

Armenia - Spring Birds and Flowers

Naturetrek Tour Report

4 -12 June 2016



Mountain Chiffchaff



White-tailed Lapwing



Papaver macrostomum



Stachys inflata

Report & Images by Paul Harnes & Hasmik Ter Voskanyan



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Leaders: Paul Harmes & Hasmik Ter Voskanyan (leaders)
Edik (driver) & Armine (local agent) with seven Naturetrek clients

Day 1

Saturday 4th June

Fly Heathrow to Moscow & Yerevan

Seven group members met with Paul at Heathrow Terminal 4 for the Aeroflot Flight SU2571 to Moscow Sheremetyevo Airport, where we transferred to Aeroflot flight SU1862 to Yerevan. We arrived at Yerevan Zvartsnots Airport where, after changing money and collecting our luggage, we met with Hasmik and Edik, our driver for the week. We transferred to our bus for the short journey, in heavy rain and hail, 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 late supper before retiring to bed.

Day 2

Sunday 5th June

Mount Aragats

At 8.30am, following breakfast, we left the hotel and were on our way north-westwards towards Mount Aragats. Along the way we passed several small flocks of Rosy Starlings, Eurasian Magpie and numerous Common Swifts. 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), *Thymus kotchyanus*, *Anacamptis coreophora* (Bug Orchid) and *Cerintho minor* (Lesser Honeywort), whilst the birders recorded Common (Steppe) Buzzard, Crested Lark, Eurasian Hoopoe, Western Rock Nuthatch, Northern and Black-eared Wheatears and Bimaculated Lark. Butterflies included Cardinal Fritillary, Large White and Small Copper. As we moved a little higher, we passed *Quercus petraea* subsp. *iberica* (Georgian Oak) and *Veronica multifida* (a Speedwell). We made a second stop as we ascended into the foothills, where a 20-minute pause in an area of mountain steppe produced views of White-throated Robin, Common Whitethroat and Red-backed Shrike. For the botanists there were *Ornithogalum transcaucasicum* (a Star of Bethlehem), *Ajuga orientalis* (Oriental Bugle) and *Orchis mascula* (Early Purple Orchid).

Our final stop of the morning was in the sub-alpine zone where the birders tried, unsuccessfully, to track down Radde's Accentor. They did, however, see Steppe Eagle, Bearded Vulture and Tree Pipit. The botanists added *Primula veris* subsp. *macrocalyx* (a Cowslip), *Solenanthes stamineus* and *Cruciata laevipes* (Crosswort).

We now made the 20-minute drive to Amberd where we took our picnic in boulder-strewn grassland. Red-billed Chough, Barn Swallow and Common Swift were all seen, and we took the opportunity to visit the seventh century church and fortress whilst we were there. Here we found the rare *Allium tripedale*, *Symphytum asperum* (Rough Comfrey) and *Centaurea cheiranthifolia*.

The remainder of our time on Mt. Aragats was devoted to exploring the alpine zone where a fair amount of snow remained. There was not much for the botanists, but we did find *Gagea glacialis* (Glacier Yellow

Star of Bethlehem), *Scilla siberica* subsp. *armena* and *Cerastium purpurescens*. Birds included Horned Lark, Water Pipit, Alpine Accentor, Black Redstart and 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 6th June

Armash Fishponds – Noravank Gorge & Yeghegnadzor:

After breakfast we left the hotel at 8.30am, heading for Armash, which is 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 White Storks, some on nests with young, were seen along the way. On arrival at the Armash Fishponds Little Egret and Western Marsh Harrier were spotted. After entering the site, we drove past two large buildings and parked between two of the lakes, on a dyke. Early sightings were Black-winged Stilt, Black-crowned Night Heron, Grey, Squacco and Purple Herons, Blue-cheeked Bee Eater, European Roller and Menetries Warbler which all showed well. Setting off from the bus, we walked the tracks beside two large ponds. In the marginal reeds, Bearded Reedlings and Great Reed Warbler were active, and European Reed Warbler, White-tailed Lapwing and Cetti's Warbler were calling. As we reached an area of grassland, European Roller was seen, together with one or two Black-headed Yellow Wagtails and Glossy Ibis. On the open water we saw Ferruginous Duck, Red-crested Pochard, Common Pochard, with young, Eurasian Coot 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 1,000 miles from the nearest coast. *Chenopodium glaucum* (Oak-leaved Goosefoot), *Lepidium latifolium* (Dittander), *Cynodon dactylon* (Bermuda Grass), *Sphaerophysa salsula* (Red Bladder-vetch) and *Suaeda maritima* (Sea-blite) were all recorded, as well as Broad-bodied Chaser and Red-veined Darter dragonflies. At this point Hasmik found a pair of the rather scarce Marbled Duck.

We now made our way back to the vehicle for the short journey to the lunch stop, on the south side of the site, under the shade of a solitary *Elaeagnus angustifolia* (Russian Olive). Along the way we saw good numbers of Sand Martins.

After lunch it was time to move on. Having left the fish ponds, we stopped for ice cream before continuing our journey eastwards through Sevakanan. We made a short stop at Areni to visit a local wine producer, before continuing on the Noravank Gorge, where we parked up and continued on foot. The streamside scrub had *Ornithogalum hajastanum* (Armenian Star of Bethlehem), *Celtis australis* subsp. *caucasica* (Caucasian Nettle-tree), *Eremostachys molucelloides* and *Securigera varia* (Crown Vetch). The birders enjoyed views of Eurasian Crag Martins, Red-billed Chough, Eastern Rock Nuthatch nest-building, Common Kestrel and Black-eared Wheatears. This location was particularly rich in butterflies, and Adonis, Common, Eastern Mazarine and Green-underside Blues, Spotted, Cardinal and Glanville Fritillaries, Grizzled, Large Grizzled, Yellow-banded, Essex and Mallow Skippers, and Black-veined White were all recorded. Many of these insects were 'puddling' in damp, muddy areas.

From here, it was only about 10km to our Homestay accommodation in Yeghednazor, where we arrived just after 5pm, to the song of Eurasian Golden Oriole and Common Nightingale, and to be met by Gohar, our host.

Day 4

Tuesday 7th June

South of Mount Gndasar - Gnishik

Nightingale and Golden Oriole were heard this morning as we were getting up, to be on our way at 5am. We travelled 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 Gndasor. We made steady progress to the first stopping point. A period of searching for Caspian Snowcock proved unsuccessful. However, we did record Black-headed Bunting and Common Whitethroat, and we all had superb close views of a pair of Red-fronted Serins.

We now moved even higher to a second location, in a coll below some rather imposing crags, and began to scan. It was not too long before Hasmik traced the regular calls to a solitary Caspian Snowcock on top of a crag in excellent light. Steppe Buzzard, Common Kestrel, Eurasian Crag Martin and Ring Ouzel were all added before a second Snowcock was seen as a silhouette on an adjacent crag. Chukar Partridge and Siberian Stonechat were also seen. Around our feet we found the dying spikes of *Tulipa julia* (a Tulip), *Eremogone (Arenaria) dianthoides* (a Sandwort), *Geranium tuberosum* (Tuberous Crane's-bill) and *Silene spergulifolia* (a Catchfly). Finally, before we descended, we added Long-legged Buzzard.

