

Armenia - Butterflies of the Caucasus

Naturetrek Tour Report

25 June - 2 July 2016



Cardinal



Khosrov National Park from Garni



Mount Ararat from Vedi



Purple-edged Copper

Report and images by Tom Brereton



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Together with three Naturetrek clients

Day 1

Saturday 25th June

Outbound from the UK

Our small and friendly group met at Heathrow Airport for an Aeroflot morning flight from London to Moscow that departed and arrived on time. We then took an early evening flight to the Armenian capital, Yerevan. After meeting our driver and ornithologist guide for the trip Hasmik, we took a short drive to the superb Hotel Aviatrans, centrally located in vibrant Yerevan city. We arrived mid-evening in time for an excellent supper at the hotel.

Day 2

Sunday 26th June

Hatsavan, Gaghadir and Gharni

After a really good buffet breakfast, we headed south-east, driving for just under an hour to steppe and semi-desert habitat west of Garni. The weather was glorious – hot and sunny. At a road intersection we transferred from our air conditioned minibus to jeeps for the bumpy road ahead which ran west towards Lanjizat. Birds seen in prime habitat along the road included Roller, Lesser Grey Shrike, Bee-eater and Isabelline Wheatear.

Our first scheduled stop for butterflies was in a beautiful semi-desert area, several kilometres down this dusty road. Since last year an orchard had been planted, with some loss of steppe habitat, though it was full of wild flowers and this small scale operation may have improved wildlife watching conditions locally. Over the morning, we walked along a sandy track, then back through a dried up river bed which is good habitat for various species of false grayling and rockbrown. Butterflies seen during the morning included Common Yellow Swallowtail, Bath White, Painted Lady, Queen of Spain Fritillary, Cardinal, Great Steep Grayling, Brown Argus, Wall Brown, Oriental Marbled Skipper and Balkan Marbled White (one of which was being eaten by a Robber Fly!). On the brown front, the dried up river bed held Klug's Tawny Rockbrown and *Pseudochazara schachbrudensis*.

As in all steppe and semi-desert areas on this trip, beautiful Thread-winged Antlions were very common, though perhaps a little less so than previous years. This was a superb area for birds with Black-headed Bunting, Long-legged Buzzard, Western Rock Nuthatch, Eastern Rock Nuthatch, Upcher's Warbler, Pale Rock Finch and Rufous Bushchat seen. The orchard workers were friendly and at their invitation, we took tea with them after our walk.

For lunch we drove to Garni gorge and had a picnic in the shade by the river and near to the spectacular basalt columns known as the *Symphony of the Stones* carved out by the Goght River. Overhead we were accompanied by Alpine Swifts and Crag Martins, whilst a Dipper was seen along the river, Golden Oriole and Syrian Woodpecker in riparian woodland, and a Blue Rock Thrush amongst the rocks. The surrounding puddles were good for butterflies, with Cardinal, Hungarian Glider, White Admiral, Comma, Orange-tip and Nettle-tree Butterfly seen.

After lunch, we crossed the river and headed uphill through steep rocky scrub, then along a grassy plateau to a viewpoint overlooking the gorge close to the edge of Khosrov National Park. The views here were spectacular,

whilst the area produced several new species for the holiday including Mountain Small White, Berger's Clouded Yellow, Sooty Copper, Black-veined White, Spotted Fritillary and Blue-spot Hairstreak.

In Garni, we changed vehicles again, and the hot weather tempted us into buying welcome ice creams from the temple kiosks. The final stop of the day was made on our way back to Yerevan, in a narrow valley near to Gaghadir. With water in short supply, several damp areas within the valley proved attractive to mud-puddling butterflies, especially blues. There were decent numbers of Common Blue, Silver-studded Blue and Brown Argus, together with Loew's Blue, Zephyr Blue, Amanda's Blue, Osiris Blue, Eastern Mazarine Blue and Eastern Brown Argus. A superb variety of other butterflies was present including large numbers of Small Skipper, plus Common Yellow Swallowtail, Freyer's Fritillary, Niobe Fritillary, Glanville Fritillary, Powdered Brimstone, Sandy Grizzled Skipper, Yellow-banded Skipper and the Green Hairstreak *Callophrys danchenkoi*. Birds here included a colony of Rock Sparrows nesting on a sandy cliff face at the valley entrance, Roller and Rock Bunting.

In the evening, over a cold drink, we completed our daily sightings log, and then sampled delicious Armenian cuisine in a nearby restaurant.

Day 3

Monday 27th June

Acharkut Beech Forest and Dilijan

Today we left Yerevan by 8am, as we had a 160-kilometre drive to reach our destination for the day, the Acharkut Beech Forest. 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. Quality birds seen along the journey included Egyptian Vulture and Black Stork.

