Queen of Spain Fritillary.

We ate our packed lunches under the shade of some *Robinia pseudacacia* (False Acacia) trees, in a meadow by the river, while admiring the spectacular basalt columns that lined the gorge. Butterflies were flying in good numbers here, with Scarce Swallowtail, Adonis Blue, Brimstone and Balkan Marbled White among them. Just as we were leaving, the road verge produced *Cleome ornithopodioides* (Bird Spiderflower) and *Campanula propinqua* (a Bellflower).

Our final destination today was the high, rolling meadows and rocky gorges at Gnishlik, south of Yeghadnadzor. Along the way, just east of Agarakadzor, we stopped to watch a huge flock of Rosy Starlings occupying the roadside trees, and affording excellent views. On the verge, *Trigonella monantha*, *Sophora alopecurioides* (Sophora) and *Peganum harmala* (Syrian Rue) were also found.

At Gnishlik, Chukar Partridge was seen from the bus, before we left the vehicle. Skylarks and Common Quail were singing. Also seen were Blue Rock Thrush with young, as well as Common Rock Thrush. The botanists explored the open meadows, finding the endemic *Onobrychis cornuta* (a Sainfoin), *Astragalus fragrans*, *Onobrychis radiata*, *Achillea arabica* (Bieberstein's Millfoil), *Rhamnus pallasii* (a Buckthorn) and the rather attractive *Hypericum scabrum* (a St. John's-wort). Moving lower, a couple of Western Rock Nuthatches showed briefly, before it was time to return to Yeghadnadzor for dinner.

## Day 5

Wednesday 4<sup>th</sup> June

Weather: Cloudy with sunny periods, and chilly at altitude.

After breakfast, we were on our way northward towards the Selim Pass. A brief stop at a roadside crag near Yeghadnadzor produced a pair of Woodchat Shrikes and Lesser Grey Shrike for the birders and *Erodium cicutarium* (Common Stork's-bill), *Stachys inflata* (a Woundwort), *Glaucium elegans* (a Poppy), *Aethionema arabica* and *Tragopogon coloratus* for the botanists.

Our next 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 the botanists explored the stony slopes on the east side of the road, and the birders found a Eurasian Hobby's nest, with the adults circling round periodically. They also recorded Common Rosefinch and a Grasshopper Warbler. Meanwhile, among the boulders, there was *Papaver persica* (Persian Poppy), *Rindera lanata*, *Onosma serica* (a Golden Drops), *Stachys lavandulifolia* (Lavender-leaved Woundwort) and the curious parasite *Diphelypaea tournefortii*. Butterflies included Green-underside Blue, Marsh Fritillary and Glanville Fritillary.

At the Silk Road Caravan Station near the top of the Selim Pass we found Rock Sparrow, Common Rosefinch, Common Rock Thrush, Whinchat and the Eastern race of Black Redstart. Plants included *Geum rivale* (Water Avens), *Hyoscyamus niger* (Henbane), the emerging purple flowers of *Gladiolus* *c.f. bajastanicus*, *Papaver orientale* (Oriental Poppy, without black marks on the petals), and a single spike of *Dactylorhiza umbrosa* (a Marsh Orchid).

Moving on, we soon reached the wide Selim Plateau where a lunch stop at an extensive area of wet meadows and streams produced *Pedicularis condensata* (Condensed Lousewort) and *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 euxina* (a Marsh Orchid). For the birders, there was Common Rosefinch, Common Sandpiper, Bluethroat, Black-headed Yellow Wagtail, White-throated Dipper and Twite.

We now descended to the shores of Lake Sevan, between Martuni and Gavar, where we spent some time in marginal, reclaimed grassland, scrub and woodland. This was a good place to study the *Boraginaceae*, the Borage Family. *Lappula squarrosa* (Bur Forget-me-not), *Nonea armeniaca* (Armenian Nonea), *Cynoglossum officinale* (Common Hound's-tongue), *Nonea polychroma* and *Lithospermum arvense* (Field Gromwell) were all found. Here, birds included Tufted Duck, a single Western Cattle Egret, Mountain Chiffchaff and a solitary female Northern Goshawk. Small Fiery Copper and Common Blue butterflies were also noted.

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 scoped views were had by all. We also recorded Great Crested Grebe and Great Cormorant.

The final leg of our journey to Dilijan took about an hour, before we arrived at the rather grand Dilijan Resort Hotel, in time to check in before dinner.

## Day 6

Thursday 5<sup>th</sup> June

Weather: Fine, warm and sunny, clouding up later.

The early rising birders spent an hour exploring the woodland opposite the hotel. Green Warbler proved to be the highlight, but a number of commoner species were also added, including European Greenfinch and European Robin.

After breakfast we set off at 9am. Before too long, we reached the wooded valley of Haghartsin and spent an hour or so exploring the woodland. Bird highlights included Semi-collared Flycatcher, Great Spotted and Middle Spotted Woodpecker, Red-breasted Flycatcher 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), *Cephalanthera rubra* (Red Helleborine) and *Cephalanthera damasonium* (White Helleborine). Wood White Butterfly was also recorded. From here we made the short hop to the Haghartsin Church, which some group members chose to visit. Meanwhile, a fleeting glimpse of Black Woodpecker was had, and several individuals of a local race of Common Redstart were seen.

Plants included the curious *Rhynchosorys orientalis*, *Delphinium freni*, and *Geranium sanguineum* (Bloody Crane's-bill).

A 30 minute drive brought us to an area of broadleaf woodland at Parz Lich, where we found a sunny meadow for our picnic. The adjacent woodland produced *Carpinus orientalis* (Oriental Hornbeam), *Quercus macranthera* (Caucasian Oak), *Crataegus x kyrtostyla* (a Hawthorn), complete with a small patch of *Viscum album* (Mistletoe) and *Zelkova (Ulmus) carpiniifolia* (Caucasian Elm). Further on up the track, the woodland produced several very showy Hawfinches and another Red-breasted Flycatcher for the birders, and for the botanists, *Dactylorhiza urvilleana*, *Fagus orientalis* (Oriental Beech), *Bunias orientalis* (Warty Cabbage), *Cardamine impatiens* (Cut-leaved Bitter-cress), *Campanula latifolia* (Giant Bellflower) and *Pyrus caucasicus* (Caucasian Pear).

We now moved on to the sub-alpine zone of the Sevan Pass where the botanists set off, initially into the flower-rich meadows, while the birders concentrated along the road, with rolling hills on one side and a wooded valley on the other. The wonderful meadows produced *Anemone narcissiflora subsp. fasciculata*, the fruiting heads of *Trollius europaeus* (Globeflower), *Dactylorhiza euxina* and *Betonica macrantha* (a Betony). Here, we also found Dark-barred Twin-spot Carpet, Speckled Yellow and Small Argent and Sable moths, and the caterpillars of Garden Tiger and Lackey. Along the road, the birders saw Siberian Chiffchaff, Green Warbler and Common Crossbill, while the botanists found *Veronica gentianoides* (Gentian-like Speedwell), *Erigeron caucasicus subsp. venustus* (a Fleabane) and several magnificent specimens of the yellow *Lilium armenum* (Armenian Lily).

It was now time to return to the hotel for dinner.

## Day 7

Friday 6<sup>th</sup> June

Weather: fine and warm

Two group members joined Hasmik and James on an early morning excursion to try to see Caucasian Grouse. They left the hotel at 5am in a 4x4 vehicle, to make the journey to an isolated mountain top west of Dilijan. The track up this remote mountain was very uneven and stony. After 1½ hr, they arrived at the summit, 2800m above the village below. Here they were immediately greeted by three male Caucasian Grouse strutting around on the short grass. Great views were enjoyed of this very sought-after species. Later another male and female also flew past. It was an incredible experience to sit and eat breakfast high above the clouds, whilst listening to many singing Water Pipits. Also there were good numbers of Twite and Common Rosefinch and a few Ring Ouzel, along with several singing Corncrake in the valley below. We then headed back down to meet the rest of the group in the forest below, for a well deserved lunch.

The rest of the group, with Tamarza and Paul, joined the bus at 9am, and also travelled west to the village of Margahovit. Along the way, Tamarza pointed out a good stand of *Dictamnus caucasicus* (Caucasian Burning Bush), high on a rocky outcrop. Passing through the village, we drove about a mile up the mountain road to Meghradzor, and parked by some magnificent, flower-filled meadows, lined with small trees and bushes. Leaving the bus, we began to walk on up the track towards the woodland on the lower slopes of the mountain. The meadows were full of *Dactylorhiza euxina* (a Marsh Orchid), the occasional

*Anacamptis coriophora* (Bug Orchid), *Veronica gentianoides* (Gentian-like Speedwell), *Leucanthemum c.f. vulgare* (Ox-eye daisy), *Scirpus sylvaticus* (Wood Clubrush) and many other species. For the birders there were a good number of Common Rosefinch, Siberian Chiffchaff, Green Warbler and Tree Pipit, among others.

Continuing on up the track, we passed *Betula verrucosa* (a Birch), *Salix caprea* (Goat Willow) and *Salix pentandra* (Bay Willow). Just short of the forest, a small stand of *Iris spuria subsp. dimetrii* was found. As we entered the forest, crossing a small bridge over a stream, a large stand of *Petasites albus* (White Butterbur) was seen, together with *Lonicera caucasica* (Caucasian Honeysuckle), *Actaea spicata* (Baneberry), *Valeriana ovalifolia* (Round-leaved Valerian) and *Saxifraga cymbalaria* (Cup Saxifrage). A little further on, a stand of *Pinus sylvestris var. hamata* (Koch's Pine) produced emerging spikes of *Gymnadenia conopsea* (Fragrant Orchid), a small group of *Corallorhiza trifida* (Coralroot Orchid) and *Pyrola minor* (Common Wintergreen). We now began to descend back through the meadows to the bus, where we rendezvoused with the intrepid 'Grouse hunters'. Along the way Little Blue and Purple-edged Copper butterflies were added to the growing butterfly list.