We now moved back down towards our first stop, on foot and in warm morning sunshine. Butterflies were becoming active with Large White, Eastern Bath White and Green-underside Blue, Dingy Skipper, Clouded Apollo and the local species of Marsh Fritillary were all recorded. Some spectacular flowers were also found, with *Lathyrus miniatus* (a Red Pea), the curious parasite *Diphelypaea tournefortii* and *Trifolium canescens*, among them. We now re-joined our vehicles for the journey back down to a lunch spot, before returning to our accommodation. Here we transferred to our bus.

Our final destination today was among the high, rolling meadows and rocky gorges at Gnishik, south of Yeghadnadzor. Here we left our vehicle at the top of the quiet valley and began to walk down. Skylark, Black-headed Bunting, Common 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*, *Achillea arabica* (Bieberstein's Milfoil), *Rosa hemisphaerica* and *Hypericum scabrum* (a St. John's-wort). Lower down, Common Rock Thrush was seen collecting food, Common Quail was singing, and we had distant views of Golden Oriole. Butterflies included Eastern Bath White, Eastern Dappled White, and Niobe and Dark Green Fritillaries, before it was time to return to Yeghadnadzor for dinner.

Day 5

Wednesday 8th June

Selim Pass & Plateau – Shore of Lake Sevan

After breakfast, we left the Homestay accommodation, bidding farewell to Gohar, and were soon on our way northwards towards the Selim Pass and plateau. Along the way we saw European Bee-eater, Syrian Woodpecker and Siberian Stonechat.

Our first stop was on the twisting road that leads to the Selim Pass, at the Caravanserai, the resting place of travellers on the Silk Road in medieval times. While here we found Tree Pipit, Whinchat and Common Rosefinch, and Rock Sparrows which were nesting in the walls of the ancient building. Meanwhile, along the roadside, there was a splendid spike of *Dactylorhiza umbrosa*, as well as numerous Roman Snails, very pleased with the inclement weather.

Moving on, we soon reached the wide Selim Plateau, an extensive area of wet meadows and streams which 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 Wagtails, Common Sandpiper and a pair of Long-legged Buzzard.

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 views of Cetti's Warbler, Marsh Warbler and Willow Warbler. 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 *Buglossoides arvensis* (Corn Gromwell) were all found. Here, birds included Tufted Duck, Little Grebe, Western Cattle Egret, Western Marsh Harrier, Little Bittern, Great Cormorant, Ruddy Shelduck, Ferruginous Duck and three Eurasian Bitterns. However, the spectacle 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', on 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, Gull-billed Tern, 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, before we arrived at the rather grand Dilijan Resort Hotel. The weather took a turn for the worse, and we travelled through a torrential hail storm. Upon arrival, we went to our rooms to freshen up before dinner.

Day 6

Thursday 9th June

Parz Lich Forest - Haghartsin Forest & the Sevan Pass

An early bird walk around the hotel grounds produced Semi-collared Flycatcher, Green Warbler and Eurasian Bullfinch.

After breakfast at 8am, we were ready to leave by 9am for the 15-minute drive to an area of broadleaved woodland at Parz Lich, where the forest produced *Quercus macranthera* (Caucasian Oak) and *Zelkova (Ulmus) carpinifolia* (Caucasian Elm). As we left our vehicle, we immediately found Middle Spotted Woodpecker, Eurasian Treecreeper and a pair of Persian Squirrels. Further on up the track, the woodland had Coal Tit, Common Chaffinch and Green Warbler for the birders, and for the botanists, *Dactylorhiza*

urvilleana, *Fagus orientalis* (Oriental Beech), *Bunias orientalis* (Warty Cabbage), *Campanula latifolia* (Giant Bellflower), *Cardamine impatiens* (Cut-leaved Bitter-cress) and *Cephalanthera damasonium* (White Helleborine).

Moving on, we made the short journey to the wooded valley of Haghartsin and spent time exploring the woodland. Bird highlights included Red-breasted Flycatcher, Great Spotted Woodpecker, and Coal Tit. The botanists added a number of orchid species, including *Platanthera chlorantha* (Greater Butterfly Orchid), emerging *Cephalanthera rubra* (Red Helleborine) and *Platanthera bifolia* (Lesser Butterfly Orchid). It had now begun to rain quite heavily, so we made the short hop to the Haghartsin Church, which group members chose to visit. Plants by the roadside included the curious *Rhynchospora orientalis* and *Gypsophila elegans* (Gypsophila), and in the church grounds we saw *Asplenium trichomanes* (Maidenhair Spleenwort) and *Asplenium ruta-muraria* (Wall Rue).

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, near the village of Semyonovka. The wonderful meadows produced *Anemone narcissiflora* subsp. *fasciculata*, the leaves of *Trollius ranunculinus* (a Globeflower), *Veronica gentianoides* (Gentian-like Speedwell) and *Pedicularis condensata* (Condensed Lousewort). Here, we also recorded Green-veined White; the birders had Long-legged Buzzard, Corn Bunting, Common Rosefinch and Mountain Chiffchaff, and they heard Common Quail.

We now returned to the hotel in time for dinner.

Day 7

Friday 10th June

Pambak Mountain Ridge – Travel to Yerevan

All group members joined Hasmik and Paul on an early morning excursion to try to see Caucasian Grouse. We left the hotel at 5am, following a very heavy downpour, to make the journey in 4x4 vehicles to an isolated mountain top west of Dilijan. The track up this remote mountain was very uneven and stony. After a little over an hour we arrived just below the summit, c.2,600 metres above sea level, in clearing skies. Very soon, scanning of the distant mountainside produced a pair of Caucasian Grouse, and scoped views were had by all. Common Buzzard, Common Rosefinch, Water Pipit, Rosy Starling and a third Grouse, were also spotted. The experience of eating breakfast on high mountain top, whilst listening to Tree Pipits and Water Pipits, and surrounded by beautiful flowers, was magical. For the botanists, the highlights were *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 herders taking their cattle to the high grazing pastures. A brief pause on the downward journey added, *Corallorhiza trifida* (Coralroot Orchid) and *Gymnadenia conopsea* (Fragrant Orchid). We took our lunch at a new picnic site at the bottom of the track, before making our way back to Dilijan to collect our luggage and starting the journey back to Yerevan. We arrived at the Hradzan Hotel in good time to freshen up before going out to dinner at a local restaurant.

Day 8

Saturday 11th June

Near Hatsavan – Garni

After breakfast, we set off south-eastwards towards Garni, tuning off right after about 40 minutes in the direction of Artashat, stopping in the vicinity of Hatsavan, an area of semi-desert in the direction of the Azet Reservoir. As we approached our destination, a solitary Egyptian Vulture was spotted. Leaving our vehicle to explore the track alongside some new fruit tree plantations, we came upon a good number of *Centaurea moschata* (Sweet Sultan), *Glaucium elegans*, *Lappula squarrosa* (Bur Forget-me-not), *Senecio caucasicus* (Caucasian Ragwort), *Caccinia macranthera* and *Consolida divaricata* (a Larkspur). Meanwhile, the birders found Isabelline Wheatear and Black-eared Wheatears as well. Added to these were Rufous Bush Robin, Upcher's Warbler, and Pale Rockfinch (also known as Pale Rock Sparrow). Butterflies included Powdered Brimstone, Cardinal Fritillary, Eastern Brown Argus, Common Blue, Marbled White and Eastern Dappled White. As we were making our way back to the vehicle, the workers at the fruit plantation offered us local coffee.