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 spend a full day looking for butterflies along the forest trails as we walked back. In hot and sunny weather, there was plenty of activity along the tracks, especially where muddy pools had been created in pot-holed parts of the forest road due to recent wet weather and timber extraction by heavy vehicles. Species present along the tracks and surrounding scrubby meadows included large numbers of False Small White, together with Weavers' Fritillary, Heath Fritillary, Transcaucasian Fritillary, Hungarian Glider, Southern White Admiral, Marbled White, Dryad, Red Admiral, Short-tailed Blue, Brimstone, Speckled Wood, Comma, Cardinal, Heath Fritillary, Glanville Fritillary, Cyprus Grayling, Syrian Rock Grayling and Great Banded Grayling.

A picnic lunch was taken in a welcome shady picnic spot about three kilometres down the trail, marking the western limit of our walk, where Silver Washed Fritillary and Cardinal were seen together, allowing ideal comparison. After lunch, we headed back towards the reserve entrance, following a narrow and somewhat overgrown pathway through secondary woodland interspersed with steep grassy glades. This area produced numerous Pearly Heath and Brown Argus, plus a dozen or so Scotch Argus along with White Admiral, Small Blue, Berger's Clouded Yellow and Eastern Mazarine Blue. Moths present included Four-spotted Footman, the tiger moth *Amata marjana* ssp. *sheljukoi*, Spurge Hawk-moth and a dozen or so Humming-bird Hawk-moths. We were a bit out of season for woodland birds though Green Warbler was abundant, great views were obtained of a

stunning male Red-breasted Flycatcher, and the supporting cast included Golden Oriole, Dipper and Red-backed Shrike.

Our final leg of the day's journey saw us returning to Dilijan, for an overnight stop at the rustic Haghartsin Hotel, located just south of this spa town and set amongst hilly land clothed in Beech Forest. Redstart was singing in the hotel grounds when we arrived, whilst a Mother Shipton moth was seen in nearby grassland.

For dinner, we drove to a guest house in Dilijan and had a lovely meal 'al fresco' on the balcony, bathed in the warm evening sunshine. On our return to the hotel, we wandered around the grounds looking for moths, spotting a number of species with the aid of head torches. After this Mick, Tom and our driver, who were all keen football fans, headed into Dilijan to a backstreet bar, which was the only one in town showing the 2016 European football championship. Excitement turned to horror as England put on a woeful performance against Iceland, being beaten 2-1. At least the beer and company was good!

Day 4

Tuesday 28th June

Jajur Mountain Pass and Gyumri

Before breakfast, Tom and Tony took a walk from the hotel through Beech woodland, with the highlights being brief views of a Persian Squirrel, Dipper and several singing Green Warblers.

After breakfast, we were on our way again, driving west through beautiful mountain scenery for 90 kilometres or so, passing several Russian villages along the way and spotting the odd Black-eared Wheatear, before arriving at the Jajur mountain pass by mid-morning. Before lunch, we explored an area of open Pine woodland near to the road. This was a fantastic place for butterflies and with the bonus of perfect weather conditions, our visit today did not disappoint. The long list of species seen included many Gavarnie Blues, the Marsh Fritillary *Euphydryas provincialis*, Glanville Fritillary, large numbers of the rare Caucasian Heath, Transcaucasian Fritillary, Clouded Apollo, Dark Green Fritillary, Woodland Ringlet, Purple-shot Copper, Chapman's Blue, Amanda's Blue, Green-underside Blue, and our top target Mountain Alcon Blue. Orange-tip and three Pearl-bordered Fritillaries were seen highlighting the lateness of the season. Day-flying moths were numerous as well. Mountain Chiffchaffs were singing and showing well in this small woodland area, whilst Golden Eagle and Bearded Vulture (Lammergeier) were seen soaring overhead.

Lunch was taken by a monument near to the road, where large numbers of Gavarnie Blue butterflies were mud-puddling, together with Olive Skipper, Yellow-banded Skipper, Small Blue, Pontic Blue and Eastern Baton Blue. Our presence here was of interest to a family of visiting Russian tourists who were excited to learn that we were from England, leading to Tom having his photograph taken with them!

After lunch, we headed along a track up a mountain valley. Dingy Skipper, Glanville Fritillary, Gavarnie Blue, Woodland Ringlet, Small Blue, Osiris Blue and Caucasian Heath were common here, whilst Persian Skipper, Orbed Red-underwing Skipper and Purple-shot Copper were quality additions. There was considerable bird interest with Cuckoo, Whinchat, Red-backed Shrike, Ring Ouzel, Scarlet Rosefinch, Tree Pipit, Water Pipit, Rock Bunting and Rock Thrush seen.

After climbing a fair way up the track, we descended the mountain side to a scrub-fringed dried up stream bed. Walking back through this sheltered area proved highly productive with Sovinsky's Green Hairstreak and *provincialis* Marsh Fritillary commonly seen, together with Adonis Blue, Balkan Copper, Lesser Fiery Copper and Transcaucasian Fritillary.

