

Butterflies of Croatia

Naturetrek Tour Report

7 - 14 June 2009



Amanda's Blue male



Lesser Spotted Fritillary



False Heath Fritillary



Southern Comma

Report compiled by Vic Tucker

Images courtesy of Peter Bruce-Jones



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Introduction

This was Naturetrek's inaugural butterfly tour to this relatively recently war-torn country, and very little visited by most European butterfly enthusiasts. In fact, this was the very first such specialist butterfly visit by any British wildlife tour company.

Lepidoptera are relatively little-studied here. The rather scant published information, including very recently published books, inaccurately record status and distribution of some species. Also, perhaps some of the better butterfly localities are imprecisely known, added a pioneering flavour to this venture! That this mainly long, slimly shaped country hosts many exciting butterflies is however not in question.

Our aim was to endeavour to seek them out and perhaps, add to, or highlight knowledge of their haunts and the butterflies they may contain, within the districts we were visiting. Thankfully the very varied, rich habitats which still occur are in good part due to the extensively hilly and mountainous nature of the country. This terrain does not lend itself to intensive agriculture practices, and more traditional pastoral methods are generally the order anyway.

Day 1

Sunday 7th June

Weather: Thundery rain, cool and windy: not the best of weather welcomes!

Our first day was taken up with travel out of Heathrow via Croatian Airlines into the compact and easily negotiated Zagreb airport, where the group met up with Gerard Gorman, our well-known local guide, who had put this trip together following several years of careful but challenging research as there are few field lepidopterists in Croatia. We headed off in the rain travelling in our minibus to our comfortable, modern, cottage-style hotel. We were expertly driven by Attila, who, in addition to driving, also handed out copious cold drinks and set up the picnic lunches each day.

Day 2

Monday 8th June

Weather: Mainly clear skies, windless and hot. Ideal!

What a difference a day makes! Our well-situated hotel overlooked the wooded hills of Plitvice National Park, a UNESCO World Heritage Site. A path to the rear of our hotel led out to an interesting area of trees and a rock-strewn spot sandwiched between farmland, favouring the attentions of the keen dawn patrol. Any hotel boasting singing Golden Orioles, Black-headed Buntings and Bee-eaters overhead can't be bad. Among the morning's first few butterflies: attractive Pearly Heath and challenging Nickerl's Fritillary.

Though not specifically visited for its butterflies, the park's breathtaking spectacles of dramatic waterfalls and a series of deep, turquoise-coloured lakes really is a must-see experience. Our woodland walk went beside the lakes, seeing a few butterflies, birds, dragonflies and a display of Karst-loving wild flowers which was a botanist's dream. Eventually reaching the largest lake, we joined a ferryboat which took us to rejoin our minibus. Unmissable as these truly impressive water features are, it is a major tourist attraction, which is not the usual Naturetrek scene, and it was time to move on. Several notable species along our leisurely walk were Chequered Blue, Edible Frog, a sunning Dalmatian Wall Lizard and some Sombre Tits.

Now to concentrate on our key objective...Gerard told us of a "butterfly-filled meadow" he knew and so following a relatively short drive, we arrived at the southern sector of the National Park and indeed a large, gloriously grassy basin surrounded by the park's massive wooded hills. Our first picnic lunch, then into the fray! Butterflies abounded! A mesmerizing array of families represented and intermingling: the obvious, such as graceful Back-veined Whites, dramatic Scarce Swallowtail, vivid Southern Festoon, Clouded Apollos and brilliant orange Purple-edged Coppers as well as perhaps more familiar Small Tortoiseshells and Painted Ladies. Pleasing were more Amanda's Blues than anyone in the group had ever seen together before, a Europe-wide declining species. Small and Chestnut Heaths and Safflower, Grizzled and Oberthur's Grizzled Skippers threw up identification challenges. Meanwhile, other blues, browns, yellows and fritillaries demanded our attention. The drive back to our hotel saw our elated group well rewarded with our action-packed first full day. All kept busily deployed observing the dramatic scenery and exciting species we had travelled to see.

Day 3

Tuesday 9th June

Weather: Much as yesterday.