We now had our picnic lunch, before setting off toward Dilijan, where we stopped for ice creams, before continuing our return journey towards Yerevan. On the south side of the Sevan tunnel, we made a short stop by the river. This proved very productive for butterflies, with Green-underside Blue, Adonis Blue, Small Heath, Marsh Fritillary, Little Blue and Dingy Skipper, all recorded. The birders added Grey Wagtail, and the botanists found *Astragalus cicer* (Wild Lentil), *Orobus cyanus* (a Pea) and *Betonica macrantha* (Large-flowered Betony). A large puddle produced *Pelophylax bedriagae* (Levant's Water frog) and *Lacerta media* (Eastern Green Lizard) was also reported.

We now continued eastwards towards Yerevan, arriving at the Hradzan Hotel in Yerevan at 5.30pm, giving everyone time to freshen up before going out to dinner at a local restaurant.

## Day 8

Saturday 7<sup>th</sup> June

Weather: Fine, warm and sunny, clouding up later.

After breakfast, we set off south-eastwards towards Garni, with a stop after 40 minutes in the mountain steppe at the Charent's Arch. Unfortunately, Mount Ararat was barely discernible in the morning haze. European Bee-eaters were heard, Common Cuckoo was seen being chased, Cetti's Warbler was heard in a small patch of reeds, and Great Reed Warbler was both seen and heard, with its persistent song. The botanists, meanwhile, explored the flower-rich steppe slopes, finding *Cnicus benedictus* (Blessed Thistle), *Silene spergularifolia*, *Gundelia tournefortii*, *Juniperus sabina* (Savin Juniper) and *Alkanna orientalis*. Adonis Blue, Small Skipper, Spotted Fritillary and Small Heath butterflies were also seen. Our next stop was at the quiet roadside a little further east, where European Bee-eaters were nesting in a sandy bank. Plants here included *Glaucium corniculatum* (a Horned Poppy), *Silene conica* (Sand Catchfly), *Malva pusilla* (Dwarf Mallow) and *Marrubium vulgare* (White Horehound). There were also several specimens of *Synaphe moldovica*, a Micro Moth.

By late morning, we had left the main road, and turned south in the direction of Azet Reservoir, stopping in an area of arid desert. As soon as we left the vehicle, we came upon a good number of *Centaurea*



(*Amberboa moschata* (Sweet Sultan), *Nigella segetalis* (a Love-in-a-Mist), *Lappula squarrosa* (Bur Forget-me-Not), *Hyoscyamus pusillus* (Least Henbane), *Caccinia macrantha* and *Adonis aestivalis* (a Pheasant's-eye). Meanwhile, the birders finally connected with a pair of Finsch's Wheatears and had both Black-eared and Isabeline Wheatears alongside for a great comparison. The other wildlife at this location included *Bufo viridis* (Green Toad) found in the only damp patch, under an abandoned tarpaulin, a resting Spurge Hawkmoth, *Oedemera nobilis* (Green 'Fat-thighed' Beetle). Butterflies included Powdered Brimstone, Cardinal Fritillary, Eastern Dappled White and an indeterminate Grayling. As we were leaving this area, a huge flock of several thousand Rosy Starlings, a spectacular sight, descended into the surrounding countryside, and we also stopped to photograph a large stand of *Consolida orientalis* (Forking Larkspur), which was making an extensive purple blanket over a wide area.

It was now time to make our way into the small town of Garni, for lunch in a local restaurant. When we arrived, we were treated to a demonstration of how the local flat-bread, 'Lavash', was 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, barbecued fish or beans and sour cream, we drove to the Garni Temple car park, where we made our way into the Garni Gorge by following a steep track down towards the river. Some of the group went with Hasmik for the walk, whilst others explored the top of the path with Paul, and James and others scanned for large raptors. Eastern Rock Nuthatch, large numbers of Rosy starlings, Great Spotted Woodpecker, Eurasian Hoopoe and Alpine Swift were all seen, as well as *Consolida divaricata* (a Larkspur) and *Celtis ignuanaea* (Hackberry or a Nettle Tree).

After we had all re-convened, several group members took the opportunity to visit the Temple site, before it was time to make our way back to Yerevan. Along the way we saw, at close quarters, a Short-toed Snake Eagle.

Dinner tonight was in Ararat Restaurant where a band played traditional Armenian music.

## Day 9

Sunday 8<sup>th</sup> June

Weather: Fine, warm and sunny.

A leisurely morning began with breakfast from 8am. Some walked around the hotel and found White Stork, Eastern Olivaceous Warbler and a pair of Eurasian Hoopoes feeding young. The rest of the group visited Yerevan, before gathering to leave for the airport at 11.30. At Zvartnots Airport, we checked in for our Aeroflot flight SU1861 to Moscow, before saying our farewells to Hasmik, and then settled down to wait for our flight to be called. On arrival in Moscow Sheremetyevo Airport, we waited for our onward Aeroflot flight SU2584 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.

## Species Lists

### Plants

<b>Scientific name</b>	<b>Common name</b>	<b>Location</b>
<b>PTERIDOPHYTES</b>		
<b>Calamophytes</b>		
<b>Equisetaceae</b>		
<i>Equisetum arvense</i>	Field Horsetail	S of Gavar
<i>Equisetum palustre</i>	Marsh Horsetail	Meghradzor
<b>Leptosporangiate Ferns</b>		
<b>Aspleniaceae</b>		
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	Meghradzor
<b>Athyriaceae</b>		
<i>Athyrium filix-femina</i>	Lady-fern	Meghradzor
<b>Cystopteridaceae</b>		
<i>Cystopteris fragilis</i>	Brittle Bladder-fern	Meghradzor
<b>Dryopteridaceae</b>		
<i>Dryopteris filix-mas</i>	Male Fern	Haghartsin Forest
<b>Polypodiaceae</b>		
<i>Polypodium vulgare</i> agg.	Common Polypody	Meghradzor
<b>GYMNOSPERMS</b>		
<b>Cupressaceae</b>		
<i>Juniperus depressus</i>	a Juniper	Junc. to Amberd, Mt. Aragats
<i>Juniperus macrocarpa</i> ( <i>J. oblongata</i> )	a Juniper	Gnishik
<i>Juniperus sabina</i>	Savin	Charent's Arch
<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	Meghradzor
<b>ANGIOSPERMS</b>		
<b>Eu-Dicots</b>		
<b>Adoxaceae</b>		
<i>Sambucus ebulus</i>	Danewort	Haghartsin Forest
<i>Sambucus nigra</i>	Elderberry	Haghartsin Forest
<i>Viburnum lantana</i>	Wayfaring Tree	Amberd
<b>Amaranthaceae</b>		
<i>Atriplex patula</i>	Common Orache	W of Yeghegnadzor

<b>Scientific name</b>	<b>Common name</b>	<b>Location</b>
<i>Beta corolliflora</i>	-	Amberd
<i>Beta vulgaris</i> subsp. <i>maritima</i>	Sea Beet	Armesh Fishponds
<i>Chenopodium album</i>	Fat Hen	W of Yeghegnadzor
<i>Chenopodium glaucum</i>	Oak-leaved Goosefoot	Armesh Fishponds
<i>Chenopodium rubrum</i>	Red Goosefoot	Armesh Fishponds
<i>Salsola dendroides</i>	-	Armesh Fishponds
<i>Suaeda maritima</i>	Sea-blite	Armesh Fishponds
<i>Suaeda vera</i>	Shrubby Sea-blite	Armesh Fishponds
<b>Anacardiaceae</b>	<b>Sumach Family</b>	
<i>Pistacia atlantica</i> ( <i>P. mutica</i> )	Mount Atlas Mastic Tree	Norovank Gorge
<b>Apiaceae</b>	<b>Carrot Family</b>	
<i>Chamaescidium acaule</i>	-	Above Byurakan, Mt. Aragats
<i>Heracleum mantegazzianum</i>	Giant Hogweed	Gull Island, Lake Sevan
<i>Sanicula europaea</i>	Sanicle	Haghartsin Forest
<b>Apocynaceae</b>	<b>Periwinkle Family</b>	
<i>Cynanchum acutum</i>	Dog-strangling Vine	Armesh Fishponds
<i>Vincetoxicum amplifolium</i>	a Swallow-wort	Armesh Fishponds
<b>Asteraceae</b>	<b>Daisy Family</b>	
<i>Centaurea (Cyanus) cheiranthifolia</i>	-	Amberd
<i>Centaurea (Cyanus) depressa</i>	-	Amberd
<i>Centaurea (Amberboa) moschata</i>	-	Near Azet Reservoir
<i>Cnicus benedictus</i>	Blessed Thistle	Jermuck Gorge
<i>Cousinia fedorovii</i>	-	Garni Gorge
<i>Doronicum macrophyllum</i>	a Leopard's-bane	Sevan Pass
<i>Erigeron caucasicus</i> subsp. <i>venustus</i>	-	Gull Island, Lake Sevan
<i>Erigeron uniflora</i>	One-flowered Fleabane	Caravanserai
<i>Gundelia tournefortii</i>	-	Charent's Arch
<i>Jurinea moschus</i>	-	Mt. Aragats
<i>Leucanthemum vulgare</i>	Oxeye Daisy	Meghradzor
<i>Onopordum acanthium</i>	Cotton Thistle	Between Dilijan & Margahovit
<i>Petasites albus</i>	White Butterbur	Meghradzor
<i>Tanacetum aureum</i> ( <i>T. chiliophyllum</i> )	-	S of Caravanserai
<i>Taraxacum stevenii</i>	-	Sevan Pass
<i>Telekia speciosa</i>	Yellow Oxeye	Between Dilijan & Margahovit
<i>Tragopogon coloratus</i>	-	Jermuck Gorge
<b>Betulaceae</b>	<b>Birch Family</b>	
<i>Betula pendula</i> subsp. <i>pendula</i> ( <i>B. verrucosa</i> )	Birch	Meghradzor
<i>Carpinus orientalis</i>	Oriental Hornbeam	Haghartsin Forest
<i>Corylus avellana</i>	Hazel	Haghartsin Forest
<b>Boraginaceae</b>	<b>Borage Family</b>	
<i>Alkanna orientalis</i>	Yellow Alkanet	Charent's Arch
<i>Anchusa arvensis</i>	Bugloss	Norovank Gorge
<i>Anchusa azurea</i>	Large Blue Alkanet	Above Byurakan, Mt. Aragats
<i>Arnebia (Aipyanthus) pulchra</i>	Prophet Flower	S side of Sevan Tunnel
<i>Asperugo procumbens</i>	Madwort	Jermuck Gorge
<i>Caccinia macranthera</i>	-	Near Azet Reservoir