After a fabulous day in the field, we drove south-west a short distance to Gyumri, the second largest city in Armenia, arriving late afternoon at our hotel; the lavishly ornate and opulent Hotel Alexandropol. Arriving fairly early gave time for us to explore the surrounding square and bustling market. Dinner was taken at a highly regarded 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, cheeses, soup and fish caviar for starters, the main course consisted of beautifully cooked char-grilled Sturgeon steaks. Afterwards, the maître d' showed us around the open plan kitchen where we watched a master class in traditional bread making by the restaurant's baker.

Day 5

Wednesday 29th June

Mount Aragats

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

Above Byurakan, we made our first stop in the Juniper zone, comprised of rocky scrub and flower-rich grassland. The weather was good though a little cooler than previous days given the higher altitude. Butterflies recorded here included Clouded Apollo, Clouded Yellow, Dingy Skipper, Spotted Fritillary, Glanville Fritillary, Berger's Clouded Yellow, Black-veined White, Hermit, Pontic Blue and Silver-studded Blue. This is a known good birding area and today did not disappoint with sightings including Long-legged Buzzard, White-throated Robin, Tawny Pipit, Ortolan Bunting, Ring Ouzel, Red-backed Shrike, Woodlark, and a stunning Barred Warbler in full breeding plumage.

A picnic lunch was taken further up the mountain in another area of Juniper scrub interspersed with open grassland and scree. A damp pasture in front of our picnic area yielded large numbers of Geranium Argus and Blue Argus. This is another good birding spot, and delivered the hoped for Radde's Accentor, together with Ortolan Bunting and Tree Pipit.

After lunch we visited a narrow, steep valley near the 7th century Amberd Castle. The track was damp here and attractive to mud-puddling butterflies, with Olive Skipper and Black-veined White being particularly common, along with Marbled Skipper, Yellow-banded Skipper and a variety of blues in close proximity, amongst them Pontic Blue, Zephyr Blue, Amanda's Blue, Common Blue, Eastern Mazarine Blue and Loew's Blue. Beyond the camp, the valley opened out into scrubby, rocky and boggy ground and a narrow stream. This was a good area for damp-loving butterflies, with Transcaucasian Fritillary, *Euphydryas provincialis* and Balkan Copper being among the highlights. Birds in the valley included Rock Thrush, Cetti's Warbler and Rock Bunting.

For our main stop of the afternoon we climbed further still, to one of the highest driveable points in Armenia; an area of flowery alpine grassland just below Kari Lake at an altitude of just over 3,000 metres, which supports the high altitude *Pieris* Bowden's White. The weather conditions were suitable for butterfly activity and it was probably about as warm as it gets up here, being nearly 20°C. There was a surprising amount of lepidoptera activity, including Bath White, Dingy Skipper and a strong westerly migration of Painted Lady which were passing through in ones and twos every minute or two. Other migrants included Small Tortoiseshell and two Diamondback Moths, the latter no doubt part of the huge migration seen across much of Europe in recent weeks. Bowden's White was more elusive than on recent trips, especially given the great weather. We eventually spotted one and by the end of our time at the site had seen five. Birding was productive in the area, with sightings including Horned Lark, Water Pipit, Alpine Accentor, Twite, Northern Wheatear and Alpine Chough.

From here, we had a 60-kilometre drive back to the Hotel Aviatrans in Yerevan. It was a lovely evening and we walked a short distance to a restaurant off Republic Square, where we enjoyed an excellent evening meal of traditional Armenian cuisine, intimately set in a private room. We had timed our short walk back to the hotel perfectly, because at the fountains of Republic Square there was a fantastic lights, music and water show.

Day 6

Thursday 30th June

Vedi and Lanjanist

Today we drove south for an hour or so from Yerevan along the flat Aras valley, where we saw Grey Heron and about 10 White Storks including several of their nests. With ongoing access problems to Khosrov Reserve, we were given a tip off by Karen Aghababayan of an alternative steppe and semi-desert site north of Vedi. We decided to give this a go in the morning and were not disappointed, as it turned out to be a fantastic place! The site consisted of open dry pasture and a near dried up stream bordered by low hills and associated ridges.

There was wildlife interest all the way through the valley, with low cliffs being especially attractive to butterflies for the surrounding shade and shelter from the sun they provided. Highlights included the skipper *Eogenes alcides*, False Marbled Skipper, Small Jewel Blue, Southern Small Heath, Saadi's Heath and White-edged Rockbrown. Birding was outstanding, with the long list of quality sightings including Egyptian Vulture, Long-legged Buzzard, Red-billed Chough, Lesser Grey Shrike, Roller, Short-toed Lark, Rufous-tailed Scrub Robin, both Eastern and Western Rock Nuthatches, Isabelline and Black-eared Wheatears, Rock Sparrow, Pale Rockfinch, Grey-necked Bunting and Desert Finch. The latter species was especially noteworthy as it was only discovered in Armenia as recently as in 2013! We also had incredible view of Upcher's Warbler, stretching its wings out, presumably after bathing.