It was now time to make our way into the small town of Garni, where lunch was taken in a local restaurant. On our arrival, 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 and barbecued fish, we re-joined our vehicle for the short drive to visit to the last remaining example of a Pagan Temple in Armenia, this one dedicated to the god Mihr. Whilst there, we recorded Crag Martin, Common Kestrel and Common House Martin. In addition there were a good number of Cardinal Fritillaries.

We now drove the 15 minutes to the Geghard Monastery. However, it was extremely busy with local and tourist visitors, so our leaders decided to try our luck elsewhere. Another dry, roadside track produced *Gundelia tournefortii*, *Chardinia orientalis*, *Cirsium congestum* (Congested Thistle) and *Helichrysum armenium* (Armenian Everlasting). Unfortunately, there were no new species for the birders. It was now time to make our way back to Yerevan. Dinner tonight was in another restaurant, not too far from our hotel, where we enjoyed some traditional Armenian music and singing.

Day 9

Sunday 12th 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 the Yerevan Botanic Gardens. In the short time we had there we saw Whitethroat, Hooded Crow, Levant Sparrowhawk, and Eurasian Hoopoe. 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. Before leaving, we said goodbye to Susan and Beven, who were staying on in Yerevan for a couple of days before returning to Australia. At the Airport, we checked in for Aeroflot flight SU1861 to Moscow, and said goodbye to Edik and Hasmik. 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 (* indicates a plant is endemic)

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.

Scientific name	Common name	Location
PTERIDOPHYTES		
FERNS & ALLIES		
Leptosporangiate Ferns		
True Ferns		
Aspleniaceae		
<i>Asplenium ruta-muraria</i>	Wall Rue	Haghartsin
<i>Asplenium scolopendrium</i>	Hart's-tongue Fern	Haghartsin
<i>Asplenium trichomanes</i> agg.	Maidenhair Spleenwort	Haghartsin
Athyriaceae		
<i>Athyrium filix-femina</i>	Lady-fern	Pambak Ridge
Cystopteridaceae		
<i>Cystopteris fragilis</i>	Brittle Bladder-fern	Amberd
GYMNOSPERMS		
CONIFERS		
Cupressaceae		
<i>Juniperus depressus</i>	a Juniper	Above Byurkan
Ephedraceae		
<i>Ephedra procera</i>	Joint Pine	Norovank Gorge
Pinaceae		
<i>Pinus sylvestris</i> var. <i>hamata</i> (<i>P. kochiana</i>)	Koch's Pine	Haghartsin
ANGIOSPERMS		
FLOWERING PLANTS		
Eu-Dicots		
True Dicotyledons		
Adoxaceae		
<i>Sambucus ebulus</i>	Danewort	Parz Lich Forest
<i>Sambucus nigra</i>	Elderberry	Parz Lich Forest
<i>Viburnum lantana</i>	Wayfaring Tree	Above Byurkan
Amaranthaceae		
<i>Chenopodium glaucum</i>	Oak-leaved Goosefoot	Arماش Fishponds
<i>Suaeda maritima</i>	Sea-blite	Arماش Fishponds
<i>Suaeda vera</i>	Shrubby Sea-blite	Arماش Fishponds
Anacardiaceae		
<i>Pistacia atlantica</i> (<i>P. mutica</i>)	Mount Atlas Mastic Tree	Norovank Gorge

Scientific name	Common name	Location
Apiaceae		
<i>Anthriscus sylvestris</i>	Cow Parsley	Amberd
<i>Chaerophyllum temulum</i>	Chervil	Parz Lich
<i>Chamaescidium acaule</i>	-	Pambak Ridge
<i>Foeniculum vulgare</i>	Fennel	
<i>Heracleum mantegazzianum</i>	Giant Hogweed	Mount Gndasar
<i>Prangos ferulacea</i>	-	Amberd
<i>Sanicula europaea</i>	Sanicle	Haghartsin
Betulaceae		
<i>Betula pendula</i> subsp. <i>pendula</i> (<i>B. verrucosa</i>)	Birch	Pambak Ridge
<i>Carpinus orientalis</i>	Oriental Hornbeam	Parz Lish
<i>Corylus avellana</i>	Hazel	Haghartsin
Boraginaceae		
<i>Anchusa arvensis</i>	Bugloss	Near Lichk
<i>Anchusa azurea</i>	Large Blue Alkanet	Above Byurkan
<i>Cerinth minor</i>	Lesser Honeywort	Above Byurkan
<i>Cynoglossum officinale</i>	Hound's-tongue	Near Lichk
<i>Echium vulgare</i>	Viper's-bugloss	Haghartsin
<i>Lappula squarrosa</i>	Bur Forget-me-not	Near Lichk
<i>Buglossoides arvensis</i> (<i>Lithospermum arvense</i>)	Corn Gromwell	Amberd junction
<i>Myosotis alpestris</i>	Alpine Forget-me-not	Below Lake Kari
<i>Nonea polychroma</i>	-	Near Lichk
<i>Onosma microcarpum</i>	a Golden Drops	Above Byurkan
<i>Onosma sericeum</i>	a Golden Drops	Mount Gndasar
<i>Solenanthes stamineus</i>	-	Amberd Junction
<i>Symphytum asperum</i>	Rough Comfrey	Amberd Junction
Brassicaceae		
<i>Arabis turrata</i>	Tower Cress	Parz Lich
<i>Barbarea minor</i>	-	Mount Gndasar
<i>Bunias orientalis</i>	Warty Cabbage	Mount Gndasar
<i>Capsella bursa-pastoris</i>	Shepherd's Purse	Above Byurkan
<i>Cardamine impatiens</i>	Cut-leaved Bitter-cress	Parz Lich
<i>Cardamine uliginosa</i>	-	Selim Plateau
<i>Clypeola jonthlaspi</i>	Clypeola	Near Lichk
<i>Nasturtium officinale</i>	Watercress	Lake Sevan
<i>Sisymbrium loeselii</i>	False London Rocket	Near Lichk
Campanulaceae		
<i>Campanula latifolia</i>	Giant Bellflower	Parz Lich
<i>Campanula trachelium</i>	Nettle-leaved Bellflower	Haghartsin
<i>Campanula tridentata</i>	-	Pambak Ridge
<i>Michauxia laevigata</i>	-	Gnishik
Capparaceae		
<i>Capparis spinosa</i>	Caper	Yerevan
Caprifoliaceae		
<i>Cephalaria gigantea</i>	-	Norovank Gorge