<b>Scientific name</b>	<b>Common name</b>	<b>Location</b>
<i>Cerintho minor</i>	Lesser Honeywort	Above Byurakan, Mt. Aragats
<i>Cynoglossum officinale</i>	Common Hound's-tongue	S of Gavar
<i>Echium italicum</i>	White Bugloss	Norovank Gorge
<i>Echium rubrum</i>	Red Bugloss	Above Byurakan, Mt. Aragats
<i>Echium vulgare</i>	Viper's-bugloss	Dilijan Resort Hotel
<i>Lappula squarrosa</i>	Bur Forget-me-not	W of Yeghegnadzor
<i>Lithospermum arvense</i>	Corn Gromwell	Junc. to Amberd, Mt. Aragats
<i>Myosotis alpestris</i>	Alpine Forget-me-not	Mt. Aragats
<i>Myosotis armena</i>	Armenian Forget-me-not	Amberd
<i>Nonea armeniaca</i>	Armenian Nonea	S of Gavar
<i>Nonea polychroma</i>	-	S of Gavar
<i>Onosma gracilis</i>	a Golden Drops	Gnishik
<i>Onosma microcarpa</i>	a Golden Drops	Above Byurakan, Mt. Aragats
<i>Onosma sericea</i>	a Golden Drops	W of Yeghegnadzor
<i>Paracaryum laxiflorum</i>	-	E of Yeghegnadzor
<i>Rindera lanata</i>	-	S of Caravanserai
<i>Solenanthis stamineus</i>	-	Junc. to Amberd, Mt. Aragats
<i>Symphytum asperum</i>	Rough Comfrey	Amberd
<b>Brassicaceae</b>		
<i>Aethionema arabicum (A. armenum)</i>	-	W of Yeghegnadzor
<i>Aethionema grandiflora</i>	-	Gnishik
<i>Alliaria petiolata</i>	Garlic Mustard	Haghartsin Forest
<i>Bunium orientale</i>	Warty Cabbage	Amberd
<i>Cardamine bulbifera</i>	Coralroot Bitter-cress	Haghartsin Forest
<i>Cardamine impatiens</i>	Cut-leaved Bitter-cress	Haghartsin Forest
<i>Cardamine uliginosa</i>	-	Selim Pass
<i>Clypeola jonthlaspi</i>	Clypeola	Jermuck Gorge
<i>Descurania sophia</i>	Flixweed	Armesh Fishponds
<i>Draba bryoides</i>	-	Mt. Aragats
<i>Hesperis matronalis</i>	Dame's Violet	Amberd
<i>Isatis steveniana</i>	a Woad	SW of Sevan Tunnel
<i>Isatis tinctoria</i>	Woad	Amberd
<i>Lepidium draba</i>	Hoary Cress	Junc. to Amberd, Mt. Aragats
<i>Lepidium latifolium</i>	Dittander	Armesh Fishponds
<i>Lepidium sativum</i>	Garden Cress	W of Yeghegnadzor
<i>Sisymbrium loeselii</i>	False London Rocket	Near Haghartsin church
<i>Thlaspi arvense</i>	Field Pennywort	S of Gavar
<i>Turritis glabra</i>	Tower Mustard	Near Haghartsin church
<b>Campanulaceae</b>		
<i>Campanula armena</i>	-	
<i>Campanula bayerniana</i>	-	Meghradzor
<i>Campanula latifolia</i>	Giant Bellflower	Parz Lich Forest
<i>Campanula propinqua</i>	-	Jermuck Gorge
<i>Campanula rapunculoides</i>	Creeping Bellflower	Gnishik
<i>Campanula stevenii subsp. beauverdiana</i>	-	Sevan Pass
<i>Campanula trachelium</i>	Nettle-leaved Bellflower	Amberd
<b>Cannabaceae</b>		
<i>Celtis australis subsp. caucasica</i>	Caucasian Hackberry	Norovank Gorge
<i>Celtis iguanaea (C. glabrata)</i>	Hackberry	Garni Gorge

<b>Scientific name</b>	<b>Common name</b>	<b>Location</b>
<b>Capparaceae</b> <i>Capparis spinosa</i>	<b>Caper Family</b> Caper	W of Yeghegnadzor
<b>Caprifoliaceae</b> <i>Cephalaria syriaca</i> <i>Lonicera iberica</i>	<b>Honeysuckle Family</b> - -	Norovank Gorge Jermuck Gorge
<b>Caryophyllaceae</b> <i>Cerastium fontanum</i> agg. <i>Cerastium purpurescens</i> <i>Dianthus caucasicus</i> <i>Dianthus crinitus</i> <i>Dianthus orientalis</i> <i>Eremogone (Arenaria) gypsophiloides</i> <i>Gypsophila elegans</i> <i>Herniaria glabra</i> <i>Herniaria incana</i> <i>Silene chlorifolia</i> <i>Silene conica</i> <i>Silene flos-cuculi</i> <i>Silene multifida</i> <i>Silene spergulifolia</i> <i>Stellaria graminea</i>	<b>Pink Family</b> Common Mouse-ear - Caucasian Pink - Oriental Pink - Smooth Rupturewort Grey Rupturewort - Sand Catchfly Ragged Robin - - Lesser Stitchwort	Meghradzor Selim Pass Jermuck Gorge Jermuck Gorge Jermuck Gorge Above Byurakan, Mt. Aragats Jermuck Gorge S of Gavar Norovank Gorge W of Yeghegnadzor E of Charent's Arch Meghradzor Haghartsin Forest W of Yeghegnadzor S side of Sevan Tunnel
<b>Celastraceae</b> <i>Euonymus europaeus</i>	<b>Spindle Family</b> Spindle	Haghartsin Forest
<b>Cleomaceae</b> <i>Cleome ornithopodioides</i>	<b>Cleome Family</b> Bird Spiderflower	Jermuck Gorge
<b>Convolvulaceae</b> <i>Calystegia sepium</i> <i>Cuscuta epithymum</i>	<b>Bindweed Family</b> Hedge Bindweed Common Dodder	Armsh Fishponds Norovank Gorge
<b>Crassulaceae</b> <i>Sedum telephium</i> <i>Sedum tenellum</i> <i>Sempervivum transcaucasicum</i>	<b>Stonecrop Family</b> Orpine - -	Near Haghartsin church Caravanserai Amberd
<b>Cucurbitaceae</b> <i>Bryonia dioica</i>	<b>White Bryony Family</b> White Bryony	S of Gavar
<b>Elaeagnaceae</b> <i>Elaeagnus angustifolia</i>	<b>Sea-buckthorn Family</b> Russian Olive	Armsh Fishponds
<b>Ericaceae</b> <i>Pyrola minor</i> <i>Rhododendron caucasicum</i>	<b>Heather Family</b> Common Wintergreen -	Meghradzor Meghradzor
<b>Euphorbiaceae</b> <i>Euphorbia marschalliana</i> <i>Euphorbia oblingifolia</i>	<b>Spurge Family</b> - -	Jermuck Gorge Meghradzor