After a picnic lunch near the entrance of Khosrov Reserve, we headed a short distance further east to a scrubby valley surrounded by mixed farmland near Lanjanist. This was another productive stop for butterflies, with sightings including Scarce Swallowtail, Dark Green Fritillary, Oriental Meadow Brown, Amasian Satyr, the Hairstreak *Satyrus abdominalis* and White-letter Hairstreak. Along a narrow stream in the valley bottom, there was a diverse ensemble of mud-puddling butterflies including Olive Skipper, Mountain Small White, Osiris Blue, Zephyr Blue, Eastern Brown Argus, Eastern Mazarine Blue, Pontic Blue, two rare Anomalous Blues restricted to Turkey and Armenia *Agrodiaetus erivanensis* and *Agrodiaetus surakovi*, Loew's Blue, Amanda's Blue, Nettle-tree Butterfly and Freyer's Fritillary. In the surrounding willow bushes, the bird highlight was an Olivaceous Warbler, whilst Rosy Starling were seen overhead.

After another memorable day in the field, it was time to drive further east through the Arenia wine growing region, where we stopped to buy/sample wine and vodka from local producers plying their goods along the main road. By early evening we arrived at the homely Hotel Arpa in Yeghegnadzor, a small town in southern Armenia 125 kilometres from Yerevan. Later, we drove to the outskirts of the town and had another intimate dinner at a family-run restaurant and boutique winery. We were treated to a superb meal of several courses, each with a different local wine fitting the food, and finished off with several varieties of home produced flavoured vodka including Persimmon, Cherry and Pomegranate! After dinner, we walked into the adjacent park and listened for Scops Owl, but did not hear any and a local person told us they had not been present this year.

Day 7

Friday 1st July

Gnishik and Noravank Gorge

With more lovely sunny weather this morning, we drove due south from Yeghednazour, climbing steep winding roads through mountainous terrain and spotting two Chukars along the way. Our destination was a series of stunning meadows near Gnishik, close to the Azerbaijan border. With beautiful, still and sunny weather, and outstanding scenery, it really was an idyllic setting to search for butterflies in optimal conditions.

The meadows were full of pretty wildflowers and of course butterflies. The extensive list of butterflies seen here included Olive Skipper, Yellow-banded Skipper, Clouded Apollo, Twin-spot Fritillary, Caucasian Spotted Fritillary, Glanville Fritillary, Knapweed Fritillary, Nickerl's Fritillary, Sovinsky's Green Hairstreak, Eastern Wood White, Balkan Copper, Idas Blue, Osiris Blue, Small Blue, Large Blue, Lesser Lattice Brown, Russian Heath, Pearly Heath, Esper's Marbled White, Woodland Ringlet, Oriental Meadow Brown, Marbled White and large numbers of Silver-studded Blues.

We then retraced our way back towards Arenia to take a picnic 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, False Marbled Skipper, Marbled Skipper, Niobe Fritillary, Odd-spot Blue, Oriental Meadow Brown, Dusky Meadow Brown, Blue-spot Hairstreak and the hairstreak *Nordmannia abdominalis*.

After lunch, we visited a track further up the valley near the Noravank Monastery, which was waterlogged in places. This proved another excellent place for mud-puddling butterflies, with the gathering including large numbers of Olive Skipper and Small Skipper, plus Inky Skipper, Persian Skipper, Nettle-tree Butterfly, Mountain Small White, Dark Green Fritillary, Spotted Fritillary, Niobe Fritillary, Eastern Brown Argus, Zephyr's Blue, Holly Blue, Loew's Blue, Silver-studded Blue, Pontic Blue, Eastern Mazarine Blue, *Agrodiaetus firdussi* and *Agrodiaetus turcicus*. High up in the gorge, three Wild Goats were seen.

Afterwards we parked near the 13th century monastery to buy much sought after ice creams and cold drinks. We then returned to Yerevan. For our final night in Yerevan, we transferred back to the Hotel Aviatrans and had another superb meal in a nearby restaurant.

Day 8

Saturday 2nd July

Yerevan Botanical Gardens and return to the UK

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. A highlight was an impressive total of around 50 Blue-spot Hairstreaks, together with large numbers of Common Blue, plus Cardinal, Queen of Spain Fritillary, Southern White Admiral, Hermit and Great Steppe Grayling. On the moth front, both Humming-bird Hawk-moth and Broad-bordered Bee Hawk-moth were seen, whilst birds recorded included Levant Sparrowhawk, Syrian Woodpecker and Hoopoe.

By 11.30am we were on our way to the airport, where we said our goodbyes to our driver and bird guide Hasmik Ter Voskanyan, who had looked after us fabulously well and been great company. 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 superb butterfly tour to this captivating country.