The early risers again encountered various notable wildlife which included Green Hairstreaks and our only Short-tailed Blue of the trip. Following a good breakfast, our route towards our next base on the shores of the Adriatic Sea climbed over the Velebit mountain range. At a high spot imparting panoramic views overlooking both mountains and the Adriatic Sea, along with its close-by islands, is where we spent much of the afternoon, giving us a selection of high altitude butterflies, differing from those at earlier lower elevation stop-offs.

Particularly notable species today: Southern Small White, Cleopatra, curious Nettle-tree Butterfly and Balkan Marbled White. Our first large fritillaries were Silver-washed and High Brown. Common Glider was seen only by a lucky few, but Hungarian Glider by all. Less showy Wall Brown, Large Wall Brown, Grayling and Eastern Rock Grayling were identified, along with several Blue Argus. At lower elevations, Amanda's Blues continued in surprisingly good numbers. Taxing some of us, the often perplexing skippers were well in evidence: Dingy, Mallow, Safflower, Grizzled, Essex, Small, Lulworth and Large.

The birdwatchers were pleased with good views of Woodlarks, Tree, Tawny and Water Pipits, Alpine Choughs and Alpine Swifts, Ortolan and Rock Bunting along with ubiquitous Red-backed Shrikes! So ended our event-filled day well pleased with the superb land and sea-scapes, and of course butterflies.

Day 4

Wednesday 10th June

Weather: Heavy overnight rain gave way to a mainly sunny morning, becoming very warm and humid through the afternoon. Crucially, it remained dry.

Our next hotel lies close to the Paklenica National Park, its vistas overlooking tree-lined farmland, the sea and a large island, allowing scenic walks prior to our daily excursions. Much of the day was rightly spent at a scenically wonderful high spot, where a narrow, rough track was taken through typical rocky mountain scrubland lined with a diverse flora, which in turn attracted several much hoped for butterflies to drink from them.

A large group of ‘puddling’ Southern Small Whites allowed good photographic opportunities, as did flower-imbibing Large Wall Browns, an obliging Southern Comma, Southern White Admirals and Niobe Fritillaries. Large numbers of Ilex and Blue-spot Hairstreaks, Small and Silver-studded Blues and Brown Argus comprised some of the small species present, among a plethora of species previously encountered. This venue, with its clouds of butterflies, certainly filled the bill.

Later that afternoon we walked through a deep gorge which turned out to be particularly good for birds (and much else) typical of these montane habitats. Of special interest today were: wild Rock Doves, Rock and Blue Rock Thrushes, Black-eared Wheatear, Alpine Swift, Crag Martin, Rock Nuthatch and Subalpine and Eastern Orphean Warblers. An endemic lizard, the Dalmatian Algyroides, impressed.

An unhurried but eventful day achieved its aims – providing an exceptionally varied range of wildlife within dramatic settings, all of which demanded our attention. Our return to our very friendly hotel and excellent dinner left us replete.

Day 5

Thursday 11th June

Weather: Cloudless skies – very hot

The surrounds of our hotel proved productive for “herps”, discovered by the pre-breakfast brigade, including European Green Lizard, the legless and thus snake-like Glass Lizard, and a Hermann’s Tortoise. On the bird front, Nightingale, Serin and Cirl Bunting were especially common here.

We spent the morning within ‘hot rock’ habitats, remaining higher in the park during the morning. During the sweltering afternoon we walked the route of an ancient stone road at the foot of the hills back to our hotel. Here, shading trees allowed some respite. The small grassy fields, surrounding hedges and stone walls of small farmsteads provided varied habitats. Though butterfly numbers were not as high as in previous areas, several seen here were not seen elsewhere, namely: several Great Sooty Satyrs, a couple of elusive, fast-flying Little Tiger Blues, dramatic Great Banded Grayling, Woodland Grayling and Tufted Marbled Skipper, whilst these areas certainly favoured Blue-spot Hairstreaks and Southern Commas among others, preferring more arid locales.

Birds of these environs included good numbers of Golden Orioles breeding in habitat far removed from lush overgrowth and Poplar-strewn venues often associated with them. Wrynecks were common, as were Spanish Sparrows. Hoopoe and an obliging pair of Black-eared Wheatears all helped mark multifarious highlights of another different and productive day for the generalists and specialists alike.