Scientific name	Common name	Location
<b>Fabaceae</b>		
<b>Pea Family</b>		
<i>Alhagi pseudalhagi</i>	Camelthorn	Armesh Fishponds
<i>Anthyllis vulneraria subsp. boissieri</i>	a Kidney Vetch	Meghradzor
<i>Astragalus aureus</i>	-	Above Byurakan, Mt. Aragats
<i>Astragalus cicer</i>	Wild Lentil	S side of Sevan Tunnel
<i>Astragalus finitimus</i>	-	Above Byurakan, Mt. Aragats
<i>Astragalus fragrans</i>	-	Above Byurakan, Mt. Aragats
<i>Astragalus c.f. stevenii</i>	-	Norovank Gorge
<i>Galega officinale</i>	Goat's-rue	E of Charent's Arch
<i>Lathyrus laxiflorus</i>	-	S side of Sevan Tunnel
<i>Lathyrus miniatus</i>	-	Parz Lich Forest
<i>Lathyrus pratensis</i>	Meadow Vetchling	Haghartsin Forest
<i>Lathyrus roseus</i>	-	Haghartsin Forest
<i>Lotus gebelia</i>	-	Jermuck Gorge
<i>Medicago incana</i>	-	Norovank Gorge
<i>Medicago lupulina</i>	Black Medick	Gull Island, Lake Sevan
<i>Medicago minima</i>	-	Norovank Gorge
<i>Medicago sativa</i>	Lucerne	Above Byurakan, Mt. Aragats
<i>Medicago truncatula</i>	Strong-spined Medick	W of Yeghegnadzor
<i>Onobrychis cornuta</i>	-	Gnishik
<i>Onobrychis michauxii</i>	-	Jermuck Gorge
<i>Onobrychis radiata</i>	-	Gnishik
<i>Onobrychis sativa</i>	-	Above Byurakan, Mt. Aragats
<i>Robinia pseudacacia</i>	False Acacia	Haghartsin Forest
<i>Sphaerophysa salsula</i>	Red Bladder-vetch	Armesh Fishponds
<i>Sophora alopecuroides</i>	Sophora	Charent's Arch
<i>Trifolium canescens</i>	-	Sevan Pass
<i>Trifolium hybridum</i>	Alsike Clover	Jermuck Gorge
<i>Trifolium medium</i>	Zig-zag Clover	S side of Sevan Tunnel
<i>Trifolium repens</i>	White Clover	S of Gavar
<i>Trigonella monantha</i>	-	E of Yeghegnadzor
<i>Vicia balansae</i>	Balan's vetch	Haghartsin Forest
<i>Vicia benghalensis</i>	Bengal Vetch	Jermuck Gorge
<i>Vicia cracca</i>	Tufted Vetch	Gnishik
<i>Vicia sativa subsp. segetalis</i>	Common Vetch	Near Haghartsin church
<i>Vicia sepium</i>	Bush Vetch	Haghartsin Forest
<b>Fagaceae</b>		
<b>Beech Family</b>		
<i>Fagus orientalis</i>	Oriental Beech	Parz Lich Forest
<i>Quercus petraea subsp. iberica</i>	Georgian Oak	Above Byurakan, Mt. Aragats
<i>Quercus macranthera</i>	Caucasian Oak	Haghartsin Forest
<b>Gentianaceae</b>		
<b>Gentian Family</b>		
<i>Gentiana pontica</i>	Pontic Gentian	Mt. Aragats
<b>Geraniaceae</b>		
<b>Geranium Family</b>		
<i>Erodium absinthoides subsp. armenum</i>	Armenian Stork's-bill	Above Byurakan, Mt. Aragats
<i>Erodium cicutarium</i>	Common Stork's-bill	Jermuck Gorge
<i>Geranium pyrenaicum</i>	Hedgerow Crane's-bill	Amberd
<i>Geranium robertianum</i>	Herb Robert	Haghartsin Forest
<i>Geranium sanguineum</i>	Bloody Crane's-bill	Near Haghartsin church

<b>Scientific name</b>	<b>Common name</b>	<b>Location</b>
<i>Geranium sylvaticum</i>	Wood Crane's-bill	Sevan Pass
<b>Grossulariaceae</b>	<b>Gooseberry Family</b>	
<i>Ribes rubrum</i>	Red Current	Meghradzor
<i>Ribes uva-crispa</i>	Gooseberry Family	Haghartsin Forest
<b>Hypericaceae</b>	<b>St. John's-wort Family</b>	
<i>Hypericum perforatum</i>	Perforated St. John's-wort	Norovank Gorge
<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 camaepitys</i> subsp. <i>chia</i>	a Ground-pine	Gnishik
<i>Ajuga orientalis</i>	Oriental Bugle	Junc. to Amberd, Mt. Aragats
<i>Betonica macrantha</i>	-	Sevan Pass
<i>Clinopodium alpinum</i> subsp. <i>alpinum</i>	Alpine Basil Time	Above Byurakan, Mt. Aragats
<i>Dracocephalum multicaule</i>	-	Jermuck Gorge
<i>Lamium album</i>	White Deadnettle	Amberd
<i>Marrubium persicum</i>	Persian Horehound	S of Gavar
<i>Marrubium vulgare</i>	White Horehound	E of Charent's Arch
<i>Nepeta betonicifolia</i>	-	Above Byurakan, Mt. Aragats
<i>Phlomis orientalis</i>	-	Norovank Gorge
<i>Prunella vulgaris</i>	Selfheal	Above Byurakan, Mt. Aragats
<i>Salvia glutinosa</i>	Jupiter's Distaff	Haghartsin Forest
<i>Salvia limbata</i>	-	S of Caravanserai
<i>Salvia nemorosa</i>	-	Above Byurakan, Mt. Aragats
<i>Salvia sclarea</i>	Clary Sage	Norovank Gorge
<i>Salvia staminea</i> ( <i>S. armeniaca</i> )	-	Junc. to Amberd, Mt. Aragats
<i>Salvia verticillata</i>	Whorled Clary	Norovank Gorge
<i>Scutellaria orientale</i>	Oriental Skullcap	Above Byurakan, Mt. Aragats
<i>Sideritis montana</i>	-	Norovank Gorge
<i>Stachys atherocalyx</i>	Atherocalyx Woundwort	Above Byurakan, Mt. Aragats
<i>Stachys balansae</i>	-	S side of Sevan Tunnel
<i>Stachys inflata</i>	-	Jermuck Gorge
<i>Stachys lavandulifolia</i>	Lavender-leaved Woundwort	S of Caravanserai
<i>Stachys riomana</i>	-	Norovank Gorge
<i>Teucrium orientale</i>	Oriental Germander	Above Byurakan, Mt. Aragats
<i>Teucrium polium</i>	Felty Germander	Above Byurakan, Mt. Aragats
<i>Thymus kotschyanus</i>	-	Above Byurakan, Mt. Aragats
<i>Ziziphora tenuior</i>	-	Above Byurakan, Mt. Aragats
<b>Linaceae</b>	<b>Flax Family</b>	
<i>Linum hypericifolium</i>	-	S side of Sevan Tunnel
<i>Linum nodiflorum</i>	-	W of Yeghegnadzor
<b>Malvaceae</b>	<b>Mallow Family</b>	
<i>Alcea rugosa</i>	-	Norovank Gorge
<b>Nitrariaceae</b>	<b>Peganum Family</b>	
<i>Peganum harmala</i>	Syrian Rue	E of Yeghegnadzor

Scientific name	Common name	Location
<b>Oleaceae</b>		
<i>Fraxinus excelsior</i>	Ash	Haghartsin Forest
<i>Fraxinus pennsylvatica</i> ( <i>F. ovalis</i> )	-	Jermuck Gorge
<i>Jasminum fruticans</i>	-	Jermuck Gorge
<i>Ligustrum vulgare</i>	Privet	Haghartsin Forest
<b>Orobanchaceae</b>		
<i>Bungea trifida</i>	-	Amberd
<i>Diphelypaea</i> ( <i>Phelypaea</i> ) <i>tournefortii</i>	-	S of Caravanserai
<i>Melampyrum arvense</i>	Field Cow-wheat	Parz Lich Forest
<i>Orobanche alba</i>	Thyme Broomrape	Gnishik
<i>Orobanche ramosa</i>	Branched Broomrape	Above Byurakan, Mt. Aragats
<i>Pedicularis armena</i>	Armenian Lousewort	Mt. Aragats
<i>Pedicularis condensata</i>	Condensed Lousewort	Selim Pass
<i>Pedicularis sibthorpii</i>	Sibthorp's Lousewort	Above Byurakan, Mt. Aragats
<i>Pedicularis wilhelmsiana</i>	Wilhelm's Lousewort	Selim Pass
<i>Rhinanthus minor</i> agg.	Rattle	Meghradzor
<i>Rhynchocorys orientalis</i>	-	Near Haghartsin church
<b>Papaveraceae</b>		
<i>Glaucium corniculatum</i>	-	Jermuck Gorge
<i>Glaucium elegans</i>	-	W of Yeghegnadzor
<i>Hypericum pendulum</i>	-	Near Azet Reservoir
<i>Papaver fugax</i>	-	Between Dilijan & Margahovit
<i>Papaver orientale</i>	-	Caravanserai
<i>Papaver persica</i>	Persian Poppy	S of Caravanserai
<i>Papaver pseudo-orientale</i>	-	Above Byurakan, Mt. Aragats
<i>Papaver rhoeas</i>	Common Poppy	Armsh Fishponds
<i>Papaver rhoeas</i> ( <i>P. commutatum</i> )	-	W of Yeghegnadzor
<b>Plantaginaceae</b>		
<i>Globularia trichosantha</i>	-	S of Caravanserai
<i>Hippuris vulgaris</i>	Mare's-tail	Gull Island, Lake Sevan
<i>Linaria armeniaca</i>	Armenian Toadflax	Jermuck Gorge
<i>Plantago major</i>	Greater Plantain	Armsh Fishponds
<i>Veronica anagallis-aquatica</i>	Blue Water Speedwell	Gull Island, Lake Sevan
<i>Veronica armena</i>	Armenia Speedwell	Above Byurakan, Mt. Aragats
<i>Veronica beccabunga</i>	Brooklime	Caravanserai
<i>Veronica chamaedrys</i>	Germander Speedwell	Meghradzor
<i>Veronica gentianoides</i>	Gentian-like Speedwell	Mt. Aragats
<i>Veronica multifida</i>	Many-lobed Speedwell	Above Byurakan, Mt. Aragats
<i>Veronica polita</i>	Grey Field Speedwell	Jermuck Gorge
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	Meghradzor
<i>Veronica speciosum</i>	-	Garni Gorge
<b>Polygalaceae</b>		
<i>Polygala transcaucasica</i>	-	Above Byurakan, Mt. Aragats
<b>Polygonaceae</b>		
<i>Atraphaxis spinosa</i>	-	Jermuck Gorge
<i>Fallopia convolvulus</i>	Black Bindweed	W of Yeghegnadzor