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L-R, Eastern Brown Argus, Odd-spot Blue, Eastern Brown Argus, Meleager's Blue, Eastern Mazarine Blue and an Anomalous Blue spp

Species Lists

Butterflies

Common name	Scientific name	June/July						
		26	27	28	29	30	1	2
Hesperiidae								
Eogenes (Hesperia)								
	<i>E. alcides</i>					2		
Thymelicus								
Southern Small Skipper	<i>T.sylvestris syriacus</i>	50	10	3	2	4	100	10
Essex Skipper	<i>T.lineola</i>	15				4	2	
Ochlodes								
Large Skipper	<i>O.sylvanus</i>		2	70	3	1		1
Erynnis								
Dingy Skipper	<i>E. tages unicolor</i>			80	40	10	5	
Inky Skipper	<i>E. marloyi</i>						1	
Carcharodus								
Marbled Skipper	<i>C. lavatherae tauricus</i>				1		1	
Oriental Skipper	<i>C. orientalis orientalis</i>	1				1		
False Marbled Skipper	<i>C.stauderi ambiguus</i>					1	3	
Orbed Red-underwing Skipper	<i>Spialia orbifer</i>			2			3	
Persian Skipper	<i>Spialia phlomidis</i>	1					1	
Pyrgus								
Yellow-banded Skipper	<i>P. sidae</i>	2		15	20	4	10	
Sandy Grizzled Skipper	<i>P. cinarae</i>	1						
Olive Skipper	<i>P. serratulae major</i>			4	40		70	
Obethür's Grizzled Skipper	<i>P. armoricanus persicus</i>	1						
Papilionidae								
Parnassius								
Clouded Apollo	<i>P. mnemosyne caucasia</i>			3	20			
Iphiclides								
Scarce Swallowtail	<i>I. podalirius persica</i>				2		2	
Papilio								
Common Yellow Swallowtail	<i>P. machaon syriacus</i>	3						
Pieridae								
Leptidea								
Eastern Wood White	<i>L. duponcheli lorcovici</i>						10	
Anthocharis								
Orange-tip	<i>A. cardamines</i>	1		5	3			
Aporia								
Black-veined White	<i>A. crataegi iranica</i>	3		4	40	2	8	
Pontia								
Bath White	<i>P. daplidice</i>	20	12		15	20	10	3
Artogeia (Pieris)								
False Small White	<i>Pieris pseudorapae</i>		300	10		1	5	
Bowdens White	<i>A. bowdeni</i>				5			
Mountain Small White	<i>A. ergane detersa</i>	1				2	50	
Pieris								
Large White	<i>P. brassica</i>		10	10	5		2	
Small White	<i>P. rapae</i>	25	20			10	2	1
Colias								
Clouded Yellow	<i>Colias croceus</i>	50+	10	15	15	10	5	10

Common name	Scientific name	June/July						
		26	27	28	29	30	1	2
Berger's Clouded Yellow	<i>C. alfacariensis fontainei</i>	1			10		6	
Gonepteryx								
Powdered Brimstone	<i>G. farinosa turcirana</i>	1	1				3	
Common Brimstone	<i>G. rhamni meridionalis</i>	6	20	1				1
Lycaenidae								
Lycaena								
Small Copper	<i>L. phlaeas</i>	20	3	1	5		3	
Thersamonolycaena								
Purple-shot Copper	<i>T. alciphron melibaeus</i>			12	5			
Thersamonia (Lycaena)								
Lesser Fiery Copper	<i>T. thersamon</i>			3				
Heodes								
Sooty Copper	<i>H. tityrus</i>	2	10	3		1	3	
Balkan Copper	<i>H. candens</i>				1		2	
Callophrys								
Sovinsky's Green Hairstreak	<i>C. chalybeitincta</i>			20	1		1	
	<i>C. danchenkoi</i>	1						
Nordmannia								
Blue Spot Hairstreak	<i>N. spini melantho</i>	10					10	50
	<i>N. abdominalis</i>						2	
White-letter Hairstreak	<i>N. w-album majuscula</i>					1		
Cupido								
Small Blue	<i>C. minimus</i>			150	10		10	
Osiris Blue	<i>C. osiris</i>	1		40	3	3	30	
Everes								
Short-tailed Blue	<i>E. argiades</i>		1					
Celastrina								
Holly Blue	<i>C. argiolus</i>	1	1	1		1	2	
Pseudophilotes								
Eastern Baton Blue	<i>P. vicrama schiffermuelleri</i>			1				
Glaucopsyche								
Green-underside Blue	<i>G. alexis aeruginosa</i>			10				
Maculinea								
Large Blue	<i>M. arion</i>						1	
Alcon Blue	<i>M. alcon monticola</i>			15				
Turanana								
Odd-spot Blue	<i>T. endymion</i>						10	
Plebejus								
Idas Blue	<i>P. idas altarmenus</i>						2	
Silver-studded Blue	<i>P. argus bellus</i>	30	1	2	1	1	120	
Small Jewel Blue	<i>P. christophi transcaucasius</i>					1		
Zephyr Blue	<i>P. pylaon</i>	1			2	2	5	
Plebejidea								
Loew's Blue	<i>P. loewii</i>	3				5	2	
Kretania (Plebejus)								
Eastern Brown Argus	<i>K. eurypilus</i>	2				10	5	
Aricia								
Brown Argus	<i>A. agestis sheljuzhkoi</i>	50	70	1	5	50	30	
Ultraaricia (Aricia/Lycaena)								
Blue Argus	<i>U. anteros</i>				50			
Eumedonia								