Day 6

Friday 12th June

Weather: Thundery showers during the early morning, clearing to give a warm, mostly sunny day

Changeover day also signalled an unexpectedly rapid transition from exposed, rocky, maritime southern slopes growing typical Mediterranean-type pines, oaks and coarse scrub to the landward continental slopes – a marked contrast, heavily wooded with tall deciduous trees and lush growth rampant with wild flowers.

At a high, verdant pass in the Central Velebits, previously seen species suddenly reappeared, though new were Bright-eyed Ringlets – including some confusingly variable forms. A group of Crossbills were new. Searching for ‘creepy-crawlies’, as they often did, Russell and Sara certainly found some very creepy crawlies indeed under logs - scorpions! They were viewed with apprehension by the remainder of our party.

Another high-elevation site simply abounded in butterflies, adding two new species, Wood White and Marsh Fritillary – the law of diminishing returns beginning to apply. However, that statement hides such stunning gems as a ‘clump’ of over 20 mud-puddling Amanda’s Blues, well-named Sooty, also the brilliance of Purple-shot and Purple-edged Coppers, Queen of Spain and Twin-spot Fritillaries to name a few. A pair of Lesser Spotted Woodpeckers gave excellent views.

A final low-elevation stop on a warm, close-cropped grassy bank, edged with bushes and trees, provided the spectacle of a Lime tree shimmering with well over 100 Marbled Whites drinking from its flowers. Here too were plentiful commoner warm grassland butterflies: heaths, skippers and browns especially. Then onward to our final destination, again well pleased with our combined efforts!

Day 7

Saturday 13th June

Weather: Mainly clear skies, very warm

Our last full day in the field was spent wholly above 1000m in wooded glades and flowery meadows in the northern sector of the excellent Velebit Nature Park, which is a UNESCO Biosphere Reserve. Yet another really good day was in prospect, catering for the group’s diverse interests. New butterflies continued to be logged, this time our only Swallowtail, Orange Tip, Idas Blue, Dark Green Fritillaries and Lesser Purple Emperor of the trip and only our second sightings of Grizzled and Oberthur’s Grizzled Skippers, Nettle-trees, Common Glider, Pearl-bordered Fritillary and Great Banded Grayling. Among other scarcer species previously encountered included several Duke of Burgundy, and many Eastern Bath Whites. One small flowery field teemed with Painted Ladies amid swarms of other ‘aerial flowers’, as well as a real flower: vivid spikes of majestic Orange Lily.

A local endemic lizard, Horvath’s Rock, was photographed by John, the only person to see it.

Although not a moth recording trip, several of our number were knowledgeable 'moth-ers', identifying all they could, especially as there were large numbers of day-flyers. However, even those non-moth-ers amongst us were suitably awed by the group of feeding Hummingbird Hawk-moths accompanied by three Broad-bordered Bee Hawk-moths in starring roles! Thus ended our final, full, very active and rewarding day in the field...

Day 8

Sunday 14th June

Weather: Clear skies, hot

Our final day, basically taken up with our reluctant return to Zagreb Airport, left time only for the early risers to stroll around the quiet village roads and farm tracks, nonetheless seeing birds like Red-backed and Lesser Grey Shrikes, singing Black Redstarts, Serins and flocks of Tree Sparrows. Among the first sunning butterflies to spread their wings were Knapweed and Lesser Spotted Fritillaries. Effectively this final foray ended our field observations.

Summary: Our final tally, as certainly logged by the group as a whole, stands at a very respectable 91 species. By any standards this must be viewed as an extremely successful holiday, especially considering the natural degree of uncertainty as to exactly what species to expect at each new location, selected for the probability of a diverse range of butterflies. That a host of other wildlife interests crowded in, combined with superlative scenery, all added to our lasting memories of the treasures troves Croatia has to offer.

Among those butterflies encountered were Europe-wide scarce, rare and/or declining species which are still found in good numbers in Croatia. The vast majority were either seen or photographed by the whole group. Certainly contributing towards this most successful outcome was the way in which the group quickly gelled into a friendly, cooperative team effort. Well done, everyone.

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Species Lists

Note: Numbers fewer than 10 are enumerated. Numbers over 10 are represented by a ✓ unless otherwise shown.