<b>Scientific name</b>	<b>Common name</b>	<b>Location</b>
<i>Persicaria bistorta</i>	Bistort	Sevan Pass
<i>Persicaria hydropiper</i>	Water-pepper	Armesh Fishponds
<i>Polygonum alpestre</i>	-	Amberd
<i>Polygonum patulum</i>	-	Armesh Fishponds
<i>Rumex conglomeratus</i>	Clustered Dock	Armesh Fishponds
<b>Primulaceae</b>		
<b>Primrose Family</b>		
<i>Glaux maritima</i>	Sea Milkwort	S of Gavar
<i>Primula algida</i>	-	Mt. Aragats
<i>Primula auriculata</i>	a Bird's-eye Primrose	Selim Pass
<i>Primula veris</i>	Cowslip	Parz Lich Forest
<i>Primula veris subsp. macrocalyx</i>	-	Junc. to Amberd, Mt. Aragats
<b>Ranunculaceae</b>		
<b>Buttercup Family</b>		
<i>Actaea spicata</i>	Baneberry	Meghradzor
<i>Adonis (bienenstii) aestivalis</i>	-	Near Azet Reservoir
<i>Adonis annua</i>	Pheasant's-eye	Amberd
<i>Anemone narcissiflora subsp. fasciculata</i>	-	Selim Pass
<i>Caltha (polypetala) palustris</i>	a Marsh Marigold	Selim Pass
<i>Clematis orientalis</i>	-	Norovank Gorge
<i>Consolida divaricata</i>	-	Garni Gorge
<i>Consolida orientalis</i>	Oriental Lark's-spur	W of Yeghegnadzor
<i>Delphinium divaricatum</i>	-	Jermuck Gorge
<i>Delphinium crispum (D. linearilobum)</i>	-	Near Haghartsin church
<i>Nigella oxypetala</i>	a Love-in-a-Mist	Jermuck Gorge
<i>Nigella segetalis</i>	a Love-in-a-Mist	Near Azet Reservoir
<i>Pulsatilla albana</i>	Caucasus Pasqueflower	Mt. Aragats
<i>Ranunculus arvensis</i>	Corn Buttercup	Near Azet Reservoir
<i>Ranunculus parviflorus</i>	Small-flowered Buttercup	Above Byurakan, Mt. Aragats
<i>Ranunculus sceleratus</i>	Celery-leaved Buttercup	Armesh Fishponds
<i>Thalictrum minus</i>	Lesser Meadow-rue	Caravanserai
<b>Rhamnaceae</b>		
<b>Buckthorn Family</b>		
<i>Rhamnus pallasii</i>	-	Gnishik
<b>Rosaceae</b>		
<b>Rose Family</b>		
<i>Alchemilla glabra</i>	Smooth Lady's-mantle	Caravanserai
<i>Cotoneaster racemiflora</i>	-	Norovank Gorge
<i>Crataegus x kyrtostyla</i>	-	Parz Lich Forest
<i>Crataegus orientalis</i>	Oriental Hawthorn	Norovank Gorge
<i>Fragaria vesca</i>	Wild Strawberry	Meghradzor
<i>Geum rivale</i>	Water Avens	Caravanserai
<i>Geum urbanum</i>	Wood Avens	Caravanserai
<i>Mespilus germanica</i>	Medlar	S of Gavar
<i>Potentilla anserina</i>	Silverweed	S of Gavar
<i>Potentilla recta</i>	Sulphur Cinquefoil	Norovank Gorge
<i>Potentilla sterilis</i>	Barren Strawberry	Haghartsin Forest
<i>Poterium sanguisorba subsp. balearicum</i>	Fodder Burnet	Norovank Gorge
<i>Prunus dulcis</i>	Almond	Norovank Gorge
<i>Prunus (Cerasus) incana</i>	-	Gnishik
<i>Pyrus salicifolia</i>	Willow-leaved Pear	Jermuck Gorge
<i>Rosa pulverulentum</i>	-	Junc. to Amberd, Mt. Aragats

<b>Scientific name</b>	<b>Common name</b>	<b>Location</b>
<i>Rosa spinosissima</i>	Burnet Rose	Gnishik
<i>Rubus idaeus</i>	Raspberry	Meghradzor
<i>Sorbus aucuparia</i>	Rowan or Mountain Ash	Meghradzor
<i>Spiraea hypericifolia</i>	-	Above Byurakan, Mt. Aragats
<b>Rubiaceae</b>	<b>Bedstraw Family</b>	
<i>Cruciata laevipes</i>	Crosswort	Junc. to Amberd, Mt. Aragats
<i>Galium aparine</i>	Cleavers	Haghartsin Forest
<i>Galium odoratum</i>	Woodruff	Haghartsin Forest
<i>Galium c.f. verum</i>	Ladies Bedstraw	S of Caravanserai
<b>Rutaceae</b>	<b>Rue family</b>	
<i>Dictamnus albus (D.caucasicus)</i>	-	Between Dilijan & Margahovit
<b>Saliciaceae</b>	<b>Willow Family</b>	
<i>Salix caprea</i>	Goat Willow	Near Haghartsin church
<i>Salix pentandra</i>	Bay Willow	Meghradzor
<b>Santalaceae</b>	<b>Sandalwood Family</b>	
<i>Viscum album</i>	Mistletoe	Parz Lich Forest
<b>Sapindaceae</b>	<b>Maple Family</b>	
<i>Acer campestre</i>	Field Maple	Haghartsin Forest
<i>Acer heldreichii</i> subsp. <i>trautvetteri</i>	Trautvetter's Maple	Sevan Pass
<i>Acer monspessulanum</i> subsp. <i>ibericum</i>	a Montpellier Maple	Norovank Gorge
<i>Acer platanoides</i>	Norway Maple	Haghartsin Forest
<i>Acer pseudoplatanus</i>	Sycamore	Meghradzor
<b>Scrophulariaceae</b>	<b>Figwort Family</b>	
<i>Scrophularia chrysantha</i>	Golden Figwort	Caravanserai
<i>Scrophularia divaricata</i>	-	Above Byurakan, Mt. Aragats
<i>Verbascum georgicum</i>	Georgian Mullein	W of Yeghegnadzor
<i>Verbascum orientale</i>	Oriental Mullein	Jermuck Gorge
<i>Verbascum saccatum</i>	-	W of Yeghegnadzor
<b>Simaroubaceae</b>	<b>Tree of Heaven Family</b>	
<i>Ailanthus altissimus (A. montana)</i>	Tree of Heaven	Garni Gorge
<b>Solanaceae</b>	<b>Nightshade Family</b>	
<i>Hyoscyamus nigra</i>	Henbane	Caravanserai
<i>Hyoscyamus pusillus</i>	Least Henbane	Near Azet Reservoir
<b>Tamaricaceae</b>	<b>Tamarisk Family</b>	
<i>Tamarix ramosissima</i>	Branched Tamarisk	Norovank Gorge
<b>Thymelaeaceae</b>	<b>Mezereon Family</b>	
<i>Daphne glomerata</i>	-	Junc. to Amberd, Mt. Aragats
<b>Ulmaceae</b>	<b>Elm family</b>	
<i>Zelkova carpinifolia (Ulmus carpinifolia)</i>	Caucasian Elm	Parz Lich Forest

Scientific name	Common name	Location
<b>Urticaceae</b>		
<i>Urtica dioica</i> subsp. <i>dioica</i>	Common Nettle	Norovank Gorge
<i>Urtica dioica</i> subsp. <i>galeopsifolia</i>	Stingless' Nettle	Armesh Fishponds
<b>Valerianaceae</b>		
<i>Valeriana leucophylla</i>	-	Meghradzor
<i>Valeriana officinalis</i>	Common Valerian	S of Caravanseraï
<i>Valeriana ovalifolia</i>	Round-leaved Valerian	Meghradzor
<b>Violaceae</b>		
<i>Viola arvensis</i>	Field Pansy	Sevan Pass
<b>Zygophyllaceae</b>		
<i>Zygophyllum fabago</i>	Syrian Bean-caper	Common
<b>Monocots</b>		
<b>Monocotyledons</b>		
<b>Amaryllidaceae</b>		
<i>Allium flavascens</i>	a Yellow Onion	Jermuck Gorge
<i>Allium rubellum</i>	-	Above Byurakan, Mt. Aragats
<i>Allium tripedale</i> * ( <i>Nectaroscordum tripedale</i> )	-	Amberd
<b>Asparagaceae</b>		
<i>Bellevalia caucasica</i>	-	Above Byurakan, Mt. Aragats
<i>Bellevalia paradoxa</i> ( <i>B. pycnantha</i> )	-	Mt. Agarats
<i>Leopoldia caucasica</i> ( <i>Muscari causicum</i> )	Leopoldia	Above Byurakan, Mt. Aragats
<i>Muscari armeniacum</i> ( <i>M. szovitsianum</i> )	-	Mt. Aragats
<i>Ornithogalum balansae</i>	-	Selim Pass
<i>Ornithogalum hajastanicum</i>	-	Norovank Gorge
<i>Polygonatum multiflorum</i>	Solomon's-seal	Haghartsin Forest
<b>Butomaceae</b>		
<i>Butomus umbilicus</i>	Flowering Rush	Armesh Fishponds
<b>Colchicaceae</b>		
<i>Colchicum szovitsii</i> ( <i>Colchicum bifolium</i> )	-	Mt. Aragats
<b>Cyperaceae</b>		
<i>Bolboschoenus maritimus</i>	Sea Clubrush	Gull Island, Lake Sevan
<i>Carex divulsa</i>	Grey Sedge	Haghartsin Forest
<i>Carex hirta</i>	Hairy Sedge	Meghradzor
<i>Carex leporina</i>	Oval Sedge	Meghradzor
<i>Carex otrubae</i>	False Fox-sedge	W of Yeghegnadzor
<i>Carex sylvatica</i>	Wood Sedge	Haghartsin Forest
<i>Eleocharis palustris</i>	Common Spike-rush	Above Byurakan, Mt. Aragats
<i>Scirpoides holoschoenus</i>	Round-headed Clubrush	W of Yeghegnadzor
<i>Scirpus sylvaticus</i>	Wood Clubrush	Meghradzor
<b>Iridaceae</b>		
<i>Gladiolus atrovioleaceus</i>	-	Gnishik
<i>Gladiolus kotschianus</i>	Kotschy's Gladiolus	Above Byurakan

