

# Armenia - Butterflies of the Caucasus

Naturetrek Tour Report

21 - 28 June 2014



Black-veined White



Bowden's White



Gavarnie Blue



Meleagers Blue

Report & images compiled by Tom Brereton



Naturetrek Cheriton Mill Cheriton Alresford Hampshire SO24 0NG England

T: +44 (0)1962 733051

F: +44 (0)1962 736426

E: [info@naturetrek.co.uk](mailto:info@naturetrek.co.uk)

W: [www.naturetrek.co.uk](http://www.naturetrek.co.uk)

Tour Leaders:	Tom Brereton	Naturetrek
	Hasmik Ter Voskanyan	Local Naturalist Guide

Participants:	Christopher Morgan
	Pauline Morgan
	Clare Robinson
	John Maddocks
	John Gilbert
	David Fisher
	Sandra Snellgrove
	Bob Snellgrove
	Alison Toplas
	David Toplas

## Day 1

Saturday 21st June

### Outbound from UK

Our journey began with an Aeroflot morning flight from London to Moscow, which departed and arrived on time. We then took an early evening flight to the Armenian capital Yerevan, which was also punctual. After meeting our driver and ornithologist guide for the trip Hasmik, we took a short drive to a comfy city hotel, the Aviatrans in bustling Yerevan city, arriving by mid-evening.

## Day 2

Sunday 22nd June

### Hatsavan, Gaghadir and Gharni

After an excellent buffet breakfast, we headed south-east, driving for just under an hour to steppe and semi-desert habitat near Hatsavan and Gaghadir. Our first taster of Yerevan butterflies was at a road junction west of Garni, where we had a little time in between transferring from our air conditioned minibus into jeeps for the bumpy road ahead. Here, in the arid bushy steppe, we got off to a good start seeing a number of typical species of the arid landscape including Balkan Marbled White, Sandy Grizzled Skipper, Bath White, Berger's Clouded Yellow, Great Steppe Grayling, Queen of Spain Fritillary, Common Blue and Small Heath.

Our first scheduled stop for butterflies was in a beautiful semi-desert area several km down this dusty road which leads to Lanjatzat. We walked parallel to a dried up river bed, where grayling/rock-browns were common with Turanian Rockbrown *Pseudochasara telephassa*, *Pseudochasara mnizechii*, and numerous Hermits all noted, along with Lesser Fiery Copper. As in all steppe and semi-desert areas on this trip, beautiful Thread-winged Antlions were very common in this area. This was an excellent area for birds with Bee-eater, Roller, Egyptian Buzzard, Long-legged Buzzard, Levant's Sparrowhawk, Western Rock Nuthatch, Upcher's Warbler, Rock Bunting and large numbers of Rose-coloured Starlings seen.

For lunch we drove to Garni Gorge and had a picnic lunch in the shade underneath the spectacular basalt columns carved out by the Goght River. Overhead were Alpine Swifts and Crag Martins, whilst nearby our first Sooty Copper.

After lunch we walked up a narrow track through scrub to a viewpoint overlooking the gorge and the western edge of Khosrov Nature Reserve. This proved to be a productive area with sightings of Black-veined White, Spotted Fritillary, Lesser Lattice Brown, the hairstreak *Nordmania abdominalis* and Eastern Baton Blue.

Back at the gorge, a small damp area with Bramble supported Silver-washed Fritillary, Niobe Fritillary, White Admiral, Southern White Admiral and Powdered Brimstone. It was becoming very hot so we headed into Garni for cold drinks, ice cream and a visit to the first century Hellenic Garni Temple, where a Lesser Whitethroat was seen.

The final stop of the day was made on our way back to Yerevan, in a narrow valley near to Hatsvan and Gaghadir. With water in short supply, several damp areas within the valley areas proved a magnet for mud-puddling butterflies, especially blues. There were hundreds of Silver-studded Blues, together with Idas Blue, Odd-spot Blue, Green-underside Blue, Amanda's Blue, Adonis Blue, Eastern Mazarine Blue, Blue Argus, Loew's Blue, Eastern Brown Argus and the rare *Agrodiaetus belovi*. A superb variety of other butterflies was present including Common Swallowtail, Southern Comma, Dawn Clouded Yellow, Freyer's Fritillary, Knapweed Fritillary, Hungarian Glider, Mallow Skipper and Yellow-banded Skipper. Birds were good here too, with close views of Roller, Bee-eater and Rock Sparrow which were nesting on a sandy cliff face at the valley entrance and a Penduline Tit by the stream.

In the evening we made an early evening log call, then sampled Armenian cuisine in a nearby restaurant.

## Day 3

Monday 23rd June

### Acharkut Beech Forest and Dilijan

Today we left Yerevan by 7 am, as we had 160km of travelling to do to reach our destination for the day, the Acharkut Beech Forest and as we wanted to be there by mid-morning in time for peak butterfly activity. Leaving Yerevan we travelled in a northerly direction, passing Lake Sevan after an hour or so, where Armenian Gulls could be seen scavenging along the roadside, then Dilijan, a spa town in the Tavush province of Armenia where we stopped for coffee at our hotel (for the coming evening) and picked up lunch.

