Butterflies & Moths of the Spanish Pyrenees

Naturetrek Tour Report

15 – 22 July 2015



Queen of Spain Fritillary



Zygaena Ionicerae



Butterfly Hunting



View from Berdun

Report & images compiled by Richard Cash



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Naturetrek clients

Summary

Naturetrek's second butterfly and moth tour to the Spanish Pyrenees this summer was truly fantastic with 130 butterfly and 170 moth species observed and identified! A really enthusiastic and expert group made the most of the week and we had a wonderful time exploring many different spectacular environments from high alpine passes to the rugged and dry pre-pyrenean ranges. Thanks to all for participating so actively.

As well as lepidoptera we enjoyed the birds, flowers and other fauna. Highlights included many birds of prey including Eagle Owl and, most memorably, more than 1,000 Griffon Vultures feeding at Santa Cilia.

Thanks must go to Peter and Melanie, our hosts at Casa Sarasa who made us really welcome in their lovely 'casa rural' and kept us going with great breakfasts, delicious picnics and wonderful dinners. Peter also provided a superb moth trap which was a major improvement on last years and accounted for the huge leap in moth species observed. Thanks also to Ivan who was helping out at the Casa during the week and was unfailingly courteous, friendly and hardworking.

A lot goes on behind the scenes to make sure these trips run smoothly and we hope that our guests got the most out of their week's holiday.

Day 1

Wednesday 15th July

After a flight from the UK, group members arrived at Zaragoza Airport where we collected our minibus. There was a short delay while the keys to the rental office were found! We then had a good drive to Casa Sarasa seeing Black and Red Kites, Griffon Vulture and White Stork along the way. Once at Casa Sarasa we were shown our rooms and then, after a short welcome briefing, we had the first of some excellent dinners. We then set up the tour moth trap in the garden and Ron set up his on his room balcony!

Day 2

Thursday 16th July

Today was hot and sunny, reaching about 35 degrees by midday. Checking the moth traps with Dave we had a great first catch which included Poplar Lappet (*Gastropacha populifolia*), Poplar Grey, a Spanish 'Emerald' (*Phaiograma etruscari*) and Setacious Hebrew Character. There were many Pine Processionary moths which showed how widespread this pest is in this part of the world. In the garden many Humming-bird Hawk-moths and some Long-tailed Blue butterflies were spotted.

After yesterday's hot drive from the airport, travel was kept to the minimum and we drove for a few minutes to the north side of the River Aragón at Martes. On arrival we spotted a Short-toed Snake Eagle and were soon busy spotting butterflies along the boundary between harvested barley fields and the soto (riverine forest). All three Gatekeeper species – Common, Spanish and Southern were plentiful and we also saw Spanish Swallowtail with its distinctive yellow front to the forewing, Marbled White, Silver-washed Fritillary (the most frequently seen fritillary over the week), Holly Blue, Tree Grayling and an Ermine moth. A Marsh Harrier passed overhead while most of us were checking out Spanish Chalk-hill, Long-tailed and Common Blues on Burdock flowers. We

were also treated to superb views of a Lammergeier as it drifted low overhead. After a really productive start to the week it was getting really hot so we drove back to Casa Sarasa for our picnic – delicious Spanish Omelette and salad. We then had a rest during the hottest part of the day.

After lunch we headed back to the River Aragón at Martes, this time to the soto on the south side. We were soon seeing new butterflies: Chapman's Blue, Brown Argus, Wood White, and Dingy, Mallow and Small Skippers. Great Spotted Woodpecker and Short-toed Treecreeper were calling and towards the end of the walk we saw a Hobby attacking a Booted Eagle. We also found two more Skippers: Red Underwing and Lulworth.