Common name	Scientific name	June/July						
		26	27	28	29	30	1	2
Geranium Argus	<i>E. eumedon kagizmanensis</i>				20			
Cyaniris								
Eastern Mazarine Blue	<i>C. bellis antiohena</i>	3	1	10	30	25	20	
Agriades								
Gavarnie(Balkan) Blue	<i>Agriades pyrenaicus araraticus</i>			300				
Neolysandra (Polyommatus)								
Pontic Blue	<i>N. alticola</i>			1	15	5	3	
Lysandra								
Adonis Blue	<i>L. bellargus</i>			10	20		2	
Meleageria								
Meleager's Blue	<i>M. daphnis versicolor</i>						1	
Polyommatus								
Common Blue	<i>P. icarus</i>	50	30	30	30	50	50	80
Chapman's Blue	<i>P. thersites ketshevana</i>			20	5		5	
Amanda's Blue	<i>P. amandus gina</i>	30	2	20	30	3	3	
Agrodiaetus								
	<i>A. eriwanensis</i>					6	5	
	<i>A. firdussii pseudactis</i>						10	
	<i>A. surakovi</i>					3		
	<i>A. turcicus</i>						1	
Libytheidae								
Libythea								
Nettle-tree Butterfly	<i>L. celtis</i>	1	50			1	15	
Esperarge								
Lesser Lattice Brown	<i>E. climene valentinae</i>						12	
Pararge								
Speckled Wood	<i>P. aegeria tircis</i>		8					
Lasiommata								
Wall Brown	<i>L. megera</i>	10	1		3	1	5	
Coenonympha								
Small Heath	<i>C. pamphylus</i>	10		15	10		4	
Southern Small Heath	<i>C. lyllus</i>					1		
Caucasian Heath	<i>C. symphita</i>			100				
Pearly Heath	<i>C. arcania caucasica</i>		12	2	2		20	
Russian Heath	<i>C. (leander) obscura</i>						1	
Saadi's Heath	<i>C. saadi</i>					1		
Maniola								
Meadow Brown	<i>M. jurtina strandiana</i>	10	60			20	50	70
Hyponephele								
Oriental Meadow Brown	<i>H. lupina transcaucasica</i>	2				10	3	
Dusky Meadow Brown	<i>H. lycaon</i>	1				1	10	
Erebia								
Woodland Ringlet	<i>E. medusa</i>			150	30		3	
Scotch Argus	<i>E. aethiops melusina</i>		12					
Melanargia								
Marbled White	<i>M. galathea satnia</i>		10	2			15	
Esper's Marbled White	<i>M. russiae caucasica</i>						5	
Balkan Marbled White	<i>M. larissa astanda</i>	70				15	3	
Satyrus								
Amasian Satyr	<i>S. amasinus</i>					8		
Minois								

Common name	Scientific name	June/July						
		26	27	28	29	30	1	2
Dryad	<i>M. dryas</i>		5					
Hipparchia								
Cyprus Grayling	<i>H. pellucida</i>		15					
Syrian Rock Grayling	<i>H. syriaca</i>		1					
White-edged Rock Brown	<i>H. parisatis macrophtalma</i>					2		
Brinthesia								
Great-banded Grayling	<i>B. circe venusta</i>		5		1			
Chasara								
Hermit	<i>C. briseis meridionalis</i>	30	1			30	20	1
Dark Rockbrown/Great Steppe Grayling	<i>C. persephone transiens</i>	10			4	15	15	1
Pseudochasara								
Klug's Tawny Rockbrown	<i>P. pelopea persica</i>	6				10	1	
	<i>P. schachrudensis</i>	1				1		
Turanian Rockbrown	<i>P. telephassa</i>					1		
Nymphalidae								
Limenitis								
Southern White Admiral	<i>L. reducta mirzajani</i>		30				2	3
White Admiral	<i>L. camilla</i>	1						
Neptis								
Hungarian Glider	<i>N. rivularis ludmilla</i>	3	15	3	1	3	3	
Vanessa								
Red Admiral	<i>V. atalanta</i>		6					
Painted Lady	<i>V. cardui</i>	10	10	6	40		5	
Inachis								
European Peacock	<i>I. io</i>		1					
Aglais								
Small Tortoiseshell	<i>A. urticae turcica</i>	1	2	3	5	1	1	
Polygonia								
Comma	<i>P. c-album</i>	2	5					
Melitaea								
Spotted Fritillary	<i>M. didima transcaucasica</i>	1		1	5		5	
Glanville Fritillary	<i>M. cinxia</i>	2	1	70	80	1	30	
Knapweed Fritillary	<i>M. phoebe</i>						5	
Freyer's Fritillary	<i>M. arduinna kocaki</i>	1				1	1	
	<i>M. vedica (turkmanika)</i>							
Melicta								
Heath Fritillary	<i>M. athalia</i>		1					
Transcaucasian Fritillary	<i>M. caucasogenita (Boloria)</i>		6	3	15			
Caucasian Spotted Fritillary	<i>M. ainterrupta</i>						1	
Nickerl's Fritillary	<i>M. aurelia ciscaucasica</i>						10	
Argynnis								
Silver-washed Fritillary	<i>A. paphia</i>		3			2	1	
Cardinal	<i>A. pandora</i>	20	40	5	6	1	10	1
Dark Green Fritillary	<i>A. aglaja ottomana</i>			2	1	1	3	
Niobe Fritillary	<i>A. niobe gigantea</i>	1	2				1	
Issoria								
Queen of Spain Fritillary	<i>I. lathonia</i>	30	15	30	10	1	10	10
Brenthis								
Twin Spot Fritillary	<i>B. hecate transcaucasica</i>						1	
Clossiana								
Weaver's Fritillary	<i>C. dia calida</i>		2					