At Archaukayt, we transferred into jeeps to enable passage on the rough road through the forest reserve. We were dropped off at the western end of the forest and planned to retrace our steps back to the reserve entrance, spending a full day looking for butterflies along the forest trails. Although we had travelled through some indifferent weather en route with much cloud and scattered showers, as we began the walk the sun began to shine and the forest was alive with butterflies! Along the track by the jeeps, there were damp muddy patches that proved very attractive to butterflies supporting Eastern Wood White, Large Tortoiseshell, Heath Fritillary, Caucasian Fritillary *Melitaea caucasogenita*, Southern White Admiral, Holly Blue and numerous mud-puddling Mountain Small Whites.

As we walked east along the main woodland track, passing small scrubby meadows, butterfly diversity was high, with numerous Silver washed Fritillaries, Commas, Southern White Admirals, Pearly Heaths, Speckled Wood's and gatherings of mud-puddling Mountain Small Whites, together with Hungarian Glider, Common Swallowtail, Brimstone, Nettle-tree Butterfly, Peacock, Dryad, Cyprus Grayling and Syrian Rock Grayling.

The small meadows were of considerable interest, supporting grassland species such as Zephyr Blue, Eastern Short-tailed Blue, Small Blue, Weaver's Fritillary, Adonis Blue, Brown Argus, Berger's Clouded Yellow, Marbled White, Southern Small Skipper and Mallow Skipper. We were a bit out of season for woodland birds though Green Warbler was abundant, whilst Spotted Flycatcher and Red-backed Shrike added further interest.

Lunch was taken in a shady picnic area overlooking a stream, where we were kept company by a Silver-washed Fritillary, a Nairi Rock Lizard and the ubiquitous song of Green Warbler, whilst Scotch Argus was seen in a grassy area by the track. After lunch we continued walking along the main track back towards the entrance of the reserve adding several new species including Sloe Hairstreak, White-letter hairstreak, Brimstone and White Admiral before returning to the jeeps late afternoon.

Our final leg of the journey saw us returning to Dilijan, for an overnight stop at the rustic Haghartsin Hotel located just south of the town and set amongst hilly land clothed in Beech Forest. An excellent dinner was taken in the hotel restaurant, after which several of group wandered around the grounds looking for moths and listening for bats.

## Day 4

Tuesday 24th June

### Jajur Mountain Pass and Gyumri

In the hotel grounds and surrounding wooded valley Common Redstart, Hawfinch, Dipper and Great Spotted Woodpecker were seen by David before breakfast. After breakfast we drove west through beautiful mountain scenery for 90km, passing several Russian villages along the way. Once again, the weather threatened to take a turn for the worse, but as we arrived at our destination, the Jajur mountain pass, our luck was again in as the sun started to shine and temperatures had risen high enough for butterfly activity.

Before lunch, we explored an area of open Pine Woodland near to the road. This proved to be a really excellent area for butterflies with the long list of highlights including Mountain Alcon Blue, Gavarnie Blue, the Marsh Fritillary *Euphydryas provincialis*, Glanville Fritillary, Chapman's Blue, Caucasian Heath, Red-underwing Skipper, Woodland Ringlet, Dark-veined White, Purple-shot Copper and our first Small Tortoiseshell's and Large Skippers of the holiday. Mountain Chiffchaff's were singing in this small woodland area, whilst Golden Eagle was seen soaring overhead.

Lunch was taken at a picnic area by the road where large numbers of Gavarnie Blue butterflies were mud-puddling. After lunch we headed along a track up a mountain valley. Glanville Fritillary, Gavarnie Blue, Woodland Ringlet and Red-underwing Skipper were common here, whilst Osiris Blue, Caucasian Spotted Fritillary and Balkan Copper were noteworthy. This proved to be a good area for birds with Whinchat, Woodlark, Red-backed Shrike, Ring Ouzel, Rock Bunting Scarlet Rosefinch, Tree Pipit, Crag Martin, Rock Thrush and rather bizarrely a 'churring' Nightjar all noted.

In an effort to do a circular walk and sample a different habitat, we descended the mountain side to the scrub-fringed dried up stream bend. Walking back along this sheltered area proved highly productive with numerous Adonis Blue, the Green Hairstreak *Callophrys chalybeitincta* and *provincialis* Marsh Fritillary, together with Balkan Copper, Wall Brown, Yellow-banded Skipper and Caucasian Fritillary.

After a superb day in the field we headed south west a short distance to Gyumri, the second largest city in Armenia arriving early evening at our hotel, the lavishly ornate Hotel Alexandropol. We arrived around 5pm allowing time for the group to explore the surrounding square and bustling market. Dinner was taken at a highly rated fish restaurant, Cherkezi Dzor on the outskirts of Gyumri. The restaurant has a wonderful setting and its own fish ponds from where the fish are harvested. Following various salads, soup and trout caviar for starters, the main course consisted of beautifully cooked char-grilled sturgeon steaks.

## Day 5

Wednesday 25th June

### Mount Aragats

After breakfast, we were on our way to another part of Armenia, this time to Mount Aragats, the highest mountain in Armenia standing at nearly 13,500 feet and located some 100km to the south-east of Gyumri. Our intention was to search for butterflies in the different habitats demarcated by altitude that characterise this picturesque yet remote mountainous region.