Scientific name	Common name	Location
Caryophyllaceae		
<i>Cerastium fontanum</i> agg.	Common Mouse-ear	Below Lake Kari
<i>Dianthus orientalis</i>	Oriental Pink	Selim Plateau
<i>Eremogone (Arenaria) dianthoides</i>	-	Amberd
<i>Eremogone (Arenaria) gypsophiloides</i>	-	Haghartsin
<i>Herniaria glabra</i>	Smooth Rupturewort	Near Lichk
<i>Paronychia kurdica</i>	-	Above Byrukan
<i>Silene chlorifolia</i>	-	Amberd Junction
<i>Silene dichotoma</i>	Branched Catchfly	Haghartsin
<i>Silene italica</i>	Italian Catchfly	Selim Plateau
<i>Silene ruprechtii</i>	Ruprecht's Catchfly	Mount Gndasar
Compositae (Asteraceae)		
<i>Achillea arabica (A. biebersteinii)</i>	Bieberstein's Milfoil	Above Byrukan
<i>Achillea millefolium</i>	-	Near Lichk
<i>Artemisia fragrans</i>	-	Amberd
<i>Centaurea depressa (blue)</i>	-	Hatsavan
<i>Centaurea moschata (pink)</i>	Sweet Sultan	Hatsavan
<i>Centaurea solstitialis</i>	Yellow Star Thistle	Hatsavan
<i>Centaurea spectabilis (Yellow)</i>	-	Near Garni
<i>Chardinia orientalis</i>	-	Hatsavan
<i>Cirsium obvallatum</i>	-	Hatsavan
<i>Cousinia fedorovii</i>	-	Above Byrukan
<i>Coursinia vulgaris</i>	-	Pambak Ridge
<i>Doronicum macrophyllum</i>	a Leopard's-bane	Mount Gndasar
<i>Erigeron caucasicus</i> subsp. <i>venustus</i>	-	Above Byrukan
<i>Gundelia aragatsi</i> *	-	Near Garni
<i>Gundelia tournefortii</i>	-	Near Lichk
<i>Helichrysum armenium</i>	Armenian Everlasting	Mount Gndasar
<i>Inula helenium</i>	Elecampane	Below Lake Kari
<i>Leucanthemum vulgare</i>	Oxeye Daisy	Roadsides
<i>Onopordum acanthium</i>	Cotton Thistle	Pambak Ridge
<i>Scorzonera</i> sp.	-	Hatsavan
<i>Serratula coriacea</i>	-	Above Byrukan
<i>Tanacetum aureum (T. chiliophyllum)</i>	-	Lake Sevan
<i>Taraxacum stevenii</i>	-	Parz Lich
<i>Tragopogon coloratus</i>	-	Mount Gndasar
Convolvulaceae		
<i>Calystegia serpium</i>	Hedge Bindweed	Arماش Fishponds
Crassulaceae		
<i>Rosularia sempervivum</i> subsp. <i>sempervivum</i>	-	Mount Gndasar (leaves)
<i>Sedum hispanicum</i>	-	Above Byrukan
Cucurbitaceae		
<i>Bryonia dioica</i>	White Bryony	Near Lichk
Elaeagnaceae		
<i>Elaeagnus angustifolia</i>	Russian Olive	Arماش Fishponds
<i>Hippophae rhamnoides</i>	Sea-buckthorn	Near Lichk

Scientific name	Common name	Location
Ericaceae		
<i>Pyrola minor</i>	Common Wintergreen	Pambak Ridge
<i>Rhododendron caucasicum</i>	-	Pambak Ridge
<i>Vaccinium myrtillus</i>	Bilberry	Pambak Ridge
Euphorbiaceae		
<i>Euphorbia marschalliana</i>	-	Amberd
<i>Euphorbia oblongata</i>	-	
Fagaceae		
<i>Fagus orientalis</i>	Oriental Beech	Parz Lich
<i>Quercus petraea</i> subsp. <i>iberica</i>	Georgian Oak	Above Byrukan
<i>Quercus macranthera</i>	Caucasian Oak	Parz Lich
Gentianaceae		
<i>Gentiana pontica</i>	Pontic Gentian	Pambak Ridge
<i>Gentiana pyrenaica</i>	Pyrenean Gentian	Pambak Ridge
Geraniaceae		
<i>Erodium absinthoides</i> subsp. <i>armenum</i>	Armenian Stork's-bill	Amberd Junction
<i>Erodium cicutarium</i>	Common Stork's-bill	Hatsavan
<i>Geranium c.f. molle</i>	Dove's-foot Crane's-bill	Amberd
<i>Geranium pyrenaicum</i>	Hedgerow Crane's-bill	Parz Lich
<i>Geranium sylvaticum</i>	Wood Crane's-bill	Mount Gndasar
Hippuridaceae		
<i>Hippuris vulgaris</i>	Mare's-tail	Selim Plateau
Hypericaceae		
<i>Hypericum formosissimum</i>	-	Above Byrukan
<i>Hypericum hyssopifolium</i>	Hyssop-leaved St. John's-wort	Gnishik
Juglandaceae		
[<i>Juglans regia</i>]	Walnut	Planted
Lamiaceae		
<i>Ajuga chia</i>	-	Gnishik
<i>Ajuga orientalis</i>	Oriental Bugle	Above Byrukan
<i>Dracocephalum multicaule</i>	-	Gnishik
<i>Eremostachys molucelloides</i> (ssp. <i>macrophylla</i>)	-	Norovank Gorge
<i>Lallemantia iberica</i>	-	Gnishik
<i>Lamium album</i>	White Deadnettle	Amberd
<i>Salvia limbata</i>	-	Mount Gndasar
<i>Salvia nemorosa</i> (S. <i>staminea</i> subsp. <i>armena</i>)	-	Above Byrukan
<i>Salvia sclarea</i>	-	Gnishik
<i>Scutellaria orientalis</i>	Oriental Skullcap	Above Byrukan
<i>Stachys inflata</i>	-	Gnishik
<i>Stachys recta</i>	Yellow Woundwort	Gnishik
<i>Teucrium orientale</i>	Oriental Germander	Above Byrukan
Leguminosae (Fabaceae)		
<i>Alhagi pseudalhagi</i>	Camelthorn	Armash Fishponds

Scientific name	Common name	Location
<i>Astragalus fragrans</i>	-	Above Byrukan
<i>Astragalus glycyphyllus</i>	Wild Liquorice	Parz Lich
<i>Glycyrrhiza glabra</i>	Liquorice	Above Byrukan
<i>Lathyrus miniatus</i>	-	Mount Gndasar
<i>Lathyrus pratensis</i>	Meadow Vetchling	Parz Lich (leaves)
<i>Medicago lupulina</i>	Black Medick	Near Lichk
<i>Medicago sativa</i>	Lucerne	Gnishik
<i>Melilotus altissimus</i>	Tall Melilot	Arماش Fishponds
<i>Onobrychis arenaria</i>	-	Above Byrukan
<i>Onobrychis cornuta</i>	-	Gnishik
<i>Onobrychis michauxii</i>	-	Gnishik
<i>Onobrychis radiata</i>	-	Gnishik
[<i>Robinia pseudacacia</i>]	False Acacia	Near Lichk
<i>Securigera varia</i>	Crown Vetch	Mount Gndasar
<i>Sphaerophysa salsula</i>	Red Bladder-vetch	Arماش fishponds
<i>Sophora alopecurioides</i>	Sophora	Gnishik
<i>Trifolium arvense</i>	Hare's-foot Clover	Above Byrukan
<i>Trifolium canescens</i>	-	Mount Gndasar
<i>Trifolium hybridum</i>	Alsike Clover	Gnishik
<i>Trifolium repens</i>	White Clover	Above Byrukan
<i>Vicia balansae</i>	Balan's Vetch	Mount Gndasar
Linaceae	Flax Family	
<i>Linum catharticum</i>	Purging Flax	Near Lichk
<i>Linum perenne</i> agg.	Perennial Flax	Mount Gndasar
Malvaceae	Mallow Family	
<i>Malva neglecta</i>	Dwarf Mallow	Norovank Gorge
Oleaceae	Olive Family	
<i>Fraxinus excelsior</i>	Ash	Mount Gndasar
Orobanchaceae	Broomrape Family	
<i>Diphelypaea (Phelypaea) tournefortii</i>	-	Mount Gndasar
<i>Orobanche ramosa</i>	Branched Broomrape	Hatsavan
<i>Pedicularis armena</i>	Armenian Lousewort	Below lake Kari
<i>Pedicularis condensata</i>	Condensed Lousewort	Sevan Pass
<i>Pedicularis sibthorpii</i>	Sibthorp's Lousewort	Amberd
<i>Pedicularis wilhelmsiana</i>	Wilhelm's Lousewort	Selim Plateau
<i>Rhinanthus minor</i> agg.	Rattle	Pambak Ridge
<i>Rhynchocorys orientalis</i>	-	Parz Lich
Papaveraceae	Poppy Family	
<i>Chelidonium majus</i>	Greater Celandine	Haghartsin
<i>Fumaria officinalis</i>	Common Fumitory	Haghartsin
<i>Glaucium elegans</i>	-	Hatsavan
<i>Papaver bracteatum</i>	-	Mount Gndasar
<i>Papaver dubium</i>	Long-headed Poppy	Hatsavan
<i>Papaver fugax</i>	-	Near Lichk
<i>Papaver macrostomum</i>	-	Hatsavan
<i>Papaver rhoeas (P. commutatum)</i>	Common Poppy	Amberd Junction