In the heat things were fairly quiet so we moved to a meadow five minutes away for some new varieties. Here, near Majones we found Weaver's Fritillary, and Large, Turquoise, Forster's Furry and Provencal Short-tailed Blues. There were also beautiful Burnet moths (*Zygaena occitanus*) and Crested Larks along the road verges. The meadow was a great finale to the day and we returned to Casa Sarasa hot, tired and happy! As on every evening, we met before dinner for a drink and to go over our lists

Day 3 Friday 17th July

After checking the moth traps in the morning, we drove to the alpine meadows at the top of the Hecho valley in search of mountain butterfly species and we had a fabulous and productive day. The altitude helped mitigate the hot weather and the valley was really beautiful. On the way up we saw Yellowhammer (a montane species here in the Pyrenees), Mistle Thrush, Red-billed and Alpine Choughs, and Dunnock. Despite the long drought there were quite a few flowers, particularly along the streams - good news for butterflies!

A Wall Brown started us off before things got more exotic with Turquoise Blue, the stunning Scarce Copper, and Heath Fritillary in great condition. We were also treated to great views of an immature Golden Eagle and a Short-toed Snake Eagle. As for alpine species we saw Apollo, Piedmont Ringlet and Purple-shot Copper. We had planned to be here for a quick hour but ended up staying for two and a half hours! Other butterflies included Queen of Spain Fritillary with its mirror-like underwing markings, Silver-washed and Dark Green Fritillaries, False Heath Fritillary with its fairly dark upper wings which was fantastic to see, Swallowtail, Dusky Meadow Brown and Baton Blue. We could have stayed all day!

We then drove down to the Oza forest in the valley to find a shady spot where we had a wonderful salad, cheese, sausage and fruit picnic. Next we stopped near the bar at Oza for coffee/ice cream and more butterfly spotting by a stream on the edge of the beech forest. Again this was a superb spot with clouds of butterflies providing great opportunities for all of the keen photographers (most of the group!) Highlights here were Lesser Marbled Fritillary (well spotted and identified by Gerald and Ron), Water Ringlet, a beautiful Ringlet, and many fritillaries already seen but abundant here and in great condition.

We continued our quest down the valley on a track on the left hand bank of the River Aragón Subordan. It was fairly quiet as it always seems to be at mid afternoon in summer – even butterflies can get too hot it seems! Even so we saw the very distinctive Glanville Fritillary, Blue-spot Hairstreak, Pearly Heath, High Brown Fritillary and White admiral. Andy saw a Lesser Purple Emperor which, characteristically, didn't hang around for the rest of us to see it.

It was getting late by this time so we headed back to Casa Sarasa for a welcome shower and rest before going over the lists and having another excellent dinner.

Day 4

Saturday 18th July

Another hot day dawned, but not hot enough to deter us from driving south to Riglos to try for some different butterflies. On the way we saw Booted Eagle – always reliable on the road past Bailo, and once at Riglos we soon saw and heard Black Wheatear.

At Riglos we walked out of the village and started exploring the Mediterranean scrub (Kermes Oak, Rosemary, Lavender, French Lavender etc) under the towering cliffs of the Mallos de Riglos - a spectacular spot! It was pretty windy but there were still quite a few butterflies braving the breeze: Adonis Blue, Dusky Meadow Brown, Meadow Brown, Little Blue and Turquoise Blue. We saw a recently emerged Spanish Swallowtail whose delicate and soft wings had been folded into an impossible shape by the strong wind. We also found a newly fledged House Martin chick infested by Louse flies (*Crataerina hirundinis*) identified by Dave who is not only a moth expert but has an inexhaustible store of information about birds!

Returning to the village we saw Brown Argus which Gerald indentified as the *A. agestis cramera* subspecies. There were also Clouded Yellows, Southern Gatekeeper and Esher's Blue with the distinctive white striation on the upper wings. We also found Red Underwing and Mallow Skippers. All this was thirsty work so we found the village bar and had a cool drink and ice creams while watching climbers scale the Riglos cliffs – tiny figures on the huge walls.