Above Byurakan, we made our first stop in the Juniper zone, where once again the weather was suitable for butterflies. Butterflies recorded included our first Twin-spot Fritillaries and Olive Skippers of the trip together with Spotted Fritillary, Berger's Clouded Yellow, Red-underwing Skipper, Black-veined White, Eastern Brown Argus, Blue Argus, Green-underside Blue and large numbers of Silver-studded Blues. This is a known good birding area and today did not disappoint, with Tawny Pipit, Ortolan Bunting, Ring Ouzel, Booted Eagle, an obliging Red-backed Shrike and singing Bluethroat all located. Lunch was taken further up the mountain in an area of Juniper scrub interspersed with open grassland and scree. Butterflies soon became a distraction in the grassy area in front of where we were picnicking, with Geranium Argus the highlight. On the bird front, the hoped for Radde's Accentors proved elusive, but compensation came in the form of Ortolan Bunting and Tree Pipit.

After lunch we visited a narrow, steep valley near the 7th century Amberd Castle. At the entrance to the valley was a late Orange-tip. We walked through a temporary camp set up by semi-nomadic Sunni Muslim Kurds who in the summer months live in makeshift tents, while minding sheep and cattle flocks that graze the desolate grassy mountain slopes. The track was damp here and attractive to mud-puddling butterflies, with Olive Skipper and Black-veined White being particularly abundant, along with smaller numbers of Marbled Skipper, Yellow-banded Skipper, Chapman's Blue and Holly Blue. Beyond the camp, the valley opened out into scrubby, rocky and boggy ground and a narrow the stream. Large numbers of mud-puddling butterflies were again present in the damp areas, including hundreds of Black-veined Whites plus Knapweed Fritillary, Caucasian Fritillary, Caucasian Spotted Fritillary, *Euphydryas provincialis* and Balkan Copper. Birds in the valley included Rock Thrush.

For the final stop of the day, we climbed higher still, to one of the highest drivable points in Armenia, an area of flowery alpine grassland just below Kari Lake at an altitude of just over 3,000m. The weather conditions were predominantly cool and cloudy, but in a brief interlude of sunshine, we immediately got excellent views of the target butterfly species - the high altitude Bowden's White. Few other butterflies were seen, but the area was excellent for birds, with Crimson-winged Finch, Shorelark, Water Pipit, Snowfinch, Alpine Accentor, Twite and Griffon Vulture. From here, we drove for 60km back to the Hotel Aviatrans in Yerevan, in good time for a log call and dinner next to the hotel in a restaurant serving tasty traditional Armenian cuisine.

## Day 6

Thursday 26th June

### Khosrov

Today we planned to visit the countryside around Khosrov Reserve, a distance of 70 km south east of Yerevan. It was a beautiful, clear sunny day and as we left Yerevan, we stopped along the road to take photographs of snow-capped Mount Ararat, just over the border in Turkey and to buy locally grown cherries. A White Stork nest in the foreground added to the scene, whilst we were distracted by some of the bird life in the area including Penduline Tit, Great Reed Warbler and Cuckoo. Before lunch we visited a valley north east of Urtsadzor where the diverse and pretty landscape comprises a mosaic of low intensity arable farmland, orchards, Juniper groves, steppe, scrublands and river valleys with a mountainous backdrop. This area proved attractive to butterflies and other insects with Esper's Marbled White, Clouded Yellow, Hermit, Blue-spot Hairstreak, Red-underwing Skipper Eastern Baton Blue, Sooty Copper, Eastern Brown Argus, Olive Skipper and *Pseudochazara telephassa* encountered.

After lunch we headed a short distance further east to a scrubby valley surrounded by mixed farmland near Lanjanist. This was another fabulous area for butterflies with sightings including Scarce Swallowtail, Olive Skipper, Oriental Marbled Skipper, Amasian Satyr, Oriental Meadow Brown and White-letter hairstreak. In the valley bottom along the narrow stream, there were several species of blue mud-puddling including Odd-spot Blue, Silver-studded Blue, Loew's Blue, Amanda's Blue, Eastern Brown Argus and two rare Anomalous Blues both restricted to Turkey and Armenia; *Agrodiaetus huberti*, *Agrodiaetus erivanensis*. This was a good day for birds. Lesser Grey Shrikes and Rosy Starlings were common in this area, Isabelline Wheatear, Golden Oriole, Eastern Olivaceous Warbler, Black-eared Wheatear and Woodchat Shrike were seen in the valleys, whilst Lammergeier, Honey Buzzard, Golden Eagle, Booted Eagle and Long-legged Buzzard were seen overhead.

After another superb day in the field it was time to drive further east through the Arenia wine growing region to a hotel in Yeghegnadzor, a small town in southern Armenia 125k m from Yerevan. In the evening we drove to the outskirts of town, to have dinner at the popular "LTCHAK" (Little Lake) restaurant complex, located beside a small lake made along the Vorotan River. Here, we had one of the dining halls to ourselves for our four course meal. After dinner, near the hotel, good views were obtained by David and Hasmik of Scop's Owl by torchlight.

## Day 7

Friday 27th June

### Gnishik and Noravankk Gorge

With more lovely sunny weather in the morning we drove due south from Yeghednazour, climbing steep winding roads through mountainous terrain to reach a series of stunning meadows near Gnishik, close to the Azerbaijan border. The meadows were full of pretty wildflowers and of course butterflies. Highlights included Russian Heath, Dusky Meadow Brown, Oriental Meadow Brown, Lesser lattice Brown, Persian Fritillary, Glanville Fritillary, Knapweed Fritillary, Eastern Pale Clouded Yellow and hundreds of Silver-studded Blues.