Scientific name	Common name	Location
Plantaginaceae		
Plantain Family		
<i>Plantago bellardii</i>	-	Below Lake kari
<i>Plantago lanceolata</i>	Ribwort Plantain	Amberd
<i>Veronica anagallis-aquatica</i>	Blue Water Speedwell	Sevan Pass
<i>Veronica arvensis</i>	Wall Speedwell	Near Lichk
<i>Veronica chamaedrys</i>	Germander Speedwell	Selim Pass
<i>Veronica gentianoides</i>	Gentian-like Speedwell	Selim Plateau
<i>Veronica multifida</i>	Many-lobed Speedwell	Above Byrukan
Polygalaceae		
Milkwort Family		
<i>Polygala alpicola</i>	-	Pambak Ridge
<i>Polygala transcaucasica</i>	-	Mount Gndasar
Polygonaceae		
Knotweed Family		
<i>Fallopia convolvulus</i>	Black Bindweed	Haghatsin
<i>Persicaria bistorta</i>	Bistort	Selim Plateau
<i>Persicaria maculata</i>	Redshank	Arماش Fishponds
<i>Polygonum cognatum (P. alpestre)</i>	Alpine Knotgrass	Above Byrukan
<i>Polygonum cognatum (P. alpestre)</i>	-	Above Byrukan
<i>Polygonum patulum</i>	-	Arماش Fishponds
<i>Rumex alpinus</i>	Monk's Rhubarb	Selim Plateau
Primulaceae		
Primrose Family		
<i>Glaux maritima</i>	Sea Milkwort	Near Lichk
<i>Primula algida</i>	-	Selim Plateau
<i>Primula auriculata</i>	a Bird's-eye Primrose	Pambak Ridge
<i>Primula ruprechtii</i>	Ruprecht's Primrose	Amberd Junction
<i>Primula veris</i> subsp. <i>macrocalyx</i>	-	
Ranunculaceae		
Buttercup Family		
<i>Adonis annua</i>	Pheasant's-eye	Amberd Junction
<i>Anemone narcissiflora</i> subsp. <i>fasciculata</i>	-	Sevan Pass
<i>Caltha palustris (C. polypetala)</i>	a Marsh Marigold	Selim Plateau
<i>Consolida divaricata</i>	-	Hatsavan
<i>Ranunculus acris</i>	Meadow Buttercup	Parz Lich
<i>Ranunculus arvensis</i>	Corn Buttercup	Above Byrukan
<i>Thalictrum minus</i>	Lesser Meadow-rue	Mount Gndasar
<i>Trollius ranunculinus (T. patulus)</i>	a Globeflower	Pambak Ridge
Rosaceae		
Rose Family		
<i>Alchemilla alpina</i>	Alpine Lady's-mantle	Selim Plateau
<i>Geum rivale</i>	Water Avens	Selim Pass
<i>Geum urbanum</i>	Wood Avens	Selim Pass
<i>Potentilla anserina</i>	Silverweed	Near Lichk
<i>Potentilla crantzii</i>	Alpine Cinquefoil	Below Lake Kari
<i>Potentilla hirta</i>	Hairy Cinquefoil	Above Byrukan
<i>Potentilla recta</i>	Sulphur Cinquefoil	Mount Gndasar
<i>Poterum sanguisorba</i> subsp. <i>balearicum</i>	Fodder Burnet	Above Byrukan
<i>Prunus incana (P. cerasus)</i>	-	Norovank Gorge
<i>Rosa hemisphaerica</i>	a Yellow Rose	Gnishik
<i>Rubus idaeus</i>	Raspberry	Norovank Gorge
<i>Sibbaldia parviflora</i>	Sibbaldia	Pambak Ridge

Scientific name	Common name	Location
<i>Sorbus aucuparia</i>	Rowan or Mountain Ash	Pambak Ridge
<i>Spiraea hypericifolia</i>	-	Amberd
Rubiaceae	Bedstraw Family	
<i>Cruciata laevipes</i>	Crosswort	Above Byrukan
<i>Galium aparine</i>	Cleavers	Parz Lich
<i>Galium odoratum</i>	Woodruff	Parz Lich
<i>Galium c.f. verum</i>	Lady's Bedstraw	Near Garni
Salicaceae	Willow Family	
<i>Salix caprea</i>	Goat Willow	Sevan Pass
Sapindaceae	Maple Family	
<i>Acer campestre</i>	Field Maple	Parz Lich
<i>Acer monspessulanum</i> subsp. <i>ibericum</i>	-	Mount Gndasar
<i>Acer platanoides</i>	Norway Maple	Parz Lich
<i>Acer pseudoplatanus</i>	Sycamore	Parz Lich
<i>Acer heldreichii</i> subsp. <i>trautvetteri</i>	Trautvetter's Maple	Sevan Pass
Scrophulariaceae	Figwort Family	
<i>Verbascum speciosum</i>	-	Mount Gndasar
Solanaceae	Nightshade Family	
<i>Hyoscyamus nigra</i>	Henbane	Norovank Gorge
Tamaricaceae	Tamarisk Family	
<i>Tamarix octandra</i>	-	Armash Fishponds
Thymelaeaceae	Mezereon Family	
<i>Daphne oleoides</i> subsp. <i>transcaucasica</i>	-	Pambak Ridge
Ulmaceae	Elm family	
<i>Zelkova carpinifolia</i> (<i>Ulmus carpinifolia</i>)	Caucasian Elm	Gnishik
Urticaceae	Nettle Family	
<i>Parietaria elliptica</i>	-	Near Garni
<i>Parietaria judaica</i>	Pellitory-of-the-Wall	Near Garni
<i>Urtica dioica</i> subsp. <i>dioica</i>	Common Nettle	Amberd Junction
Valerianaceae	Valerian Family	
<i>Valeriana officinalis</i>	Common Valerian	Amberd
<i>Valeriana ovalifolia</i>	-	Amberd
Violaceae	Violet Family	
<i>Viola ignobilis</i>	-	Pambak Ridge
Zygophyllaceae	Zygophyllum Family	
<i>Zygophyllum fabago</i>	Syrian Bean-caper	Yerevan