Butterflies

	Common name	Scientific name	June								
			7	8	9	10	11	12	13	14	
1	Swallowtail	<i>Papilio machaon</i>								1	
2	Scarce Swallowtail	<i>Iphiclides podalirius</i>		1	✓	✓	✓	✓	✓	✓	
3	Southern Festoon	<i>Zerynthia polyxena</i>		2	1						
4	Clouded Apollo	<i>Parnassius mnemosyne</i>		5	1	1					
5	Black-veined White	<i>Aporia crataegi</i>		✓	✓	✓	✓	✓	✓		
6	Large White	<i>Pieris brassicae</i>			✓	✓			1	✓	
7	Small White	<i>Artogeia rapae</i>		✓	✓					2	
8	Green-veined White	<i>Artogeia napi</i>			✓					✓	
9	Southern Small White	<i>Pieris manni</i>			1	✓				✓	
10	Orange Tip	<i>Anthrocharis cardamines</i>								1	
11	Clouded Yellow	<i>Colias crocea</i>		3	✓	✓	✓	✓	✓	✓	
12	Brimstone	<i>Gonepteryx rhamni</i>		5	✓	✓			✓	✓	
13	Cleopatra	<i>Gonepteryx cleopatra</i>			2	3	1			2	
14	Wood White	<i>Leptidea sinapis</i>							2	2	
15	Ilex Hairstreak	<i>Satyrium ilicis</i>					✓	✓		1	
16	Blue-spot Hairstreak	<i>Satyrium spini</i>					✓	✓			
17	Green Hairstreak	<i>Callophrys rubi</i>		1	4	1			5	1	
18	Sooty Copper	<i>Lycaena tityrus</i>		1	1				4	1	
19	Purple-shot Copper	<i>Lycaena alciphron</i>							3	2	
20	Purple-edged Copper	<i>Lycaena hippothoe</i>		4	1				4	1	
21	Little Tiger Blue	<i>Tarucus balkanicus</i>						2			
22	Short-tailed Blue	<i>Everes argiades</i>			1						
23	Holly Blue	<i>Celastrina argiolus</i>		1	1	1					
24	Small Blue	<i>Cupido minimus</i>		4	1	1	1	1	1	1	
25	Eastern Baton Blue	<i>Pseudophilotes vicrama</i>			1						
26	Chequered Blue	<i>Scolitantides orion</i>		1		1					
27	Silver-studded Blue	<i>Plebejus argus</i>				✓	✓	✓	✓	✓	
28	Idas Blue	<i>Plebejus idas</i>							1		
29	Reverdin's Blue	<i>Plebejus argyrognomon</i>		1	3						
30	Amanda's Blue	<i>Agrodiaetus amanda</i>		40+	✓	✓	30+	✓			
31	Adonis Blue	<i>Lysandra bellargus</i>		4	✓	✓	✓	✓	✓	✓	
32	Common Blue	<i>Polyommatus icarus</i>		✓	✓	✓	✓	✓	✓	✓	
33	Geranium Argus	<i>Eumedonia eumedon</i>		1	3					2	
34	Brown Argus	<i>Aricia agestis</i>		5	✓	✓	✓	✓	✓	2	
35	Blue Argus	<i>Ultraaricia anteros</i>			4						
36	Duke of Burgundy	<i>Hamearis lucina</i>		1	1				1	7	
37	Nettle Tree Butterfly	<i>Libythea celtis</i>			3					4	
38	Lesser Purple Emperor	<i>Apatura ilia</i>								1	
39	Southern White Admiral	<i>Limenitis reducta</i>				✓	1				
40	Common Glider	<i>Neptis sappho</i>			1						
41	Hungarian Glider	<i>Neptis rivularis</i>			5						
42	Small Tortoiseshell	<i>Aglias urticae</i>		✓	1					✓	
43	Peacock	<i>Inachis io</i>				1					
44	Painted Lady	<i>Vanessa cardui</i>		✓	✓	✓	✓	✓	✓	✓	