We then retraced our way back towards Arenia to take lunch in the Noravank Gorge, famed for its towering sheer, brick-red cliffs. Butterflies once again proved a distraction at our lunch stop, where an interesting variety of woodland and grassland species were found, amongst them Meleager's Blue, a Chalkhill Blue type *Lysandra corydonius*, the skipper *Eogens alcides*, all three species of Marbled White and lots of mud-puddling *Agrodiaetus huberti*.



After lunch, we visited a track further up the valley near the Noravank Monastery which was waterlogged in places. This proved another superb spot for mud-puddling butterflies, with the gathering including Powdered Brimstone, Dark Green Fritillary, Cardinal, Mountain Small White, large numbers of Olive Skipper, Small Skipper, Holly Blue, Silver-studded Blue and *Agrodiaetus huberti*. Afterwards we visited the 13th century monastery, where David spotted one more highlight for us, a Wild Goat seen foraging high up in the canyon. We then returned to Yerevan for a final night at the Hotel Aviatrans and another superb meal in a nearby restaurant.

## Day 8

Saturday 28th June

### Yerevan Botanical Gardens

Our final morning was spent in the Yerevan Botanical Gardens located in the north east part of the city. In spite of the urban setting, butterflies were plentiful at this 80 hectare site with sightings including Sloe Hairstreak, Queen of Spain Fritillary, Scarce Swallowtail, Lesser Fiery Copper, Black-veined White, Southern White Admiral, Silver-washed Fritillary, Oriental Meadow Brown and Red underwing Skipper. On the moth front, both Hummingbird Hawk-moth and Broad-bordered Bee Hawk-moth were seen, whilst birds recorded included Syrian Woodpecker, Hoopoe and Nightingale.

By 11:30 we were on our way to the airport, where we said our goodbyes to our friendly driver Andranik and guide Hasmik Ter-Voskanyan who had looked after us fabulously well. A little before 3pm we were on the flight back to London, via Moscow. The return journey went smoothly and we were back in Heathrow on time at 8pm, thus ending a thoroughly enjoyable and highly successful pioneering butterfly tour to this wonderful country.

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## Species List

Butterflies (✓ = recorded but not counted)

Common name	Scientific name	June						
		22	23	24	25	26	27	28
<b>Hesperidae</b>								
<b>Eogenes (Hesperia)</b>								
	<i>E. alcides</i>						1	
<b>Thymelicus</b>								
Southern Small Skipper	<i>T. sylvestris syriacus</i>	15	10				60	25
Essex Skipper	<i>T. lineola</i>			✓			1	5
<b>Ochlodes</b>								
Large Skipper	<i>O. sylvanus</i>			60	1	2	10	15
<b>Erynnis</b>								
Dingy Skipper	<i>E. tages unicolor</i>		✓	✓	10	✓		
<b>Carcharodus</b>								
Mallow Skipper	<i>C. alceae alceae</i>	1	10		1			
Marbled Skipper	<i>C. lavatherae tauricus</i>	✓	✓		3	✓	3	
Tufted Skipper	<i>C. flocciferus flocciferus</i>				✓		✓	
Oriental Skipper	<i>C. orientalis orientalis</i>					✓		
Red Underwing Skipper	<i>Spialia sertorius</i>			✓			5	2
<b>Pyrgus</b>								
Yellow-banded Skipper	<i>P. sidae</i>	3		15	10		12	
Sandy Grizzled Skipper	<i>P. cinarae</i>	1					2	
Olive Skipper	<i>P. serratae major</i>				120		60	
Obethür's Grizzled Skipper	<i>P. armoricus persicus</i>				✓			
Large Grizzled Skipper	<i>P. alveus</i>				✓			
<b>Papilionidae</b>								
<b>Iphiclides</b>								
Scarce Swallowtail	<i>I. podalirius persica</i>					1		1
<b>Papilio</b>								
Common Yellow Swallowtail	<i>P. machaon syriacus</i>	1	1				1	
<b>Pieridae</b>								
<b>Leptidea</b>								
Eastern Wood White	<i>L. duponcheli lorcovici</i>		✓			✓		
<b>Anthocharis</b>								
Orange-tip	<i>A. cardamines</i>				1			
<b>Aporia</b>								
Black-veined White	<i>A. crataegi iranica</i>	35			150		2	1
<b>Pontia</b>								
Bath White	<i>P. daplidice</i>	✓			5	✓	5	2
<b>Artogeia (Pieris)</b>								
Dark-veined White	<i>A. bryonia turcica</i>			5				
Bowdens White	<i>A. bowdeni</i>				2			
Mountain Small White	<i>A. ergane detersa</i>		100		1		15	
<b>Pieris</b>								
Large White	<i>P. brassica</i>	5	10					5
Small White	<i>P. rapae</i>	20	✓					2
<b>Colias</b>								
Clouded Yellow	<i>Colias croceus</i>		✓	✓		✓		5
	<i>C. chlorocoma</i>							
Dawn Clouded Yellow	<i>C. aurorina</i>	1						