Next we had a short drive to Loarre Castle and a really good picnic lunch in the shade before we continued our pursuit of new butterfly species. The meadows around the castle, although fairly dry, had plenty of species to keep us busy for a couple of hours, particularly the blues with Escher's, Holly, Southern Chalk-hill, Damon and Adonis Blues. Also nectaring busily on the scabious flowers were Spotted and Weaver's Fritillaries, Wood White, Cleopatra, a very bright Painted Lady (one of the few seen during the week), White Admiral and an Olive Skipper. Some of the group had a look around the castle which is one of the best preserved examples of 11th century architecture in Europe and well worth a visit. Again the bar nearby was useful on this tremendously hot afternoon.

Driving back towards Berdún we stopped at the Santa Barbara pass to enjoy the view towards the high Pyrenees and saw a new butterfly; Ripart's Anomalous Blue, as well as Southern Chalk-hill and Turquoise Blues. Some of us saw a Rock Thrush, and in a small reservoir below the road we saw a pair of Shoveler duck and Common sandpiper.

Another great day was rounded off by going over the checklists, finishing identifying the morning's moths, and another wonderful dinner at Casa Sarasa.

Day 5

Sunday 19th July

This morning started off cloudy which made a nice change! After breakfast we headed towards the Aisa valley – one of the best areas for butterflies in the Pyrenees – and we were full of expectation! It took us just under an hour to get there, driving through ever more beautiful countryside with great views up to the high mountains.

Once near Aisa we stopped at a likely looking meadow with scabious flowers proving the main attraction for nectaring butterflies. There were hundreds of butterflies: Dark Green, Glanville and Knapweed Fritillaries, Large Skippers, Southern Gatekeepers, and several Spanish Swallowtails in pristine condition. It wasn't so much the number of different species but the sheer quantity of butterflies that was fantastic. We could have happily spent another hour here but we wanted to find new species for our list so we drove up the valley and stopped at a promising gully at about 1,250 metres. Here the main food plants were Dwarf Elder as well as Scabious (*S. cinerea*), thistles and Broad-leaved Everlasting Pea. We were soon spotting new species and most of the group were photographing and identifying furiously! Highlights were Mountain Alcon Blue with its characteristic blue flush, Black Satyr, Piedmont Ringlet and White Admiral. There were many Silver- washed and Queen of Spain Fritillaries, several Marbled Fritillaries, and some Lesser Marbled Fritillaries whose foodplant, Meadowsweet (Filipendula ulmaria) was growing in the gully below the road. It was wonderful to see a few Scarce Coppers and, as usual, Spanish Chalk-hill and Turquoise Blues were plentiful. We spent a wonderful hour or so along the road (hardly any traffic).

By this time we were feeling peckish so we went to a really nice spot by the river and it was good to be in the shade for a while as we enjoyed another picnic of salad, local salami and cheese and fruit.

After lunch we found a bit of meadow which hadn't been cut for hay and found Long-tailed Blue, Cleopatra, Great Banded Grayling, Pearly Heath and Small White. A Broad-bordered Bee Hawk-moth was another nice find in this pristine, unimproved meadow. Many in the group were really taken with the beauty of this spot with its flowers: Cross Gentian, Sweet Pea, Yellow Rattle, Wild Carrot, Scabious etc - perfect! A handy campsite restaurant nearby was a welcome stop for cold drinks and ice creams. A family there were fascinated by our pursuit of butterflies and found it hard to believe that we were seeing so many species!

On the way back to Berdún, Gerald had a fleeting glimpse of an interesting butterfly but by the time we had stopped it had disappeared - there were the ubiquitous Clouded Yellows and Spanish Chalk-hill Blues though. It had been another productive and fun day in the Pyrenees.

Day 6

Monday 20th July

Today was hot and sunny again so, after dealing with the ever-growing amount of moths caught overnight in the two traps, we set out for the cooler heights of Portalet and the Valle de Tena, high on the French border, to try for more alpine butterfly species.

First stop was a site above Sallent, famous for its Lady's Slipper Orchids, and with streams, dry alpine slopes, boggy areas and different geology (metamorphic and igneous rocks as well as the usual limestone), a likely spot for a wide variety of butterflies. We started by seeing the Lady's Slipper Orchids; well past their best at this stage in the summer but still quite a sight. We were soon distracted by the butterflies though! Esper's Marbled Whites

mating, Mountain Alcon Blue, Dark Green and Weaver's Fritillaries, de Prunner's Ringlet, White Admiral and Scarce Copper were seen in the flower meadow. Most of the butterflies were feeding on the bright blue Pyrenean Eryngo as well as on Knapweed and Restharrow.