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		26	27	28	29	30	1	2
Pearl-bordered Fritillary	<i>C. euphrosyne</i>			3				
<i>Euphydryas</i>								
<i>a marsh fritillary</i>	<i>E. provincialis</i>			50	50			

Birds (✓=recorded but not counted)

1	Chukar Partridge	<i>Alectoris chukar</i>						2	
2	Common Quail	<i>Coturnix coturnix</i>						3+	
3	Black Stork	<i>Ciconia niger</i>		1					
4	White Stork	<i>Ciconia ciconia</i>					10	30	
5	Grey Heron	<i>Ardea cinerea</i>					1		
6	Bearded Vulture	<i>Gypaetus barbatus</i>			1				
7	Egyptian Vulture	<i>Neophron percnopterus</i>		1			1		
8	Western Marsh Harrier	<i>Circus aeruginosus</i>						1	
9	Levant Sparrowhawk	<i>Accipiter brevipes</i>							1
10	Northern Goshawk	<i>Accipiter gentilis</i>			1				
11	Common Buzzard	<i>Buteo buteo</i>			1	5			
12	Long-legged Buzzard	<i>Buteo rufinus</i>	1			2	4		
13	Golden Eagle	<i>Aquila chrysaetos</i>			2				
14	Common Kestrel	<i>Falco tinnunculus</i>	1						
15	Eurasian Hobby	<i>Falco subbuteo</i>						2	
16	Armenian Gull	<i>Larus armenicus</i>		20				4	
17	Black Tern	<i>Chlidonias niger</i>					1		
18	Rock Dove	<i>Columba livia</i>				✓			
19	Common Wood Pigeon	<i>Columba palumbus</i>			1			1	2
20	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2		2				
21	Common Cuckoo	<i>Cuculus canorus</i>			1				
22	Alpine Swift	<i>Tachymarptis melba</i>	5	2					
23	Common Swift	<i>Apus apus</i>	200	70	✓	✓	✓	✓	✓
24	European Roller	<i>Coracias garrulus</i>	2			1	1	3	
25	European Bee-eater	<i>Merops apiaster</i>	7		1	3	2	3	
26	Eurasian Hoopoe	<i>Upupa epops</i>	3			1	6		2
27	Syrian Woodpecker	<i>Dendrocopos syriacus</i>	2					1	2
28	Great Spotted Woodpecker	<i>Dendrocopos major</i>		3	1				
29	Red-backed Shrike	<i>Lanius collurio</i>		3	3	7	2		
30	Lesser Grey Shrike	<i>Lanius minor</i>	2				3	1	
31	Eurasian Golden Oriole	<i>Oriolus oriolus</i>	1	1			2		
32	Eurasian Jay	<i>Garrulus glandarius</i>		3	2	1		1	
33	Eurasian Magpie	<i>Pica pica</i>	10	✓	✓	✓	✓	✓	10
34	Red-billed Chough	<i>Pyrrhocorax pyrrhocorax</i>					38		
35	Alpine Chough	<i>Pyrrhocorax graculus</i>				2			
36	Western Jackdaw	<i>Coloeus monedula</i>	✓		3	3	2		1
37	Rook	<i>Corvus frugilegus</i>				2	1	2	
38	Hooded Crow	<i>Corvus cornix</i>	✓	1	1	10	3	2	2
39	Northern Raven	<i>Corvus corax</i>		1	1				
40	Great Tit	<i>Parus major</i>		2	✓				
41	Eurasian Blue Tit	<i>Cyanistes caeruleus</i>	2	✓	✓		2		✓
42	Greater Short-toed Lark	<i>Calandrella brachydactyla</i>					1		
43	Crested Lark	<i>Galerida cristata</i>	10				30		
44	Woodlark	<i>Lullula arborea</i>				1			
45	Eurasian Skylark	<i>Alauda arvensis</i>				5		2	
46	Horned Lark	<i>Eremophila alpestris</i>				2			