Scientific name	Common name	Location
<i>Iris spuria</i> subsp. <i>demetrii</i>	-	Meghradzor
<b>Liliaceae</b>	<b>Lily Family</b>	
<i>Gagea glacialis</i>	Glacier Star of Bethlehem	Mt. Aragats
<i>Lilium armenum</i>	Armenian Lily	Sevan Pass
<b>Melanthiaceae</b>	Herb Paris Family	
<i>Veratrum lobelianum</i>	Green False Helleborine	Sevan Pass
<b>Orchidaceae</b>	<b>Orchid Family</b>	
<i>Anacamptis (Orchis) coriophora</i>	Bug Orchid	Meghradzor
<i>Cephalanthera damasonium</i>	White Helleborine	Haghartsin Forest
<i>Cephalanthera rubra</i>	Red Helleborine	Haghartsin Forest
<i>Corallorhiza trifida</i>	Coralroot Orchid	Meghradzor
<i>Dactylorhiza euxina</i>	a Marsh Orchid	Selim Pass
<i>Dactylorhiza umbrosa (D. sanasunitensis)</i>	-	Caravanserai
<i>Dactylorhiza urvilleana</i>	-	Parz Lich Forest
<i>Gymnadenia conopsea</i>	Fragrant Orchid	Meghradzor
<i>Neottia nidus-avis</i>	Bird's-nest Orchid	Haghartsin Forest
<i>Orchis mascula</i>	Early Purple Orchid	Above Byurakan, Mt. Aragats
<i>Platanthera chlorantha</i>	Greater Butterfly Orchid	Haghartsin Forest
<b>Poaceae</b>	<b>Grass Family</b>	
<i>Aegilops cylindrica</i>	Jointed Goat-grass	Charent's Arch
<i>Alopecurus arvensis</i>	Meadow Foxtail	Armesh Fishponds
<i>Alopecurus ovatus (A. alpinus)</i>	Alpine Foxtail	Selim Pass
<i>Anisantha tectorum</i>	Drooping Brome	Norovank Gorge
<i>Cynodon dactylon</i>	Bermuda Grass	Armesh Fishponds
<i>Dactylis smithii</i>	-	Charent's Arch
<i>Hordeum marinum</i>	Sea Barley	Armesh Fishponds
<i>Melica ciliata</i>	-	Norovank Gorge
<i>Phragmites australis</i>	Common Reed	Roadside ditches
<i>Poa nemoralis</i>	Wood Meadow-grass	Haghartsin Forest
<i>Stipa tirsia</i>	Horsetail Feather-grass	Norovank Gorge
<b>Typhaceae</b>	<b>Bulrush Family</b>	
<i>Typha angustifolia</i>	Lesser Bulrush	Armesh Fishponds
<i>Typha latifolia</i>	Bulrush	Roadside ditches

Birds (✓ = recorded but not counted; H = heard only, M = seen in Moscow)

	Common name	Scientific name	May/June								
			31	1	2	3	4	5	6	7	
1	Caucasian Grouse	<i>Lyrurus mlokosiewiczii</i>								4	
2	Chukar Partridge	<i>Alectoris rufa</i>				3					
3	Common Quail	<i>Coturnix coturnix</i>				H 2	H 4	2			
4	Ruddy Shelduck	<i>Tadorna ferruginea</i>			2		4				
5	Gadwall	<i>Anas strepera</i>			2		30				
6	Mallard	<i>Anas platyrhynchos</i>			25		16				
7	Red-crested Pochard	<i>Netta rufina</i>			200						
8	Common Pochard	<i>Aythya ferina</i>			40						
9	Ferruginous Duck	<i>Aythya nyroca</i>			10		1				

	Common name	Scientific name	May/June							
			31	1	2	3	4	5	6	7
10	Tufted Duck	<i>Aythya fuligula</i>					3			
11	Great Crested Grebe	<i>Podiceps cristatus</i>			14		40			
12	White Stork	<i>Ciconia ciconia</i>			200		10			
13	Glossy Ibis	<i>Plegadis falcinellus</i>			80		15			
14	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>			12		30			
15	Squacco Heron	<i>Ardeola ralloides</i>			6		1			
16	Western Cattle Egret	<i>Bubulcus ibis</i>					12			
17	Grey Heron	<i>Ardea cinerea</i>			5		10			
18	Purple Heron	<i>Ardea purpurea</i>			30		3			
19	Little Egret	<i>Egretta garzetta</i>			15					
20	Pygmy Cormorant	<i>Microcarbo pygmeus</i>			300					
21	Great Cormorant	<i>Phalacrocorax carbo</i>					15			
22	European Honey Buzzard	<i>Pernus apivorus</i>		1						
23	Egyptian Vulture	<i>Neophron percnopterus</i>			1	1				1
24	Griffon Vulture	<i>Gyps fulvus</i>		10						3
25	Cinereous Vulture	<i>Aegypius monachus</i>		2						
26	Short-toed Snake Eagle	<i>Circaetus gallicus</i>			1					3
27	Western Marsh Harrier	<i>Circus aeruginosus</i>			30					
28	Levant Sparrowhawk	<i>Accipiter brevipes</i>		1			1			
29	Eurasian Sparrowhawk	<i>Accipiter nisus</i>			2					
30	Northern Goshawk	<i>Accipiter gentilis</i>					1	1		
31	Common Buzzard	<i>Buteo buteo</i>		8	5	12	10	6	4	
32	Long-legged Buzzard	<i>Buteo rufinus</i>		3		4	12	4	1	8
33	Lesser Spotted Eagle	<i>Aquila pomarina</i>		1			1	1	1	
34	Golden Eagle	<i>Aquila chrysaetos</i>		1	1	3	5			1
35	Booted Eagle	<i>Hieraaetus pennatus</i>		2		1				
36	Common Kestrel	<i>Falco tinnunculus</i>	M		8	10	1		1	5
37	Eurasian Hobby	<i>Falco subbuteo</i>					2			
38	Peregrine Falcon	<i>Falco peregrinus</i>			1	2	1			
39	Water Rail	<i>Rallus aquaticus</i>			1					
40	Corncrake	<i>Crex crex</i>							2	
41	Common Moorhen	<i>Gallinula chloropus</i>			10		5			
42	Eurasian Coot	<i>Fulica atra</i>			500		200			
43	Black-winged Stilt	<i>Himantopus himantopus</i>			50					
44	Pied Avocet	<i>Recurvirostra avosetta</i>			2					
45	Northern Lapwing	<i>Vanellus vanellus</i>			1					
46	White-tailed Lapwing	<i>Vanellus leucurus</i>			8					
47	Common Ringed Plover	<i>Charadrius hiaticula</i>			45		2			
48	Kentish Plover	<i>Charadrius alexandrinus</i>			25					
49	Common Redshank	<i>Tringa totanus</i>			10		8			
50	Common Greenshank	<i>Tringa nebularia</i>			2					
51	Common Sandpiper	<i>Actitis hypoleucos</i>					4			
52	Little Stint	<i>Calidris minuta</i>			120		7			
53	Curlew Sandpiper	<i>Calidris ferruginea</i>			2					
54	Dunlin	<i>Calidris alpina</i>			7					
55	Broad-billed Sandpiper	<i>Limicola falcinellus</i>			2					
56	Ruff	<i>Philomachus pugnax</i>			8		1			
57	Collared Pratincole	<i>Glareola pratincola</i>			40					
58	Slender-billed Gull	<i>Chroicocephalus genei</i>			140					
59	Black-headed Gull	<i>Chroicocephalus ridibundus</i>			200					

	Common name	Scientific name	May/June							
			31	1	2	3	4	5	6	7
60	Armenian Gull	<i>Larus armenicus</i>			50		800			
61	Gull-billed Tern	<i>Gelochelidon nilotica</i>			3					
62	Little Tern	<i>Sternula albifrons</i>			10					
63	Common Tern	<i>Sterna hirundo</i>			4					
64	Whiskered Tern	<i>Chlidonias hybrida</i>			10					
65	White-winged Tern	<i>Chlidonias leucopterus</i>			10		50			
66	Black Tern	<i>Chlidonias niger</i>			1					
67	Common Pigeon	<i>Columba livia Feral</i>	M	✓	✓					✓
68	Common Wood Pigeon	<i>Columba palumbus</i>				3	8	2		
69	European Turtle Dove	<i>Streptopelia turtur</i>		1						
70	Common Cuckoo	<i>Cuculus canorus</i>		12	6			2	5	4
71	Eurasian Scops Owl	<i>Otus scops</i>								1
72	Tawny Owl	<i>Strix aluco</i>						1	H	
73	Alpine Swift	<i>Tachymarptis melba</i>			2	6				10
74	Common Swift	<i>Apus apus</i>	M	2000	300	300	40	100	80	200
75	European Roller	<i>Coracias garrulus</i>			7	4	1			6
76	Common Kingfisher	<i>Alcedo atthis</i>			1	1				
77	Blue-cheeked Bee-eater	<i>Merops persicus</i>			10					
78	European Bee-eater	<i>Merops apiaster</i>		3	1	1				20
79	Eurasian Hoopoe	<i>Upupa epops</i>		10	30	8	5	4		6
80	Middle Spotted Woodpecker	<i>Dendrocopos medius</i>						1		
81	White-backed Woodpecker	<i>Dendrocopos leucotos</i>		2	2					
82	Syrian Woodpecker	<i>Dendrocopos syriacus</i>		2		4	4	1	1	8
83	Great-spotted Woodpecker	<i>Dendrocopos major</i>						10		
84	Red-backed Shrike	<i>Lanius collurio</i>		65	4	3	18	15		2
85	Lesser Grey Shrike	<i>Lanius minor</i>		1	3		4			
86	Woodchat Shrike	<i>Lanius senator</i>					2			
87	Eurasian Golden Oriole	<i>Oriolus oriolus</i>				10	6	4	3	2
88	Eurasian Jay	<i>Garrulus glandarius</i>		6	4	8	10			
89	Eurasian Magpie	<i>Pica pica</i>		20	20	25	20	10	15	20
90	Red-billed Chough	<i>Pyrrhocorax pyrrhocorax</i>		3	10	8	12			2
91	Alpine Chough	<i>Pyrrhocorax graculus</i>					2		30	
92	Western Jackdaw	<i>Coloeus monedula</i>			10		2			10
93	Hooded Crow	<i>Corvus cornix</i>	M	50	30	10	100	30	40	100
94	Northern Raven	<i>Corvus corax</i>				8			1	
95	Coal Tit	<i>Parus ater</i>						10	3	
96	Great Tit	<i>Parus major</i>		8	1	1	2	30	5	10
97	Eurasian Blue Tit	<i>Cyanistes caeruleus</i>		1	1	1	1	4	4	
98	Bearded Reedling	<i>Panurus biarmicus</i>			70					
99	Bimaculated Lark	<i>Melanocorypha bimaculata</i>		6						
100	Lesser Short-toed Lark	<i>Calandrella rufescens</i>			2					2
101	Crested Lark	<i>Galerida cristata</i>		2	1					6
102	Woodlark	<i>Lullula arborea</i>		4			2	1		
103	Eurasian Skylark	<i>Alauda arvensis</i>		6		2				
104	Horned Lark	<i>Eremophila alpestris</i>		10						
105	Sand Martin	<i>Riparia riparia</i>			100	1	2000			
106	Barn Swallow	<i>Hirundo rustica</i>		50	300	50	200	100	80	50
107	Eurasian Crag Martin	<i>Ptyonoprogne rupestris</i>		10	30	60	20	30		10
108	Common House Martin	<i>Delichon urbicum</i>		40	10	20	50		10	10
109	Cetti's Warbler	<i>Cettia cetti</i>			1	3	5			2