	Common name	Scientific name	June							
			7	8	9	10	11	12	13	14
45	Comma	<i>Polygonum c-album</i>					1	1	3	
46	Southern Comma	<i>Polygonum egea</i>				1	7			
47	Silver-washed Fritillary	<i>Argynnis paphia</i>			1	2			✓	
48	High Brown Fritillary	<i>Argynnis adippe</i>			1					
49	Niobe Fritillary	<i>Fabriciana niobe</i>				2	3			
50	Dark Green Fritillary	<i>Mesoacidalia aglaja</i>								3
51	Queen of Spain Fritillary	<i>Issoria lathonia</i>					1	2	✓	
52	Twin-spot Fritillary	<i>Brenthis hecate</i>		1					✓	4
53	Marbled Fritillary	<i>Brenthis daphne</i>			1			2		
54	Pearl-bordered Fritillary	<i>Clossiana euphrosyne</i>			1					5
55	Glanville Fritillary	<i>Melitaea cinxia</i>		✓	✓		✓	✓	✓	
56	Knapweed Fritillary	<i>Melitaea phoebe</i>						1	1	
57	Spotted Fritillary	<i>Melitaea didyma</i>		✓			4		✓	
58	Lesser Spotted Fritillary	<i>Melitaea fascelis</i>								1
59	False Heath Fritillary	<i>Melitaea diamina</i>		2						
60	Heath Fritillary	<i>Mellicta athalia</i>			1					
61	Nickerl's Fritillary	<i>Mellicta aurelia</i>		✓			✓	✓	✓	
62	Marsh Fritillary	<i>Eurodryas aurinia</i>						2		
63	Marbled White	<i>Melanargia galathea</i>		6		1		✓	✓	
64	Balkan Marbled Marbled White	<i>Melanargia larissa</i>			3	2	✓			
65	Woodland Grayling	<i>Hipparchia fagi</i>					3	1		
66	Eastern Rock Grayling	<i>Hipparchia syriacha</i>			1					
67	Grayling	<i>Hipparchia semele</i>			✓	✓				✓
68	Great Sooty Satyr	<i>Satyrus ferrula</i>					4			
69	Great Banded Grayling	<i>Kanetisa circe</i>					1			1
70	Woodland Ringlet	<i>Erebia medusa</i>		✓	✓					✓
71	Bright-eyed Ringlet	<i>Erebia oeme</i>						✓		
72	Speckled Wood	<i>Pararge aegeri</i>		✓						1
73	Wall Brown	<i>Lasiommata megera</i>			1	1				1
74	Large Wall Brown	<i>Lasiommata maera</i>			2	✓	✓	1	1	
75	Meadow Brown	<i>Maniola jurtina</i>		✓	✓	✓	✓	✓	✓	
76	Small Heath	<i>Coenonympha pamphilus</i>		✓	✓	✓		✓	✓	
77	Pearly Heath	<i>Coenonympha arcania</i>		✓	✓	✓	✓	✓	✓	
78	Chestnut Heath	<i>Coenonympha glycerion</i>		✓	✓	✓	✓	✓	✓	
79	Grizzled Skipper	<i>Pyrgus malvae</i>		✓	✓	✓	✓			✓
80	Oberthur's Grizzled Skipper	<i>Pyrgus armoricanus</i>		1						1
81	Olive Skipper	<i>Pyrgus serratulae</i>								1
82	Safflower Skipper	<i>Pyrgus carthami</i>		2	✓	✓	2	2		
83	Hungarian Skipper	<i>Spilalia orbifer</i>		1						
84	Mallow Skipper	<i>Carcharodus alceae</i>				✓	2			
85	Marbled Skipper	<i>Carcharodus lavatherae</i>			1	1				
86	Tufted Marbled Skipper	<i>Carcharodus flocciferus</i>					1	1		
87	Dingy Skipper	<i>Erynnis tages</i>		2	6	2		3	3	
88	Lulworth Skipper	<i>Thymelicus acteon</i>				✓	✓	✓		
89	Essex Skipper	<i>Thymelicus lineola</i>				4	3			
90	Small Skipper	<i>Thymelicus flavus</i>			1	✓	✓			
91	Large Skipper	<i>Ochlodes venatus</i>		✓	3	✓	✓	✓	✓	

	Common name	Scientific name	June						
			7	8	9	10	11	12	13

Birds (h = heard only)