After half an hour or so we continued on to the pass into France at Portalet and walked a beautiful loop around the mountain just west of the pass. Water Pipits were busy along the stream, Griffon Vultures were soaring above, and there were many Pyrenean Iris. We had excellent views of Apollo, the Pyrenean butterfly par excellence, Large Wall Brown, Mountain Argus, our first Silver-studded Blue and, as hoped for at this altitude, a Brassy Ringlet. Among the rocks were Wall Lizards, Paniculate Saxifrage, Harebells and several different Pinks. A little further on we found Meadow Fritillary, Purple-edged Copper and Small Heath. Andy was drawn irresistibly to a small tarn where he pointed out Common Hawker dragonflies and some unidentified blue damselfly darted around the reeds. A Golden Eagle flew overhead as we walked into France; face to face with the dramatic volcanic mass of Pic du Midi d Óssau. The way back down was a little steep but, with a bit of help and taking it carefully, the group managed to get back to the car park without too much difficulty.

After a stop for a drink – it was still hot even at 1,700 metres – we headed down the valley to La Sarra reservoir for lunch. Here, surrounded by high granite peaks, we had our picnic and then walked along a mountain stream and the banks of the reservoir spotting more lepidoptera. There were Six-spot Burnet moths on Scabious flowers, a Large Grizzled Skipper nectaring on Yarrow, a few Apollos and a Green-veined White. We enjoyed seeing some new flowers along a shady path including Mountain Sanicle, Spiked Rampion, Snow Gentian and Creeping Bellflower.

Cold drinks were beckoning so we went to the bar (there's always one nearby in Spain!) and cooled off for a while in the shade. It was about time to leave but as we stood in the car park we noticed butterflies drinking around some puddles in the car park. We had excellent views and photographs of High Brown Fritillary, a very nice Shepherd's Fritillary, Silver-spotted and Grizzled Skippers and Green-veined Whites. An excellent note to finish the day on!

It was good to get back to our base at Casa Sarasa for a shower and drink before going through the (ever longer!) lists and to have dinner.

Day 7

Tuesday 21st July

Another hot day dawned and in the moth trap this morning we had, among many other species, a Goat Moth and a Lobster Moth.

We then travelled up to the Foz de Binies – a really impressive gorge carved out by the Rio Veral. On the way we saw Little Owl on their favourite tumbledown barn just outside Berdún. They are always great to see. The scenery at the gorge was wonderful and, as we had hoped, the rocky environment proved good for seeing graylings - we saw Rock Grayling and the beautiful Striped Grayling. We heard Blackcap and saw Dipper along the river. There were a few flowers still around including Soapwort and the local endemic *petrocoptis*. Most butterflies were nectaring on the pink flowers of Hemp Agrimony growing along the roadside.

It was then a short distance to the David Nash sculpture site to look for more graylings and possibly Purple Hairstreak among the oaks. So far we hadn't seen a single hairstreak which contrasted with the previous week when plenty were seen. We soon found Purple Hairstreak – fantastic! As you would expect, it was in an oak (*Quercus faginea*). We then went on to find Woodland Grayling, and a Tree Grayling with its characteristic yellow spots on the lower hind wing. The sculptures themselves were fantastic to see: Welsh Oak trunks carved and burned and arranged to mark the winter and summer equinoxes. It was also nice to see that woodpeckers were continuing the sculpting with several new holes appearing this year!

As a change from butterfly hunting we went to Santa Cilia to watch food (animal carcases) put out for the vultures. It was a hot and muggy wait in the hide and the vultures took their time in coming down to eat. When they did it was amazing just how many Griffon Vultures there were. Ron, an expert bird counter, counted well in excess of a thousand! It was fascinating to see these huge birds coming in to land and wait their turn to share in the 'feast'. Also at the feeding site were Egyptian Vultures including one immature, plus Red Kites swooping down for a morsel. Wonderful!