Common name	Scientific name	June						
		22	23	24	25	26	27	28
Eastern Pale Clouded Yellow	<i>C. erate</i>						5	
Pale Clouded Yellow	<i>C. hyale</i>							
Berger's Clouded Yellow	<i>C. alfacariensis fontainei</i>	20	✓	✓	✓	✓	✓	✓
<b>Gonepteryx</b>								
Powdered Brimstone	<i>G. farinosa turcirana</i>	1					3	
Common Brimstone	<i>G. rhamni meridionalis</i>		1					
<b>Lycaenidae</b>								
<b>Lycaena</b>								
Small Copper	<i>L. phlaeas</i>	2	✓		5	✓	✓	✓
<b>Thersamonolycaena</b>								
Purple-shot Copper	<i>T. alciphron melibaeus</i>	✓		2	✓			
<b>Thersamonia (Lycaena)</b>								
Lesser Fiery Copper	<i>T. thersamon</i>	✓						3
	<i>T. kurdistanica</i>			1				
Turkish Fiery Copper	<i>T. ochimus</i>							
Anatolian Fiery Copper	<i>T. asabinus satraps</i>							
<b>Heodes</b>								
Sooty Copper	<i>H. tityrus</i>	1				✓	4	
Balkan Copper	<i>H. candens</i>			2	✓			
<b>Callophrys</b>								
Sovinsky's Green Hairstreak	<i>C. chalybeitincta</i>			5				
<b>Nordmannia</b>								
Blue Spot Hairstreak	<i>N. spini melantho</i>					✓	5	20
	<i>N. abdominalis</i>	✓	✓					
Sloe Hairstreak	<i>N. acaciae</i>					✓	2	
White-letter Hairstreak	<i>N. w-album majuscula</i>		1			1		
<b>Cupido</b>								
Small Blue	<i>C. minimus</i>			✓	10	✓	10	
Osiris Blue	<i>C. osiris</i>	✓		✓				
<b>Everes</b>								
Short-tailed Blue	<i>E. argiades</i>		✓					
<b>Celastrina</b>								
Holly Blue	<i>C. argiolus</i>	2	✓	✓		✓	50	
<b>Pseudophilotes</b>								
Eastern Baton Blue	<i>P. vicrama schiffermuelleri</i>	60				✓		
<b>Glaucopsyche</b>								
Green-underside Blue	<i>G. alexis aeruginosa</i>	5		2	5			
<b>Iolana</b>								
Iolas Blue	<i>I. iolas lessei</i>				5		2	
<b>Maculinea</b>								
Mountain Alcon Blue	<i>M rebeli</i>			✓				
<b>Turanana</b>								
Odd-spot Blue	<i>T. endymion</i>	30				✓	3	
<b>Plebejus</b>								
Idas Blue	<i>P. idas altarmenus</i>	10						
Silver-studded Blue	<i>P. argus bellus</i>	160	✓		15	70	550	
Zephyr Blue	<i>P. sephirus</i>		1					
<b>Plebejidea</b>								
Loew's Blue	<i>P. loewii</i>	3				3	1	
<b>Kretania (Plebejus)</b>								
Eastern Brown Argus	<i>K. euryпилus</i>	50				✓		

Common name	Scientific name	June						
		22	23	24	25	26	27	28
<b>Aricia</b>								
Brown Argus	<i>A. agestis sheljuzhkoi</i>	✓	✓	2	✓	✓	7	✓
<b>Ultraaricia (Alicia/Lycaena)</b>								
Blue Argus	<i>U. anteros</i>	✓	1		2			
<b>Eumedonia</b>								
Geranium Argus	<i>E. eumedon kagizmanensis</i>				3			
<b>Cyaniris</b>								
Eastern Mazarine Blue	<i>C. bellis antiohena</i>	2			3		10	
<b>Agriades</b>								
Gavarnie(Balkan) Blue	<i>Agriades pyrenaicus araraticus</i>			✓				
<b>Neolysandra (Polyommatus)</b>								
Pontic Blue	<i>N. alticola</i>			✓				
<b>Lysandra</b>								
Adonis Blue	<i>L. bellargus</i>	✓	3	✓	15	✓	5	
	<i>L. corydonius caucasica</i>						1	
<b>Meleageria</b>								
Meleager's Blue	<i>M. daphnis versicolor</i>					✓	1	
<b>Polyommatus</b>								
Common Blue	<i>P. icarus</i>	30	✓	✓	25	✓	✓	30
Chapman's Blue	<i>P. thersites ketshevana</i>			✓	30			
Amanda's Blue	<i>P. amandus gina</i>	10		✓	20	✓	10	
<b>Agrodiaetus</b>								
	<i>A. eriwanensis</i>					✓		
	<i>A. belovi</i>	✓						
	<i>A. huberti</i>					✓	✓	
<b>Libytheidae</b>								
<b>Libythea</b>								
Nettle-tree Butterfly	<i>L. celtis</i>		✓				8	
<b>Esperarge</b>								
Lesser Lattice Brown	<i>E. climene valentinae</i>	✓					5	
<b>Pararge</b>								
Speckled Wood	<i>P. aegeria tircis</i>		✓					
<b>Lasiommata</b>								
Wall Brown	<i>L. megera</i>			1			✓	
<b>Coenonympha</b>								
Small Heath	<i>C. pamphylus</i>	2		1	2	✓		
Caucasian Heath	<i>C. symphita</i>			80	✓			
Pearly Heath	<i>C. arcania caucasica</i>		50				25	
Russian Heath	<i>C. (leander) obscura</i>						✓	
<b>Maniola</b>								
Meadow Brown	<i>M. jurtina strandiana</i>		20			✓	20	20
<b>Hyponephele</b>								
Oriental Meadow Brown	<i>H. lupina transcaucasica</i>					✓	5	1
Dusky Meadow Brown	<i>H. lycaon</i>					1	5	
<b>Erebia</b>								
Woodland Ringlet	<i>E. medusa</i>			50	✓			
Scotch Argus	<i>E. aethiops melusina</i>		5	5				
<b>Melanargia</b>								
Marbled White	<i>M. galathea satnia</i>		30				40	
Esper's Marbled White	<i>M. russiae caucasica</i>						10	
Balkan Marbled White	<i>M. larissa astanda</i>	30	✓			✓	14	3