Scientific name	Common name	Location
Monocots		
Monocotyledons		
Amaryllidaceae	Daffodil Family	
<i>Allium rubellum</i>	-	Above Byrukan
<i>Allium tripedale</i> (<i>Nectaroscordum tripedale</i>)	-	Amberd
<i>Allium victorialis</i>	Mountain Leek	
Asparagaceae	Asparagus Family	
<i>Bellevalia paradoxa</i> (<i>P. pycnantha</i>)	-	Pambak Ridge
<i>Leopoldia caucasica</i> (<i>Muscari caucasicum</i>)	Leopoldia	Above Byrukan
<i>Ornithogalum hajastanum</i>	Armenian Star of Bethlehem	Above Byrukan
<i>Ornithogalum transcaucasicum</i>	-	Amberd Junction
<i>Polygonatum multiflorum</i>	Solomon's-seal	Haghartsin
<i>Scilla siberica</i> subsp. <i>armena</i>	Armenian Squill	Below Lake Kari
Cyperaceae	Sedge Family	
<i>Bolboschoenus maritimus</i>	Sea Clubrush	Armash Fishponds
<i>Carex sylvatica</i>	Wood Sedge	Parz Lich
<i>Eleocharis palustris</i>	Common Spike-rush	Selim Plateau
Iridaceae	Iris Family	
<i>Gladiolus atroviolaceus</i>	-	Above Byrukan
Liliaceae	Lily Family	
<i>Fritillaria collina</i>	-	Pambak Ridge
<i>Gagea glacialis</i>	Glacier Star of Bethlehem	Below Lake Kari
<i>Lilium armenaicum</i>	Amenian Lily	Sevan Pass (leaves)
<i>Tulipa julia</i>	-	Mount Gndasar (over)
Melanthiaceae	Herb-Paris Family	
<i>Veratrum lobelianum</i>	Green False Helleborine	Sevan Pass
Orchidaceae	Orchid Family	
<i>Anacamptis</i> (<i>Orchis</i>) <i>coriophora</i>	Bug Orchid	Above Byrukan
<i>Cephalanthera damasonium</i>	White Helleborine	Parz Lich
<i>Coralorrhiza trifida</i>	Coralroot Orchid	Below the Pambak Ridge
<i>Dactylorhiza euxina</i>	a Marsh Orchid	Selim Plateau
<i>Dactylorhiza umbrosa</i> (<i>D. sanasunitensis</i>)	-	Mount Gndasar
<i>Dactylorhiza urvilleana</i>	-	Parz Lich
<i>Gymnadenia conopsea</i> subsp. <i>conopsea</i>	Fragrant Orchid	Below the Pambak Ridge
<i>Orchis mascula</i>	Early Purple Orchid	Above Byrukan
<i>Platanthera bifolia</i>	Lesser Butterfly Orchid	Haghartsin
<i>Platanthera chlorantha</i>	Greater Butterfly Orchid	Haghartsin
Poaceae	Grass Family	
<i>Aegilops cylindrica</i>	Jointed Goat-grass	Hatsavan
<i>Agropyrum cristatum</i>	-	Pambak Ridge
<i>Anisantha sterilis</i>	Barren Brome	Armash Fishponds
<i>Bromus danthoniae</i>	-	Armash Fishponds
<i>Cynodon dactylon</i>	Bermuda Grass	Armash Fishponds
<i>Hordeum marinum</i>	Sea Barley	Armash Fishponds
<i>Hordeum murinum</i>	Wall Barley	Gnishik

Scientific name	Common name	Location
<i>Phragmites australis</i>	Common Reed	Pambak Ridge
<i>Poa alpina</i>	Alpine Meadow-grass	Mount Gndasar
<i>Polypogon viridis</i>	Water Bent	Armash Fishponds
<i>Stipa pulcherrima</i>	a Feather-grass	Gnishik
<i>Stipa tirsia</i>	Horsetail Feather-grass	Armash Fishponds
Xanthorrhoeaceae		
<i>Eremurus spectabilis</i>	Yellow Foxtail Lily	Amberd

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

	Common name	Scientific name	June									
			5	6	7	8	9	10	11	12		
1	Ruddy Shelduck	<i>Tadorna ferruginea</i>				✓						
2	Gadwall	<i>Anas strepera</i>		✓		✓						
3	Mallard	<i>Anas platyrhynchos</i>				✓						
4	Marbled Duck	<i>Marmaronetta angustirostris</i>		✓								
5	Red-crested Pochard	<i>Netta rufina</i>		✓								
6	Common Pochard	<i>Aythya ferina</i>		✓		✓						
7	Ferruginous Duck	<i>Aythya nyroca</i>		✓		✓						
8	Tufted Duck	<i>Aythya fuligula</i>				✓						
9	Caucasian Grouse	<i>Lyrurus mlokosiewiczii</i>							✓			
10	Caspian Snowcock	<i>Tetraogallus caspius</i>			✓							
11	Chukar Partridge	<i>Alectoris chukar</i>			✓							
12	Common Quail	<i>Coturnix coturnix</i>			H		H					
13	Little Grebe	<i>Tachybaptus ruficollis</i>		✓		✓						
14	Great Crested Grebe	<i>Podiceps cristatus</i>		✓		✓						
15	Black-necked Grebe	<i>Podiceps nigricollis</i>				✓						
16	White Stork	<i>Ciconia ciconia</i>		✓	✓	✓						
17	Glossy Ibis	<i>Plegadis falcinellus</i>		✓								
18	Eurasian Bittern	<i>Botaurus stellaris</i>				✓						
19	Little Bittern	<i>Ixobrychus minutus</i>				✓						
20	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>		✓		✓						
21	Squacco Heron	<i>Ardeola ralloides</i>		✓		✓						
22	Western Cattle Egret	<i>Bubulcus ibis</i>				✓						
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	Bearded Vulture	<i>Gypaetus barbatus</i>	✓		✓							
29	Egyptian Vulture	<i>Neophron percnopterus</i>								✓		
30	Short-toed Snake Eagle	<i>Circaetus gallicus</i>			✓							
31	Lesser Spotted Eagle	<i>Aquila pomarina</i>	✓									
32	Booted Eagle	<i>Hieraetus pennatus</i>	✓		✓							
33	Levant Sparrowhawk	<i>Accipiter brevipes</i>									✓	
34	Western Marsh Harrier	<i>Circus aeruginosus</i>		✓		✓						
35	Long-legged Buzzard	<i>Buteo rufinus</i>			✓	✓	✓			✓		
36	Common Buzzard	<i>Buteo buteo</i>	✓		✓		✓	✓				
37	Eurasian Coot	<i>Fulica atra</i>		✓		✓						
38	Black-winged Stilt	<i>Himantopus himantopus</i>		✓								