We spent a short while in a field looking for butterflies and saw Dusky Skipper and Spanish Chalk-hill Blue before the storm clouds which had been building up all morning threatened to break and the vultures spiralled up into the lowering sky - like something out of Lord of the Rings!

This evening we had our final supper of the week. It was excellent, as always, with plenty of good food and wine, and Pete and Mel invited us to a glass of Cava to toast a really successful week and a long list of butterflies and moths.

Day 8

Wednesday 22nd July

Our last day dawned clear and a little cooler after the storm last night. We loaded our bags into the minibuses and set off for San Juan de la Peña for a short morning's exploration before driving to the airport.

We stopped at a lookout point halfway up the mountain to San Juan and enjoyed fabulous views over the Pyrenees and the Aragón valley, recognising some of the areas we had visited over the week. Dave gave us a lecture on the geology of the area and we spotted a Subalpine Warbler in the scrub above the road.

We continued up to the Monasterio Nuevo and had a really good walk through the forest up to the north ridge of the mountain – again for amazing views. We saw Blackcap, Coal Tit and Crested Tit and there were many Spanish Chalk-hill Blues.

We had our sandwiches in the shade of some tall Scots Pines, and then it was time to drive to the airport. We took the back way, cross-country through the Pre Pyrenees (a land that time forgot) and eventually got to the main road near Riglos. Then it was a fast drive down the motorway to Zaragoza seeing Red Kite, White Stork and Marsh Harrier as we went.

After a really good week of many butterflies and moths, great company and the wonderful Pyrenees, it was time for group members to fly back to the UK where another Naturetrek adventure came to an end.

Species Lists

Moths (T=in the Trap, F=in the Field)

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Common name	Scientific name	15	16	17	18	19	20	21	2
Bird-cherry Ermine	Yponomeuta evonymella				Т				
Diamond-back Moth	Plutella xylostella							Т	
Oecophorinid	Pleurota aristella		Т	Т		Т			
Peleopodid (micro)	Carcina quercana							Т	
	Agonopterix ocellana				Т				
Ethmiid family	Ethmia dodecea				Т	Т			
Un-named Gelechid	Metzneria metzneriella					Т			
Un-named Tortrix	Acleris forsskaleana				Т				
	Acleris cristana					Т			
Tortrix family	Agapeta hamana				Т			Т	
Nut Bud Moth	Epinotia tenerana			Т	Т	Т	Т	Т	
Codling Moth	Cydia pomonella		Т	Т		Т	Т	Т	
Goat Moth	Cossus cossus							Т	
Leopard Moth	Zeuzera pyrina							Т	F
Forester sp.	Adscita sp.					F			
Six-spot Burnet	Zygaena filipendulae			F					\top
Mediterranean Burnet	Zygaena occitanica occitanica		F			F			
Narrow-bordered Five-spot Burnet	Zygaena Ionicerae			F	F		F		\top
Chalk Burnet	Zygaena fausta				F				\vdash
Wax Moth	Galleria mellonella					Т			\vdash
Un-named Pyralid	Oncocera semirubella				Т				\vdash
Pyralid	Acrobasis advenella		Т	Т	T	Т	Т	Т	+
Thistle Ermine	Myelois circumvoluta					T		T	+
Pyralid	Homoeosoma sinuella			Т	Т				\vdash
Pyralid	Phycitodes binaevella				T				\vdash
Pyralid	Synaphe punctalis					Т			\vdash
Meal Moth	Pyralis farinalis					F			+
Pyralid	Endotricha flammealis		Т	Т	Т	T	Т	Т	\vdash
1 yrana	Loxostege sticticalis		<u>'</u>	' '	T	'	'	'	\vdash
	Pyrausta purpuralis		Т		'			Т	-
Un-named Crambid	Sitochroa palealis		'					1	F
European Corn-borer	Ostrinia nubilalis				Т				+'
Crambid	Udea lutealis				'		F		-
Mother of Pearl	Pleuroptya ruralis				Т		T		-
Crambid	Palpita vitrialis				1	Т	1		-
Rush Veneer	-		Т	Т	Т	T	Т	Т	-
	Nomophila noctuella Metasia cuencalis		T	T	T	ı	T	T	-
Crambid			ı		I		I	I	-
Crambid	Uresiphita gilvata			Т		_	_	_	₩
Crambid	Eudonia mercurella		_		T -	T	T	Т	₩
Un-named Crambid	Chrysoteuchia culmella		Т		T F	TF	TF		-
Un-named Crambid	Crambus perlella				Т		-	_	-
Un-named Crambid	Catoptria pinella			_	-		Т	Т	-
Un-named Crambid	Pediasia contaminella			T	T				_
Un-named Crambid	Euchromius bellus		Т	Т	Т				_
Un-named Crambid	Aporodes floralis			Т					1
Spiny Hook-tip	Watsonalla uncinula						Т		_
Spanish Character	Cilix hispanica						T	T	