Common name	Scientific name	June						
		22	23	24	25	26	27	28
<b>Satyrus</b>								
Amasian satyr	<i>S. amasinus</i>					5		
<b>Minois</b>								
Dryad	<i>M. dryas</i>		30					
<b>Hipparchia</b>								
Cyprus Grayling	<i>H. pellucida</i>		✓					
Syrian Rock Grayling	<i>H. syriaca</i>		✓					
<b>Chasara</b>								
Hermit	<i>C. briseis meridionalis</i>	✓				✓	20	
Dark Rockbrown/Great Steppe Grayling	<i>C. persephone transiens</i>	✓	✓				✓	
Orange Hermit	<i>C. bischoffi</i>							
<b>Pseudochasara</b>								
Dark Grayling	<i>P. mnischevii</i>	✓						
Turanian Rockbrown	<i>P. telephassa</i>	✓				✓	5	
<b>Nymphalidae</b>								
<b>Limenitis</b>								
Southern White Admiral	<i>L. reducta mirzajani</i>	✓	40				5	2
White Admiral	<i>L. camilla</i>	✓	✓					
<b>Neptis</b>								
Hungarian Glider	<i>N. rivularis ludmilla</i>	4			3		3	
<b>Vanessa</b>								
Red Admiral	<i>V. atalanta</i>		5					
Painted Lady	<i>V. cardui</i>	✓	✓				10	5
<b>Inachis</b>								
European Peacock	<i>I. io</i>		✓					
<b>Aglais</b>								
Small Tortoiseshell	<i>A. urticae turcica</i>			2	4			
<b>Polygonia</b>								
Southern Comma	<i>P. egea</i>	1						
Comma	<i>P. c-album</i>		✓				1	
<b>Nymphalis</b>								
Large Tortoiseshell	<i>N. polychloros</i>		✓					
<b>Melitaea</b>								
Spotted Fritillary	<i>M. didima transcaucasica</i>	10	10		8	2	2	
Persian Fritillary	<i>M. perseus caucasica</i>						1	
Glanville Fritillary	<i>M. cinxia</i>			50	20		20	
Knapweed Fritillary	<i>M. phoebe</i>				1			
Freyer's Fritillary	<i>M. arduinna kocaki</i>	5						
<b>Melicta</b>								
Heath Fritillary	<i>M. athalia</i>	✓	✓	✓			✓	
Caucasian Fritillary	<i>M. caucasogenita (Boloria)</i>			5	5			
Nickerl's Fritillary	<i>M. aurelia ciscaucasica</i>						1?	
Caucasian Spotted Fritillary	<i>M. interrupta</i>			5				
<b>Argynnis</b>								
Silver-washed Fritillary	<i>A. paphia</i>	2	30	2			5	1
Cardinal	<i>A. pandora</i>			2			2	
Dark Green Fritillary	<i>A. aglaja ottomana</i>		✓			✓	5	
Niobe Fritillary	<i>A. niobe gigantea</i>	6					1	
<b>Issoria</b>								
Queen of Spain Fritillary	<i>I. lathonia</i>	✓	10	5			5	10

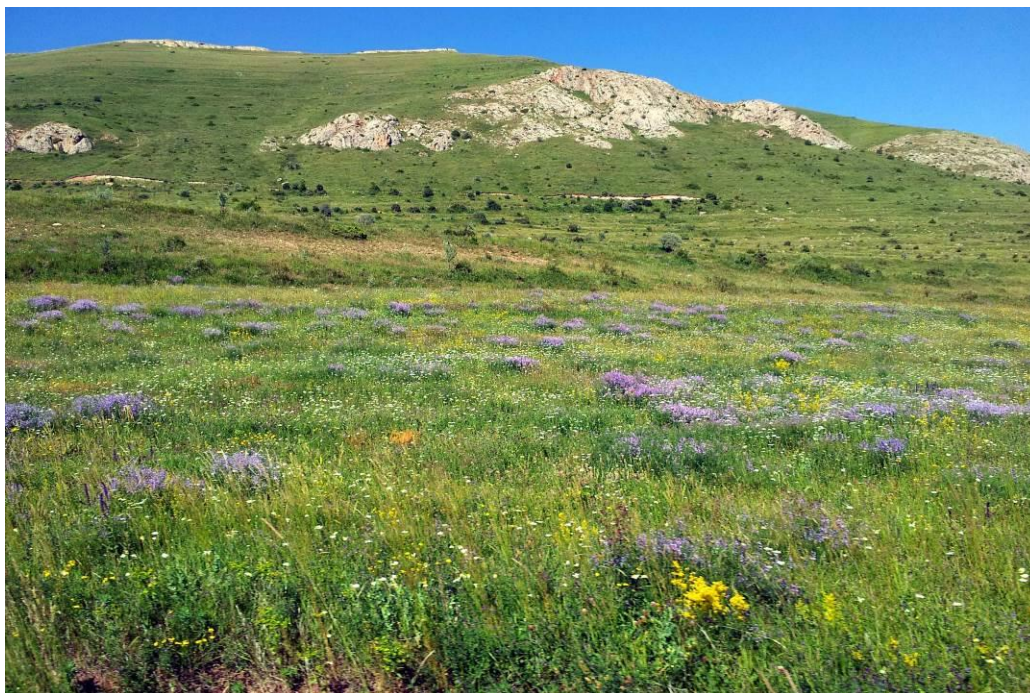
Common name	Scientific name	June						
		22	23	24	25	26	27	28
<b><i>Brenthis</i></b>								
Twin Spot Fritillary	<i>B. hecate transcaucasica</i>				2			
<b><i>Clossiana</i></b>								
Weaver's Fritillary	<i>C. dia calida</i>		2					
<b><i>Euphydryas</i></b>								
<i>a marsh fritillary</i>	<i>E. provincialis</i>			20	10			