	Common name	Scientific name	June								
			5	6	7	8	9	10	11	12	
39	White-tailed Lapwing	<i>Vanellus leucurus</i>		✓							
40	Spotted Redshank	<i>Tringa erythropus</i>		✓							
41	Common Redshank	<i>Tringa totanus</i>					H				
42	Common Sandpiper	<i>Actitis hypoleucos</i>					✓				
43	Collared Pratincole	<i>Glareola pratincola</i>		✓							
44	Caspian Gull	<i>Larus cachinnans</i>		✓							
45	Armenian Gull	<i>Larus armenicus</i>					✓	✓	✓	✓	
46	Gull-billed Tern	<i>Gelochelidon nilotica</i>					✓				
47	Little Tern	<i>Sternula albifrons</i>		✓							
48	Whiskered Tern	<i>Chlidonias hybrida</i>		✓							
49	Rock Dove [Feral]	<i>Columba livia Feral</i>	✓	✓	✓	✓			✓	✓	✓
50	Common Wood Pigeon	<i>Columba palumbus</i>		✓	✓	✓	✓	✓	✓		
51	Common Cuckoo	<i>Cuculus canorus</i>	H	✓	H	H	H	H	✓	H	
52	Eurasian Scops Owl	<i>Otus scops</i>		H	H	H					
53	Alpine Swift	<i>Tachymartus melba</i>	✓		✓					✓	
54	Common Swift	<i>Apus apus</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
55	European Roller	<i>Coracias garrulus</i>		✓							
56	Blue-cheeked Bee-eater	<i>Merops persicus</i>		✓							
57	European Bee-eater	<i>Merops apiaster</i>					LO			✓	
58	Eurasian Hoopoe	<i>Upupa epops</i>	✓	✓			✓			✓	✓
59	Middle Spotted Woodpecker	<i>Dendrocopos medius</i>						✓			
60	Syrian Woodpecker	<i>Dendrocopos syriacus</i>	✓	✓			✓				✓
61	Great Spotted Woodpecker	<i>Dendrocopos major</i>					✓	✓			
62	Common Kestrel	<i>Falco tinnunculus</i>		✓	✓	✓				✓	
63	Peregrine Falcon	<i>Falco peregrinus</i>								✓	
64	Red-backed Shrike	<i>Lanius collurio</i>	✓		✓	✓	✓	✓	✓		
65	Lesser Grey Shrike	<i>Lanius minor</i>	✓							✓	
66	Eurasian Golden Oriole	<i>Oriolus oriolus</i>		H	✓	H					
67	Eurasian Jay	<i>Garrulus glandarius</i>			✓			✓	✓		
68	Eurasian Magpie	<i>Pica pica</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
69	Red-billed Chough	<i>Pyrrhocorax pyrrhocorax</i>	✓	✓	✓					✓	
70	Western Jackdaw	<i>Corvus monedula</i>		✓	✓					✓	✓
71	Hooded Crow	<i>Corvus cornix</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
72	Northern Raven	<i>Corvus corax</i>			✓	✓					
73	Coal Tit	<i>Parus ater</i>						✓	✓		
74	Eurasian Blue Tit	<i>Cyanistes caeruleus</i>	✓					✓			H
75	Great Tit	<i>Parus major</i>	✓	H	H	✓	✓	✓			H
76	Bearded Reedling	<i>Panurus biarmicus</i>		✓							
77	Woodlark	<i>Lullula arborea</i>	✓								
78	Eurasian Skylark	<i>Alauda arvensis</i>	✓		✓	✓	✓			H	
79	Crested Lark	<i>Galerida cristata</i>	✓	✓						✓	
80	Bimaculated Lark	<i>Melanocorypha bimaculata</i>	✓								
81	Horned Lark	<i>Eremophila alpestris pencillata</i>	✓								
82	Lesser Short-toed Lark	<i>Calandrella rufescens pseudobaetica</i>		✓							
83	Sand Martin	<i>Riparia riparia</i>	✓	✓			✓		✓		
84	Barn Swallow	<i>Hirundo rustica</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
85	Eurasian Crag Martin	<i>Ptyonoprogne rupestris</i>	✓	✓	✓					✓	
86	Common House Martin	<i>Delichon urbicum</i>								✓	
87	Cetti's Warbler	<i>Cettia cetti</i>		H	H	✓					
88	Willow Warbler	<i>Phylloscopus trochilus</i>					✓				

	Common name	Scientific name	June							
			5	6	7	8	9	10	11	12
89	Mountain Chiffchaff	<i>Phylloscopus sindianus</i>				✓	H	✓		
90	Green Warbler	<i>Phylloscopus nitidus</i>					✓			
91	Great Reed Warbler	<i>Acrocephalus arundinaceus</i>		✓		✓				
92	Sedge Warbler	<i>Acrocephalus schoenobaenus</i>				H				
93	Eurasian Reed Warbler	<i>Acrocephalus scirpaceus</i>		✓		H				
94	Marsh Warbler	<i>Acrocephalus palustris</i>				✓				
95	Upcher's Warbler	<i>Hippolais languida</i>							✓	
96	Eurasian Blackcap	<i>Sylvia atricapilla</i>					✓	✓		
97	Common Whitethroat	<i>Sylvia communis</i>	✓		✓	✓	✓	✓	✓	✓
98	Menetries's Warbler	<i>Sylvia mystacea</i>		✓						
99	Eurasian Wren	<i>Troglodytes troglodytes</i>				H	✓	✓		
100	Eurasian Nuthatch	<i>Sitta europaea</i>					✓			
101	Western Rock Nuthatch	<i>Sitta neumayer</i>	✓	✓					✓	
102	Eastern Rock Nuthatch	<i>Sitta tephronota</i>		✓			✓		✓	
103	Eurasian Treecreeper	<i>Certhia familiaris</i>					✓			
104	Rosy Starling	<i>Pastor roseus</i>	✓	✓		✓		✓	✓	
105	Common Starling	<i>Sturnus vulgaris</i>				✓			✓	
106	Ring Ouzel	<i>Turdus torquatus</i>	✓		✓					
107	Common Blackbird	<i>Turdus merula</i>	✓	✓	✓	✓	✓	✓	✓	✓
108	Song Thrush	<i>Turdus philomelos</i>					H	H		
109	Mistle Thrush	<i>Turdus viscivorus</i>	✓							
110	Rufous-tailed Scrub Robin	<i>Erythropygia galactotes syriaca</i>							✓	
111	Spotted Flycatcher	<i>Muscicapa striata</i>					✓			
112	European Robin	<i>Erithacus rubecula</i>					✓			
113	Bluethroat	<i>Luscinia svecica</i>				✓				
114	Common Nightingale	<i>Luscinia megarhynchos</i>		H	H	H				
115	White-throated Robin	<i>Irania gutturalis</i>	✓		✓				✓	
116	Semi-collared Flycatcher	<i>Ficedula semitorquata</i>					✓			
117	Red-breasted Flycatcher	<i>Ficedula parva</i>					✓			
118	Black Redstart	<i>Phoenicurus ochruros semirufus</i>	✓					✓		
119	Common Redstart	<i>Phoenicurus p.samamisticus</i>					✓	✓		
120	Common Rock Thrush	<i>Monticola saxatilis</i>			✓					
121	Blue Rock Thrush	<i>Monticola solitarius</i>	✓	✓						
122	Whinchat	<i>Saxicola rubetra</i>				✓				
123	Siberian Stonechat	<i>Saxicola maurus</i>				✓				
124	Northern Wheatear	<i>Oenanthe oenanthe</i>	✓			✓		✓		
125	Isabelline Wheatear	<i>Oenanthe isabellina</i>			✓				✓	
126	Black-eared Wheatear	<i>Oenanthe hispanica</i>	✓	✓					✓	
127	House Sparrow	<i>Passer domesticus</i>	✓	✓	✓	✓	✓	✓	✓	✓
128	Eurasian Tree Sparrow	<i>Passer montanus</i>		✓					✓	
129	Pale Rockfinch	<i>Carospiza brachydactyla</i>							✓	
130	Rock Sparrow	<i>Petronia petronia</i>				✓			H	
131	White-winged Snowfinch	<i>Montifringilla nivalis</i>	✓							
132	Alpine Accentor	<i>Prunella collaris</i>	✓							
133	(Black-headed) Yellow Wagtail	<i>Motacilla flava feldegg</i>		✓		✓				
134	Grey Wagtail	<i>Motacilla cinerea</i>			✓			✓		
135	White Wagtail	<i>Motacilla alba</i>	✓	✓	✓	✓	✓	✓	✓	✓
136	Tawny Pipit	<i>Anthus campestris</i>	✓		✓					
137	Tree Pipit	<i>Anthus trivialis</i>	✓			✓	✓	✓		
138	Water Pipit	<i>Anthus spinoletta</i>	✓				✓	✓		