	Common name	Scientific name	May/June							
			31	1	2	3	4	5	6	7
110	Common Chiffchaff	<i>Phylloscopus collybita</i>						2	3	
111	Siberian Chiffchaff	<i>Phylloscopus collybita tristis</i>						4		
112	Mountain Chiffchaff	<i>Phylloscopus sindianus</i>					12			
113	Green Warbler	<i>Phylloscopus nitidus</i>						35	15	
114	Great Reed Warbler	<i>Acrocephalus arundinaceus</i>			15		3			1
115	Sedge Warbler	<i>Acrocephalus schoenobaenus</i>			1	1				
116	Eurasian Reed Warbler	<i>Acrocephalus scirpaceus</i>			10					
117	Eastern Olivaceous Warbler	<i>Iduna pallida</i>					4			
118	Upcher's Warbler	<i>Hippolais languida</i>		1		1				2
119	Common Grasshopper Warbler	<i>Locustella naevia</i>				H				
120	Eurasian Blackcap	<i>Sylvia atricapilla</i>						6	2	
121	Lesser Whitethroat	<i>Sylvia curruca</i>		5		2				3
122	Common Whitethroat	<i>Sylvia communis</i>		50		1	30	25	10	2
123	Menetries's Warbler	<i>Sylvia mystacea</i>			3					
124	Eurasian Wren	<i>Troglodytes troglodytes</i>						1	1	
125	Eurasian Nuthatch	<i>Sitta europaea</i>						15	5	
126	Western Rock Nuthatch	<i>Sitta neumayer</i>		2						
127	Eastern Rock Nuthatch	<i>Sitta tephronota</i>			5	4	10		5	10
128	Rosy Starling	<i>Pastor roseus</i>		40	41	6000	500		100	3000
129	Common Starling	<i>Sturnus vulgaris</i>				1	50	20		
130	Ring Ouzel	<i>Turdus torquatus</i>		1		1			2	
131	Common Blackbird	<i>Turdus merula</i>		15		10	4	10	6	8
132	Mistle Thrush	<i>Turdus viscivorus</i>				4		4		
133	European Robin	<i>Erithacus rubecula</i>						3	1	
134	Bluethroat	<i>Luscinia svecica</i>		2						
135	Common Nightingale	<i>Luscinia megarhynchos</i>		1	3	12	8		1	
136	White-throated Robin	<i>Irania gutturalis</i>		4		2	4			
137	Rufous Bush Robin	<i>Erythropygia galactotes</i>			2		2			
138	Black Redstart	<i>Phoenicurus ochruros semirufus</i>		10	2		2			
139	Common Redstart	<i>P. phoenicurus samamisticus</i>		10				20	5	
140	Whinchat	<i>Saxicola rubetra</i>					30	4	4	
141	Siberian Stonechat	<i>Saxicola maurus</i>				2				
142	Isabelline Wheatear	<i>Oenanthe isabellina</i>								4
143	Northern Wheatear	<i>Oenanthe oenanthe</i>		35			6	2	1	
144	Black-eared Wheatear	<i>Oenanthe hispanica</i>		4	2	8	8			6
145	Finsch's Wheatear	<i>Oenanthe finschii</i>								4
146	Common Rock Thrush	<i>Monticola saxatilis</i>		1		2	4			
147	Blue Rock Thrush	<i>Monticola solitarius</i>			2	12	2			
148	Spotted Flycatcher	<i>Muscicapa striata</i>						2		
149	Semi-collared Flycatcher	<i>Ficedula semitorquata</i>						2		
150	Red-breasted Flycatcher	<i>Ficedula parva</i>						2		
151	White-throated Dipper	<i>Cinclus cinclus</i>					1			
152	House Sparrow	<i>Passer domesticus</i>		20	10		1	30	40	30
153	Eurasian Tree Sparrow	<i>Passer montanus</i>		1	30	20	40	1		20
154	Rock Sparrow	<i>Petronia petronia</i>		6		2	4			8
155	White-winged Snowfinch	<i>Montifringilla nivalis</i>		3						
156	Alpine Accentor	<i>Prunella collaris</i>		2						
157	Radde's Accentor	<i>Prunella ocularis</i>		6						
158	Dunnock	<i>Prunella modularis</i>							3	
159	Western Yellow Wagtail	<i>Motacilla flava flava</i>			10		20	2	1	2

	Common name	Scientific name	May/June							
			31	1	2	3	4	5	6	7
159a	Black-headed Yellow Wagtail	<i>Motacilla flava feldegg</i>			10					
160	Grey Wagtail	<i>Motacilla cinerea</i>				1	2		1	1
161	White Wagtail	<i>Motacilla alba</i>	M	10	10		4	20	15	1
162	Tawny Pipit	<i>Anthus campestris</i>		3						
163	Meadow Pipit	<i>Anthus pratensis</i>					10	12		
164	Tree Pipit	<i>Anthus trivialis</i>		8			2	18	5	
165	Water Pipit	<i>Anthus spinoletta</i>		4				2	50	
166	Common Chaffinch	<i>Fringilla coelebs</i>						20	5	
167	European Greenfinch	<i>Chloris chloris</i>		4	1			10		
168	European Goldfinch	<i>Carduelis carduelis</i>		10	4	10	1	10		10
169	Twite	<i>Carduelis flavirostris</i>		2			10		2	
170	Common Linnet	<i>Carduelis cannabina</i>		10		4	25	4	2	10
171	Common Rosefinch	<i>Carpodacus erythrinus</i>		3	3	10	50	40	20	
172	Red Crossbill	<i>Loxia curvirostra</i>						2		
173	Hawfinch	<i>Coccothraustes coccothraustes</i>						7		
174	Corn Bunting	<i>Emberiza calandra</i>		30	6	14	10	8	2	1
175	Rock Bunting	<i>Emberiza cia</i>			2	30	10			
176	Ortolan Bunting	<i>Emberiza hortulana</i>		40		1	4			
177	Black-headed Bunting	<i>Emberiza melanocephala</i>		15	10	40	8			10

## Mammals

1	European Hare	<i>Lepus europaeus</i>			✓					
2	Persian Squirrel	<i>Sciurus anomalus</i>		✓				✓		
3	Water Vole	<i>Arvicola terrestris</i>					✓			

## Amphibians &amp; Reptiles

1	Green Toad	<i>Bufo viridis</i>								✓
2	Levant Water Frog	<i>Pelophylax bedriagae</i>			H	✓	H		✓	
3	Agile Frog	<i>Rana dalmatina</i>		✓		✓	✓			
4	Caspian Terrapin	<i>Mauremys caspica</i>			✓	✓				
5	Armenian Rock Lizard	<i>Darevskia armeniaca</i>			✓		✓	✓		✓
6	Eastern Green Lizard	<i>Lacerta viridis</i>							✓	
7	Grass Snake	<i>Natrix natrix</i>			✓		✓			
8	Dice Snake	<i>Natrix tessellata</i>			✓					

## Butterflies

1	Swallowtail	<i>Papilio machaon syriacus</i>		✓						
2	Southern Swallowtail	<i>Papilio alexanor</i>		✓						
3	Scarce Swallowtail	<i>Iphiclides podalirius persica</i>		✓		✓				
4	Clouded Apollo	<i>Parnassius mnemosyne nubilosus</i>		✓						
5	Black-veined White	<i>Aporia crataegi iranica</i>			✓	✓				✓
6	Large White	<i>Pieris brassicae</i>		✓	✓			✓	✓	
7	Small White	<i>Artogeia rapae transcaucasica</i>		✓	✓	✓	✓	✓	✓	✓
8	Green-veined White	<i>Artogeia napi</i>							✓	
9	Eastern Bath White	<i>Pontia edusa edusa</i>			✓					
10	Orange Tip	<i>Anthocharis cardamines</i>			✓			✓		
11	Eastern Dappled White	<i>Euchloe ausonia taurica</i>								✓
12	Clouded Yellow	<i>Colias crocea</i>				✓			✓	
13	Berger's Clouded Yellow	<i>Colias alfaciensis fontainei</i>		✓		✓		✓		