## Birds

Chukar Partridge	<i>Alectoris chukar</i>						✓	
Common Quail	<i>Coturnix coturnix</i>					✓	✓	
White Stork	<i>Ciconia ciconia</i>						✓	✓
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>					✓		
Great Cormorant	<i>Phalacrocorax carbo</i>							
European Honey Buzzard	<i>Pernis apivorus</i>					✓		
Bearded Vulture	<i>Gypaetus barbatus</i>					✓		
Egyptian Vulture	<i>Neophron percnopterus</i>	✓			✓			
Griffon Vulture	<i>Gyps fulvus</i>							
Cinereous Vulture	<i>Aegypius monachus</i>							
Short-toed Snake Eagle	<i>Circaetus gallicus</i>							
Levant Sparrowhawk	<i>Accipiter brevipes</i>	✓						
Common Buzzard	<i>Buteo buteo</i>		✓	✓	✓	✓	✓	✓
Long-legged Buzzard	<i>Buteo rufinus</i>	✓	✓		✓	✓	✓	✓
Golden Eagle	<i>Aquila chrysaetos</i>			✓		✓		
Booted Eagle	<i>Hieraaetus pennatus</i>					✓		
Common Kestrel	<i>Falco tinnunculus</i>			✓				
Red-footed Falcon	<i>Falco vespertinus</i>						✓	
Peregrine Falcon	<i>Falco peregrinus</i>					✓		
Armenian Gull	<i>Larus armenicus</i>		✓	✓				
Common Pigeon	<i>Columba livia</i>	✓					✓	✓
Common Wood Pigeon	<i>Columba palumbus</i>	✓				✓		
European Turtle Dove	<i>Streptopelia turtur</i>							
Eurasian Collared Dove	<i>Streptopelia decaocto</i>				✓			
Laughing Dove	<i>Spilopelia senegalensis</i>	✓						
Common Cuckoo	<i>Cuculus canorus</i>					✓	✓	
Eurasian Scops Owl	<i>Otus scops</i>	✓				✓		
European Nightjar	<i>Caprimulgus europaeus</i>			✓				
Alpine Swift	<i>Tachymarptis melba</i>	✓				✓		
Common Swift	<i>Apus apus</i>	✓	✓	✓	✓	✓	✓	
European Roller	<i>Coracias garrulus</i>	✓				✓		
European Bee-Eater	<i>Merops apiaster</i>	✓	✓	✓	✓	✓	✓	
Eurasian Hoopoe	<i>Upupa epops</i>	✓	✓		✓	✓	✓	
Syrian Woodpecker	<i>Dendrocopos syriacus</i>	✓			✓	✓	✓	✓
Great Spotted Woodpecker	<i>Dendrocopos major</i>			✓				
Red-backed Shrike	<i>Lanius collurio</i>		✓	✓	✓	✓	✓	
Lesser Grey Shrike	<i>Lanius minor</i>				✓	✓	✓	
Woodchat Shrike	<i>Lanius senator</i>					✓		
Eurasian Golden Oriole	<i>Oriolus oriolus</i>					✓	✓	
Eurasian Jay	<i>Garrulus glandarius</i>		✓	✓	✓	✓	✓	✓
Eurasian Magpie	<i>Pica pica</i>	✓	✓	✓	✓	✓	✓	✓
Western Jackdaw	<i>Coloeus monedula</i>	✓			✓			
Rook	<i>Corvus frugilegus</i>				✓			