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Common name	Scientific name	15	16	17	18	19	20	21	22
Oak Eggar	Lasiocampa quercus			F					
The Lappet	Gastropacha quercifolia		Т		Т	Т	Т		
Cork-oak Lappet	Phyllodesma suberifolia		Т	Т	Т				
Broad-bordered Bee Hawk-moth	Hemaris fuciformis					F			
Hummingbird Hawk-moth	Macroglossum stellatarum		F	F	F	F	F	F	F
Striped Hawk Moth	Hyles livornica						Т	Т	
Ochraceous Wave	Idaea serpentata				Т				
Spanish Least Carpet	Idaea mustelata	Т	Т	Т	Т	Т	Т	Т	
Dwarf Cream Wave	Idaea fuscovenosa						Т		
Isle of Wight Wave	Idaea humiliata		Т	Т	Т				
Slender-sand Wave	Idaea mediaria			Т			Т		
Chequered Wave	Idaea moniliata			Т	Т			Т	
Satin Wave	Idaea subsericeata					Т			
Single-dotted Wave	Idaea dimidiata				Т	-			
Treble Brown Spot	Idaea trigeminata							Т	
Small Fan-footed Wave	Idaea biselata						Т		
Maquis Wave	Idaea circuitaria		Т	Т	Т		T		
Poplar Hawkmoth	Laothoe populi		<u> </u>	'	T		T		
Riband Wave	Idaea aversata				'		'	Т	
Portland Riband Wave	Idaea degeneraria				Т			T	
Middle Lace Border	Scopula decorata		F		'		Т	T	-
	·		T			Т	T	T	-
Tawny Wave	Scopula rubiginata		T	_			-		-
Mullein Wave	Scopula marginepunctata			Т	T	Т	Т	Т	-
Lesser Cream Wave	Scopula immutata				Т			_	-
Blood-vein	Timandra comae						_	Т	-
Acer Mocha	Cyclophora lennigiaria						Т		-
Blair's Mocha	Cyclophora puppillaria estivale		Т						
False Mocha	Cyclophora porata						Т		
Maiden's Blush	Cyclophora punctaria				Т				
Vestal	Rhodometra sacraria		Т	TF	TF	TF	TF	TF	F
Pyrenean Runic Carpet	Scotopteryx coelinaria					Т		Т	
Chalk Carpet	Scotopteryx bipunctaria				Т				
Shaded Broad-bar	Scotopteryx chenopodiata			F	Т	F	F	F	
The Many-lined	Costaconvexa polygrammata		Т	F					
Barred Straw	Gandaritis pyraliata						F		
Pale-rose Saffron	Lythria cruentaria		F	F	TF	TF			
Rose-lined Saffron (Purple-barred Yellow)	Lythnia purpuria		Т	Т	Т	TF	Т		
Chimney Sweeper	Odezia atrata pyrenaica						F		
Pretty Pinion	Perizoma blandiata							Т	
Lime-speck Pug	Eupithecia centaureata			Т	Т				
Dark Herringbone	Cataclysme uniformata			T	Т	Т			
Lesser Treble-bar	Aplocera efformata				Т	T			
Purple Treble-bar	Aplocera praeformata				i i	i i	F		
Dorset Cream Wave	Stegania trimaculata						T	Т	
Willow Peacock	Macaria artesiaria						'	T	
Latticed Heath	Chiasmia clathrata			Т	Т	F	Т	T	-
	Isturgia murinaria		Т	T	T	Г	T	'	-
Grey Bordered Bloom Brimstone Moth	Opisthograptis luteolata	-	_ <u>'</u> 	T			1		-
		-	T	ı					
Bordered Beauty Clouded August Thorn	Epione repandaria Ennomos quercaria				Т				-