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			26	27	28	29	30	1	2
47	Barn Swallow	<i>Hirundo rustica</i>	✓	✓	✓	✓	✓	✓	✓
48	Eurasian Crag Martin	<i>Ptyonoprogne rupestris</i>	20					5	
49	Common House Martin	<i>Delichon urbicum</i>	200	✓			50		
50	Cetti's Warbler	<i>Cettia cetti</i>	1			1	2	2	
51	Long-tailed Tit	<i>Aegithalos caudatus</i>						10	
52	Mountain Chiffchaff	<i>Phylloscopus sindianus</i>		1	5				
53	Green Warbler	<i>Phylloscopus nitidus</i>		20	5				
54	Eastern Olivaceous Warbler	<i>Iduna pallida</i>					1		
55	Upcher's Warbler	<i>Hippolais languida</i>	4				6		
56	Eurasian Blackcap	<i>Sylvia atricapilla</i>		10	1				
57	Lesser Whitethroat	<i>Sylvia curruca</i>	3					1	
58	Common Whitethroat	<i>Sylvia communis</i>		1	6	2	2	10	2
59	Eurasian Wren	<i>Troglodytes troglodytes</i>		1	1	1			
60	Western Rock Nuthatch	<i>Sitta neumayer</i>	5			2	2		
61	Eastern Rock Nuthatch	<i>Sitta tephronota</i>	3				1		
62	Eurasian Treecreeper	<i>Certhia familiaris</i>		1					
63	Rosy Starling	<i>Pastor roseus</i>			1	10	40		
64	White-throated Dipper	<i>Cinclus cinclus</i>		2	1	1			
65	Ring Ouzel	<i>Turdus torquatus</i>			2	1			
66	Common Blackbird	<i>Turdus merula</i>		1	1	1	1	1	
67	Song Thrush	<i>Turdus philomelos</i>		1	1				
68	European Robin	<i>Erithacus rubecula</i>	2	1	1				
69	Common Nightingale	<i>Luscinia megarhynchos</i>						1	
70	White-throated Robin	<i>Irania gutturalis</i>				3			
71	Rufous-tailed Scrub Robin	<i>Erythropygia galactotes</i>	3				4		
72	Black Redstart	<i>Phoenicurus ochruros</i>	2		1	2	1		
73	Common Redstart	<i>Phoenicurus phoenicurus</i>		2	2				
74	Siberian Stonechat	<i>Saxicola maurus</i>						1	
75	Isabelline Wheatear	<i>Oenanthe isabellina</i>	7				30		
76	Northern Wheatear	<i>Oenanthe oenanthe</i>				10			
77	Black-eared Wheatear	<i>Oenanthe hispanica</i>			4		4		
78	Common Rock Thrush	<i>Monticola saxatilis</i>			1				
79	Blue Rock Thrush	<i>Monticola solitarius</i>	2						
80	Red-breasted Flycatcher	<i>Ficedula parva</i>		3					
81	House Sparrow	<i>Passer domesticus</i>	✓	✓	✓	✓	✓	✓	✓
82	Pale Rockfinch	<i>Carpospiza brachydactyla</i>	2				1		
83	Rock Sparrow	<i>Petronia petronia</i>	10				6		
84	Alpine Accentor	<i>Prunella collaris</i>				1			
85	Radde's Accentor	<i>Prunella ocularis</i>				2			
86	Dunnock	<i>Prunella modularis</i>			2				
87	Grey Wagtail	<i>Motacilla cinerea</i>	2	4					
88	White Wagtail	<i>Motacilla alba</i>	1	6	3	2	2	1	
89	Tawny Pipit	<i>Anthus campestris</i>				2		1	
90	Tree Pipit	<i>Anthus trivialis</i>			2	2			
91	Water Pipit	<i>Anthus spinoletta</i>			1	2			
92	Common Chaffinch	<i>Fringilla coelebs</i>		20	✓	✓			2
93	European Greenfinch	<i>Chloris chloris</i>		2					
94	European Goldfinch	<i>Carduelis carduelis</i>			5		8	✓	
95	Twite	<i>Linaria flavirostris</i>				1			
96	Common Linnet	<i>Linaria cannabina</i>	3		6	10	2	✓	
97	Desert Finch	<i>Rhodospiza obsoleta</i>					4		

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			26	27	28	29	30	1	2
98	Common Rosefinch	<i>Carpodacus erythrinus</i>		3	10	1			
99	Eurasian Bullfinch	<i>Pyrrhula pyrrhula</i>		2	1				
100	Corn Bunting	<i>Emberiza calandra</i>	10	2	1	5		2	
101	Grey-necked Bunting	<i>Emberiza buchanani</i>					3		
102	Rock Bunting	<i>Emberiza cia</i>	1		1	2		2	
103	Ortolan Bunting	<i>Emberiza hortulana</i>					3		
104	Black-headed Bunting	<i>Emberiza melanocephala</i>	15		1	5	10	10	