1	Cormorant	<i>Phalacrocorax carbo</i>			2	2				
2	Grey Heron	<i>Ardea cinerea</i>		✓						
3	Mute Swan	<i>Cygnus olor</i>							2	
4	Mallard	<i>Anas platyrhynchos</i>		✓						
5	Marsh Harrier	<i>Circus aeruginosus</i>		1						
6	Sparrowhawk	<i>Accipiter nisus</i>					1			
7	Common Buzzard	<i>Buteo buteo</i>		✓	✓		✓	✓	✓	
8	Common Kestrel	<i>Falco tinnunculus</i>		✓	✓		sev			
9	Pheasant	<i>Phasianus colchicus</i>			h		h	h		
10	Common Quail	<i>Coturnix coturnix</i>		h						
11	Corncrake	<i>Crex crex</i>		h						
12	Coot	<i>Fulica atra</i>							3	
13	Yellow-legged Gull	<i>Larus cachinnans</i>		✓	✓	✓	✓	✓	✓	
14	Rock Dove	<i>Columba livia</i>				2				
15	Collared Dove	<i>Streptopelia decaocto</i>		✓	✓	✓	✓	✓		
16	Turtle Dove	<i>Streptopelia turtur</i>		✓	✓	✓	✓	✓		
17	Cuckoo	<i>Cuculus canorus</i>		✓	✓	✓	✓	✓	h	
18	Scops Owl	<i>Otus scops</i>				h				
19	Swift	<i>Apus apus</i>			✓					
20	Alpine Swift	<i>Apus melba</i>			✓	✓	2			
21	Hoopoe	<i>Upupa epops</i>					2			
22	Bee-eater	<i>Merops apiaster</i>		1						
23	Grey-headed Woodpecker	<i>Picus canus</i>							h	
24	Great-spotted Woodpecker	<i>Dendrocopos major</i>						1	h	
25	Lesser-spotted Woodpecker	<i>Dendrocopos minor</i>			1			2		
26	Wryneck	<i>Jynx torquilla</i>		2	1	1	✓	h	1	
27	Woodlark	<i>Lullula arborea</i>			6			1	4	
28	Skylark	<i>Alauda arvensis</i>		✓	✓		✓	✓	2	
29	Crag Martin	<i>Ptyonoprogna rupestris</i>				1	1			
30	House Martin	<i>Delichon urbica</i>		✓	✓	✓	✓	✓	✓	
31	Swallow	<i>Hirundo rustica</i>		✓	✓	✓	✓	✓	✓	
32	Tree Pipit	<i>Anthus trivialis</i>			1				✓	
33	Water Pipit	<i>Anthus spinoletta</i>			1					
34	Tawny Pipit	<i>Anthus campestris</i>			1		1	1		
35	White Wagtail	<i>Motacilla alba</i>		✓	✓	✓	✓	✓	✓	
36	Grey Wagtail	<i>Motacilla cinerea</i>		5					1	
37	Nightingale	<i>Luscinia megarhynchos</i>		2	✓	✓	✓	✓	✓	
38	Robin	<i>Erithacus rubecula</i>		1	1					
39	Stonechat	<i>Saxicola torquata</i>			3				1	
40	Whinchat	<i>Saxicola rubetra</i>		3						
41	Black Redstart	<i>Phoenicurus ochruros</i>		✓	✓		✓	✓	✓	
42	Northern Wheatear	<i>Oenanthe oenanthe</i>			2				2	
43	Black-eared Wheatear	<i>Oenanthe hispanica</i>				6				
44	Rock Thrush	<i>Monticola saxatilis</i>				1				
45	Blue Rock Thrush	<i>Monticola solitarius</i>				sev	✓			
46	Blackbird	<i>Turdus merula</i>		✓	✓	✓	✓	✓	✓	
47	Great Reed Warbler	<i>Acrocephalus arundinaceus</i>		1					1	
48	Common Whitethroat	<i>Sylvia communis</i>		✓	✓	1			✓	
49	Lesser Whitethroat	<i>Sylvia curruca</i>							1	