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		22	23	24	25	26	27	28
Hooded Crow	<i>Corvus cornix</i>	✓	✓	✓	✓	✓	✓	
Northern Raven	<i>Corvus corax</i>	✓	✓		✓	✓		
Coal Tit	<i>Pariparus ater</i>	✓						
Great Tit	<i>Parus major</i>			✓		✓		
Eurasian Penduline Tit	<i>Remiz pendulinus</i>	✓						
Crested Lark	<i>Galerida cristata</i>	✓				✓		
Woodlark	<i>Lullula arborea</i>			✓	✓			
Eurasian Skylark	<i>Alauda arvensis</i>			✓	✓	✓	✓	
Horned Lark	<i>Eremophila alpestris</i>				✓			
Sand Martin	<i>Riparia riparia</i>		✓		✓	✓	✓	
Barn Swallow	<i>Hirundo rustica</i>	✓	✓	✓	✓	✓	✓	✓
Eurasian Crag Martin	<i>Ptyonoprogne rupestris</i>			✓	✓	✓	✓	
Common House Martin	<i>Delichon urbicum</i>	✓			✓	✓	✓	
Cetti's Warbler	<i>Cettia cetti</i>					✓	✓	
Mountain Chiffchaff	<i>Phylloscopus sindianus</i>			✓	✓			
Green Warbler	<i>Phylloscopus nitidus</i>		✓	✓				
Great Reed Warbler	<i>Acrocephalus arundinaceus</i>					✓		
Eastern Olivaceous Warbler	<i>Iduna pallida</i>	✓				✓		
Upcher's Warbler	<i>Hippolais languida</i>	✓	✓					
Eurasian Blackcap	<i>Sylvia atricapilla</i>		✓					
Lesser Whitethroat	<i>Sylvia curruca</i>	✓						
Common Whitethroat	<i>Sylvia communis</i>			✓	✓	✓	✓	✓
Eurasian Wren	<i>Troglodytes troglodytes</i>		✓					
Eurasian Nuthatch	<i>Sitta europaea</i>		✓					
Western Rock Nuthatch	<i>Sitta neumayer</i>	✓				✓	✓	
Eastern Rock Nuthatch	<i>Sitta tephronota</i>	✓						
Eurasian Treecreeper	<i>Certhia familiaris</i>				✓			
Rosy Starling	<i>Pastor roseus</i>	✓			✓	✓	✓	
Common Starling	<i>Sturnus vulgaris</i>			✓				
Ring Ouzel	<i>Turdus torquatus</i>			✓	✓			
Common Blackbird	<i>Turdus merula</i>		✓	✓	✓	✓		
Song Thrush	<i>Turdus philomelos</i>		✓					
Mistle Thrush	<i>Turdus viscivorus</i>			✓				
European Robin	<i>Erithacus rubecula</i>		✓					
Bluethroat	<i>Luscinia svecica</i>				✓			
Common Nightingale	<i>Luscinia megarhynchos</i>					✓	✓	✓
Rufous-tailed Scrub Robin	<i>Erythropygia galactotes</i>	✓						
Black Redstart	<i>Phoenicurus ochruros</i>			✓	✓	✓		
Common Redstart	<i>Phoenicurus phoenicurus</i>		✓	✓				
Whinchat	<i>Saxicola rubetra</i>						✓	
European Stonechat	<i>Saxicola rubicola</i>						✓	
Isabelline Wheatear	<i>Oenanthe isabellina</i>	✓				✓		
Northern Wheatear	<i>Oenanthe oenanthe</i>	✓			✓	✓	✓	
Black-eared Wheatear	<i>Oenanthe hispanica</i>					✓	✓	
Rufous-tailed Rock Thrush	<i>Monticola saxatilis</i>			✓	✓			
Blue Rock Thrush	<i>Monticola solitarius</i>						✓	
White-throated Dipper	<i>Cinclus cinclus</i>			✓				
House Sparrow	<i>Passer domesticus</i>	✓		✓	✓	✓	✓	✓
Eurasian Tree Sparrow	<i>Passer montanus</i>					✓	✓	
Rock Sparrow	<i>Petronia petronia</i>	✓						
White-winged Snowfinch	<i>Montifringilla nivalis</i>					✓		

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		22	23	24	25	26	27	28
Alpine Accentor	<i>Prunella collaris</i>					✓		
Grey Wagtail	<i>Motacilla cinerea</i>		✓		✓			
White Wagtail	<i>Motacilla alba</i>		✓	✓	✓	✓	✓	✓
Tawny Pipit	<i>Anthus campestris</i>				✓			
Tree Pipit	<i>Anthus trivialis</i>			✓	✓			
Water Pipit	<i>Anthus spinoletta</i>				✓			
Common Chaffinch	<i>Fringilla coelebs</i>		✓	✓	✓			
European Greenfinch	<i>Carduelis chloris</i>				✓			
European Goldfinch	<i>Carduelis carduelis</i>				✓	✓	✓	✓
Twite	<i>Carduelis flavirostris</i>				✓			
Common Linnet	<i>Carduelis cannabina</i>	✓		✓	✓	✓	✓	
Eurasian Crimson-winged Finch	<i>Rhodopechys sanguineus</i>				✓			
Common Rosefinch	<i>Carpodacus erythrinus</i>	✓		✓	✓	✓		
Hawfinch	<i>Coccothraustes coccothraustes</i>			✓				
Corn Bunting	<i>Emberiza calandra</i>			✓	✓	✓	✓	
Rock Bunting	<i>Emberiza cia</i>	✓		✓	✓	✓	✓	
Ortolan Bunting	<i>Emberiza hortulana</i>				✓		✓	
Black-headed Bunting	<i>Emberiza melanocephala</i>	✓		✓	✓	✓	✓	
Common Reed Bunting	<i>Emberiza schoeniclus</i>							



Armenia landscape