	Common name	Scientific name	June							
			5	6	7	8	9	10	11	12
139	Common Chaffinch	<i>Fringilla coelebs</i>	H			H	✓	H		H
140	Eurasian Bullfinch	<i>Pyrrhula pyrrhula</i>					✓			
141	Eurasian Crimson-winged Finch	<i>Rhodopechys sanguineus</i>			✓					
142	Common Rosefinch	<i>Carpodacus erythrinus</i>				✓	✓	✓		
143	European Greenfinch	<i>Chloris chloris</i>	✓	✓		✓	H	H	H	H
144	Common Linnet	<i>Linaria cannabina</i>	✓		✓	✓	✓			
145	European Goldfinch	<i>Carduelis carduelis</i>	✓	✓			✓		✓	
146	Red-fronted Serin	<i>Serinus pusillus</i>		H	✓					
147	Corn Bunting	<i>Emberiza calandra</i>	✓		✓	✓	✓		✓	
148	Rock Bunting	<i>Emberiza cia</i>		✓	✓					
149	Ortolan Bunting	<i>Emberiza hortulana</i>	✓			H				
150	Black-headed Bunting	<i>Emberiza melanocephala</i>	✓	✓	✓				✓	

Mammals

1	Red Fox	<i>Vulpes vulpes</i>				✓				
2	Bezoar's Goat	<i>Capra aegagrus aegagrus</i>		✓	✓					
3	Persian Squirrel	<i>Sciurus anomalus</i>					✓			

Amphibians & Reptiles

1	Levant Water Frog	<i>Pelophylax bedriagae</i>		H	H	H	H			
2	European Pond Terrapin	<i>Emys orbicularis</i>		✓						
3	Caucasian Agama	<i>Laudakia caucasia</i>			✓					
4	Eastern Green Lizard	<i>Lacerta viridis</i>			✓					
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>Pieris rapae transcaucasica</i>		✓	✓			✓	✓	✓
7	Green-veined White	<i>Pieris 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	Berger's Clouded Yellow	<i>Colias alfacariensis fontainei</i>			✓					
13	Powdered Brimstone	<i>Gonepteryx farinosa turcirana</i>							✓	
14	Wood White	<i>Leptidea sinapis</i>		LO	✓					
15	Green Hairstreak	<i>Callophrys rubi</i>			✓					
16	Small Copper	<i>Lycaena phlaeus</i>	✓		✓					
17	Purple-shot Copper	<i>Lycaena alciphron melibaeus</i>			✓					
18	Osiris Blue	<i>Cupido osiris</i>			LO					
19	Green-underside Blue	<i>Glaucopsyche alexis aeruginosa</i>			✓					
20	Silver-studded Blue	<i>Plebejus argus bellus</i>	✓							
21	Eastern Brown Argus	<i>Kretania eurypilus</i>	✓	✓	✓					
22	Adonis Blue	<i>Polymmatas (Lysandra) bellargus</i>		✓						

	Common name	Scientific name	June									
			5	6	7	8	9	10	11	12		
23	Common Blue	<i>Polyommatus icarus</i>		✓	✓	✓					✓	✓
24	Eastern Mazarine Blue	<i>Polyommatus semiargus bellis</i>		✓	✓							
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>									LO	✓
34	Glanville Fritillary	<i>Melitaea cinxia</i>		✓	✓							
35	Spotted Fritillary	<i>Melitaea didyma transcaucasica</i>	✓	✓	✓						✓	
36	a Marsh Fritillary 'type'	<i>Eurodryas provincialis</i>			✓							
37	Marbled White	<i>Maelanargia larissa astanda</i>			LO						✓	
38	Woodland Ringlet	<i>Erebia medusa psodea</i>							LO			
39	Large Grizzled Skipper	<i>Pyrgus alveus</i>		✓								
40	Yellow-banded Skipper	<i>Pyrgus sidae</i>		✓								
41	Mallow Skipper	<i>Carcharodus alceae</i>		✓								
42	Dingy Skipper	<i>Erynnis tages unicolor</i>			✓							
43	Essex Skipper	<i>Thymelicus lineola</i>		✓								
44	Southern Small Skipper	<i>Thymelicus sylvestris syriaca</i>		✓								

Micros Moths

1	Crambid	<i>Chrysocrambus linetella</i>	✓									
2	Rush Veneer	<i>Nomophila noctuella</i>				✓	✓	✓	✓			

Macros Moths

1	Geometrid	<i>Lithyria cruentaria</i>		✓								
2	Wood Carpet	<i>Epirrhoe rivata</i>				✓						
3	Yellow Shell	<i>Campptogramma bilineata</i>	✓									
4	Treble-bar	<i>Aplocera plagiata plagiata</i>			✓							
5	Latticed Heath	<i>Chiasmia clathrata clathrata</i>			✓							
6	Humming-bird Hawk-moth	<i>Macroglossum stellatarum</i>			✓							
7	Common Wainscot	<i>Mythimna pallens</i>	✓									
8	Burnet Companion	<i>Euclidia glyphica</i>			✓							

Other Invertebrates

1	Banded Demoiselle	<i>Calpteryx splendens</i>		✓								
2	Azure Bluet	<i>Coenagrion puella</i>		✓								
3	Common Blue-tail	<i>Ischnura elegans</i>		✓								
4	Large Red-eye Damselfly	<i>Erythromma najas</i>		✓								
5	Broad-bodied Chaser	<i>Libellula depressa</i>		✓								
6	Red-veined Darter	<i>Sympetrum fonscolombii</i>		✓							✓	
7	Field Cricket	<i>Gryllus campestris</i>	H		H							
8	Empusid' Mantis	<i>Empusa pennata</i>									✓	
9	Shield Bug	<i>Graphosoma lineatum (G. italicum)</i>			✓						✓	
10	Cicada	<i>Homoptera sp.</i>			✓							
11	Froghopper (Red & Black)	<i>Cercopis vulnerata</i>			✓							✓

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			5	6	7	8	9	10	11	12		
12	Ant-lion	<i>Nemoptera nitida</i>									✓	
13	Cleg-fly	<i>Haematopota pluvialis</i>				✓						
14	Armenian Bumblebee	<i>Bombus armeniacus</i>				✓						
15	Carpenter Bee	<i>Xylocopa</i> sp.									✓	
16	Honey Bee	<i>Apis mellifera</i>	✓		✓			✓			✓	✓
17	Dung Beetle sp.	<i>Scarabid</i> sp.	✓									
18	Pollen Chafer	<i>Tropinota squalida</i>	✓		✓							
19	Pollen Chafer	<i>Oxythyrea funesta</i>		✓							✓	
20	Rose Chafer	<i>Cetonia aurata</i>			✓							
21	Soldier Beetle	<i>Rhagonycha fulva</i>	✓									
22	Seven-spot Ladybird	<i>Coccinella 7-punctata</i>		✓	✓						✓	
23	Two-spot Ladybird	<i>Adalia bipunctata</i>		✓								
24	Churchyard Beetle	<i>Blaps mucronata</i>									✓	
25	Sheep Tick	<i>Ixodes ricinus</i>			✓							

Molluscs

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