	Common name	Scientific name	June								
			7	8	9	10	11	12	13	14	
50	Barred Warbler	<i>Sylvia nisoria</i>		2							
51	Blackcap	<i>Sylvia atricapilla</i>		✓	✓			✓	✓	h	
52	Eastern Orphean Warbler	<i>Sylvia crassirostris</i>				sev		2			
53	Subalpine Warbler	<i>Sylvia cantillans</i>			1	✓	✓				
54	Wood Warbler	<i>Phylloscopus sibilatrix</i>								h	
55	Chiffchaff	<i>Phylloscopus collybita</i>		✓			✓	✓	✓	✓	
56	Great Tit	<i>Parus major</i>		✓	✓		✓	✓	✓	✓	
57	Blue Tit	<i>Cyanistes caeruleus</i>			2			2			
58	Sombre Tit	<i>Poecile lugubris</i>		1							
59	Western Rock Nuthatch	<i>Sitta neumayer</i>				3	1				
60	Lesser Grey Shrike	<i>Lanius minor</i>								2	
61	Red-backed Shrike	<i>Lanius collurio</i>		✓	✓		✓	✓	✓	✓	
62	Jay	<i>Garrulus glandarius</i>		✓					✓		
63	Alpine Chough	<i>Pyrrhocorax graculus</i>			2				2		
64	Magpie	<i>Pica pica</i>		✓	✓				✓	✓	
65	Hooded Crow	<i>Corvus corone cornix</i>			✓			1	✓	✓	
66	Jackdaw	<i>Corvus monedula</i>		✓							
67	Raven	<i>Corvus corax</i>		1	✓			✓	✓		
68	Golden Oriole	<i>Oriolus oriolus</i>		✓	✓		✓	✓	✓	h	
69	Starling	<i>Sturnus vulgaris</i>		✓	✓		✓	✓	✓	✓	
70	House Sparrow	<i>Passer domesticus</i>		✓	✓		✓	✓	✓	✓	
71	Tree Sparrow	<i>Passer montanus</i>		✓	✓		✓	✓		✓	
72	Spanish Sparrow	<i>Passer hispaniolensis</i>						✓			
73	Chaffinch	<i>Fringilla coelebs</i>		✓			✓	✓		✓	
74	Serin	<i>Serinus serinus</i>			4		✓	✓	✓	✓	
75	Crossbill	<i>Loxia curvirostra</i>							5		
76	Linnet	<i>Acanthis cannabina</i>		✓	✓		4	✓	✓		
77	Goldfinch	<i>Carduelis carduelis</i>					✓		✓	✓	
78	Greenfinch	<i>Carduelis chloris</i>			✓						
79	Hawfinch	<i>Coccothraustes coccothraustes</i>		✓	✓		✓		✓		
80	Corn Bunting	<i>Miliaria calandra</i>			✓			✓			
81	Cirl Bunting	<i>Emberiza cirlus</i>					3	✓			
82	Rock Bunting	<i>Emberiza cia</i>		✓	1		✓		1		
83	Ortolan Bunting	<i>Emberiza hortulana</i>			1						
84	Yellowhammer	<i>Emberiza citrinella</i>		✓	✓						
85	Black-headed Bunting	<i>Emberiza melanocephala</i>		4	2			✓	✓		

Dragonflies

1	Beautiful Demoiselle	<i>Calopteryx virgo</i>		✓							
2	Banded Demoiselle	<i>Calopteryx splendens</i>		✓							
3	White-legged Damselfly	<i>Platycnemis pennipes</i>		✓							
4	Azure Damselfly	<i>Coenagrion puella</i>		✓							
5	Common Clubtail	<i>Gomphus vulgatissimus</i>		✓							
6	Broad-bodied Chaser	<i>Libellula depressa</i>			2						
7	Black-tailed Skimmer	<i>Orthetrum cancellatum</i>			1						

Reptiles & Amphibians

1	Edible Frog	<i>Pelophylax kl esculentus</i>		1							
2	Marsh Frog	<i>Pelophylax ridibundus</i>		✓	✓						
3	Dalmatian Wall Lizard	<i>Podarcis melisellensis</i>		1	1	1					

	Common name	Scientific name	June							
			7	8	9	10	11	12	13	14
4	Italian Wall Lizard	<i>Podarcis sicula</i>					✓			
5	European Green Lizard	<i>Lacerta viridis</i>		1		1			1	
6	Horvath's Rock Lizard	<i>Lacerta horvathi</i>							1	
7	European Glass Lizard	<i>Ophisaurus apodus</i>				1	✓	✓		
8	Dalmatian Algyroides	<i>Algyroides nigropunctatus</i>				1				
9	Slow-worm	<i>Anguis fragilis</i>						1		
10	Hermann's Tortoise	<i>Testudo hermanni</i>					1			
11	Whipsnake sp.			1						
12	Leopard Snake	<i>Elaphe situla</i>					1			