	Common name	Scientific name	May/June							
			31	1	2	3	4	5	6	7
14	Christoph's Clouded Yellow	<i>Colias chlorocoma</i>					✓			
15	Brimstone	<i>Gonepteryx rhamni meridionalis</i>				✓				
16	Powdered Brimstone	<i>Gonepteryx farinosa turcirana</i>								✓
17	Wood White	<i>Leptidea sinapis</i>						✓		
18	Small Copper	<i>Lycaena phlaeus</i>			✓	✓				
19	Scarce Copper	<i>Lycaena virgaureae</i>			✓					
20	Sooty Copper	<i>Lycaena tityrus</i>				✓				
21	Lesser Fiery Copper	<i>Lycaena thersamon</i>					✓		✓	
22	Turkish Fiery Copper	<i>Lycaena ochimus</i>							✓	
23	Purple-edged Copper	<i>Lycaena hippothoe</i>							✓	
24	Little Blue	<i>Cupido minimus</i>							✓	
25	Osiris Blue	<i>Cupido osiris</i>								
26	Green-underside Blue	<i>Glaucopsyche alexis aeruginosa</i>	✓			✓	✓		✓	
27	Silver-studded Blue	<i>Plebejus argus bellus</i>				✓				
28	Loew's Blue	<i>Plebejus loewii</i>								✓
29	Eastern Brown Argus	<i>Kretania eurypilus</i>				✓				
30	Eastern Mazarine Blue	<i>Cyaniris bellis antiohena</i>			✓					✓
31	Chapman's Blue	<i>Agrodiaetus thersites ketshevana</i>								
32	Adonis Blue	<i>Lysandra bellargus</i>		✓		✓	✓	✓	✓	
33	Common Blue	<i>Polyommatus icarus</i>					✓			
34	Southern White Admiral	<i>Limenitis reducta mirzajani</i>						✓		
35	Common Glider	<i>Neptis sappho</i>			✓					
36	Hungarian Glider	<i>Neptis rivularis ludmilla</i>				✓				
37	Painted Lady	<i>Vanessa cardui</i>		✓		✓	✓	✓		
38	Small Tortoiseshell	<i>Aglais urticae turcica</i>		✓				✓	✓	
39	Comma Butterfly	<i>Polygonia c-album</i>		✓						
40	Southern Comma	<i>Polygonum egea</i>				✓				
41	Cardinal Fritillary	<i>Argynnis pandora</i>								✓
42	Silver-washed Fritillary	<i>Argynnis paphia</i>		✓		✓				
43	Dark Green Fritillary	<i>Argynnis aglaja ottomana</i>		✓					✓	
44	Queen of Spain Fritillary	<i>Issoria lathonia</i>				✓	✓			✓
45	Twin-spot Fritillary	<i>Brenthis hecate</i>				✓				
46	Marbled Fritillary	<i>Brenthis daphne</i>				✓				
47	Lesser Marbled Fritillary	<i>Brenthis ino</i>			✓					
48	Pearl-bordered Fritillary	<i>Clossiana euphrosyne</i>							✓	
49	Glanville Fritillary	<i>Melitaea cinxia</i>		✓			✓		✓	
50	Freyer's Fritillary	<i>Melitaea arduinna</i>			✓					
51	Knapweed Fritillary	<i>Melitaea phoebe</i>		✓						
52	Spotted Fritillary	<i>Melitaea didyma transcaucasica</i>		✓	✓	✓	✓			✓
53	a Marsh Fritillary	<i>Eurodryas provincialis</i>		✓		✓	✓	✓	✓	
54	Marbled White	<i>Maelanargia galathea procida</i>				✓				
55	Freyer's Grayling	<i>Neohipparchia fatua</i>				✓				
56	Grayling sp.	-								✓
57	Woodland Ringlet	<i>Erebia medusa psodea</i>					✓	✓	✓	
58	Large Heath	<i>Coenonympha tullia</i>							✓	
59	Small Heath	<i>Coenonympha pamphilus</i>		✓		✓			✓	
60	Grizzled Skipper	<i>Pyrgus melotis</i>				✓		✓		
61	Large Grizzled Skipper	<i>Pyrgus alveus</i>		✓	✓					
62	Sandy Grizzled Skipper	<i>Pyrgus cinarae</i>			✓	✓				
63	Red-underwing Skipper	<i>Spialia sertorius</i>		✓						

	Common name	Scientific name	May/June							
			31	1	2	3	4	5	6	7
64	Persian Skipper	<i>Spialia phlomidis</i>		✓						
65	Dingy Skipper	<i>Erynnis tages unicolor</i>		✓			✓	✓		
66	Southern Small Skipper	<i>Thymelicus sylvestris syriacus</i>								✓
67	Large Skipper	<i>Ochlodes alveus</i>								✓

## Micro Moths

1	Yarrow Plume	<i>Gillmeria pallidactyla</i>							✓	
2	Pyralid	<i>Synaphe moldavica</i>		✓				✓		✓
3	Small Magpie	<i>Anania perlucidalis</i>						✓		
4	Crambid	<i>Chrysocrambus linetella</i>		✓		✓	✓			
5	Rush Veneer	<i>Nomophila noctuella</i>				✓	✓			

## Macro Moths (C = Caterpillar)

1	Forester	<i>Adscita statures</i>		✓						
2	Transparent Burnet	<i>Zygaena purpuralis</i>		✓						
3	Lackey	<i>Malacosoma neustria</i>			C		C			
4	Speckled Yellow	<i>Pseudopanthera macularia</i>						✓		
5	Black-veined Moth	<i>Siona lineata</i>				✓	✓			
6	Hummingbird Hawk-moth	<i>Macroglossum stellatarum</i>				✓	✓		✓	
7	Spurge Hawk-moth	<i>Hyles euphorbiae</i>								✓
8	Garden Tiger	<i>Arctia caja</i>						C		
9	Cream-spot Tiger	<i>Arctia villica</i>				✓				
10	Nine-spotted	<i>Amata phegea</i>			✓					
11	Heart and Dart	<i>Agrotis exclamationis</i>						✓		
12	Noctuid	<i>Eublemma amoena</i>		✓						
13	Silver Barred	<i>Deltote bankiana</i>		✓					✓	✓
14	Spotted Sulphur	<i>Emmelia trabealis</i>				✓	✓			
15	Burnet Companion	<i>Euclidia glyphica</i>				✓				
16	Noctuid	<i>Helivictoria victorina</i>			✓					

## Other Taxa (N = Nest)

1	Large Red-eye Damselfly	<i>Erythromma najas</i>			✓					
2	Blue Emperor	<i>Anax imperator</i>			✓					
3	Lesser Emperor	<i>Anax parthenope</i>			✓					
4	Red-veined Darter	<i>Sympetrum fonscolombii</i>			✓					
5	Common Darter	<i>Sympetrum striolatum</i>			✓					
6	Nose Grasshopper	<i>Acrida ungarica</i>			✓					✓
7	Bog Bush-cricket	<i>Metrioptera brachyptera</i>			✓					
8	Dark Bush-cricket	<i>Philidoptera griseoptera</i>			✓					
9	Field Cricket	<i>Gryllus campestris</i>		✓						
10	Shield Bug	<i>Graphosoma semipunctata</i>								✓
11	Leather Bug	<i>Syromastes rhombeus</i>			✓		✓			
12	Fire Bug	<i>Pyrrhocoris apterus</i>						✓		
13	Frog hopper (Red & Black)	<i>Cercopis vulnerata</i>		✓	✓	✓				✓
14	Ant-lion	<i>Nemoptera nitida</i>			✓	✓	✓			✓
15	Scorpion Fly	<i>Panorpa sp.</i>						✓	✓	
16	Bee-fly	<i>Bombylius sp</i>								✓
17	Robber-fly	<i>Asilidae sp.</i>								✓
18	European Paper Wasp	<i>Polistes gallicus</i>			✓					N

	Common name	Scientific name	May/June							
			31	1	2	3	4	5	6	7
19	White-tailed Bumblebee	<i>Bombus lucorum</i>							✓	
20	Carpenter Bee	<i>Xylocopa sp.</i>		✓						
21	Honey Bee	<i>Apis mellifera</i>		✓	✓	✓			✓	
22	Common Ground Beetle	<i>Pterostichus melanarius</i>		✓						
23	Burying Beetle	<i>Nicrophorus vespillo</i>		✓						
24	Chafer	<i>Polyphylla fullo</i>								✓
25	Chafer	<i>Oxythyrea funesta</i>			✓	✓				
26	Rose Chafer	<i>Cetonia aurata</i>		✓						
27	Green' Chafer	<i>Cetonia aeruginosa</i>		✓						
28	Brown Chafer	<i>Scarabaeid sp.</i>		✓		✓				
29	Soldier Beetle	<i>Cantharis rustica</i>			✓					
30	Soldier Beetle	<i>Rhagonycha fulva</i>						✓		✓
31	Seven-spot Ladybird	<i>Coccinella 7-punctata</i>		✓		✓	✓			
32	Green 'Fat-thigh' Beetle	<i>Oedemera nobilis</i>								✓
33	Oil Beetle	<i>Meloe proscarabaeus</i>							✓	
34	Longhorn Beetle	<i>Semnosia caucasica</i>		✓						
35	Longhorn Beetle	<i>Leptura sp</i>								✓
36	Salticid Spider	<i>Philaeus chrysaps</i>				✓				

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The Group by Paul Harnes