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Common name	Scientific name	15	16	17	18	19	20	21	2
Lunar Thorn	Selenia lunularia					Т			
Pale Dyer	Crocota peletieraria						F		
Willow Beauty	Peribatodes rhomboidaria				Т				
Feathered Beauty	Peribatodes secundaria					Т	Т		
prob Dusky Carpet (gen det req'd)	Tephronia sepiaria			Т	Т	Т		Т	
Dark-bordered Dusky Carpet	Tephronia oranaria			Т					
Barred Red	Hylaea fasciaria					Т	Т		
Etruscan Viridian	Phaiogramma etruscaria		Т	Т		Т	Т	Т	
Sussex Emerald	Thalera fimbrialis		Т		Т				
Pine Processionary Moth	Thaumetopoea pityocampa	Т	Т	Т	Т	Т	Т	Т	
Poplar Kitten	Furcula bifida							Т	Т
Tawny Prominent	Harpyia milhauseri					Т			T
Lobster Moth	Stauropus fagi							Т	
Marbled Brown	Drymonia dodonaea			Т					
Buff-tip	Phalera bucephala			Т			Т		\top
Gypsy Moth	Lymantria dispar			Т					\top
Brown-tail	Euproctis chrysorrhoea		Т		Т		Т	Т	\vdash
Yellow-tail	Euproctis similis		T	Т	T		T		+
Ruby Tiger	Phragmatobia fuliginosa		<u> </u>	T	T	Т	T	Т	+
Feathered Footman	Coscinia striata					F	_ •		\vdash
Dotted Footman	Pelosia muscerda				Т	'		Т	+
Common Footman	Eilema lurideola		Т		'			T	+
Scarce Footman	Eilema complana		T	Т	Т	Т	Т	T	+
Hoary Footman	Eilema caniola		'	•	'	T	'	T	\vdash
Pigmy Footman	Eilema pygmaeola				Т	F		'	+
Orange Footman	Eilema sororcula				T	1			+
Scarce Blackneck	Lygephila craccae				T				\vdash
	Eublemma ostrina				'			Т	\vdash
Purple Marbled Un-named Erebid	Odice arcuinna					Т	Т	I	+
			Т			I	T		+
Oak Yellow Underwing	Catocala nymphagoga Dysgonia algira		T				1		+
The Passenger	7 0 0		-					Т	\vdash
Ni Moth	Trichoplusia ni		T	_	_		_		\vdash
Pale Shoulder	Acontia lucida		T	T	T	T	T	T	+
Spotted Sulphur	Acontia trabealis		T	Т	Т	T	Т	TF	-
Un-named Noctuid	Alvaradoia numerica		T		_	T		-	-
The Four-spotted	Tyta luctuosa		Т		Т	Т		Т	\vdash
	Oxicesta serratae						Т		_
Dark / Grey Dagger	Acronicta psi / tridens				T				-
The Sycamore	Acronicta aceris				T	TF	T	Т	-
Knot Grass	Acronicta rumicis		Т		Т	Т	Т		
Shark sp.	Cucullia sp.				Т				
Svensson's Copper Underwing	Amphipyra berbera							Т	
Marbled Clover	Heliothis viriplaca		Т					Т	
Eastern Bordered Straw	Heliothis nubigera			Т					
Scarce Bordered Straw	Helicoverpa armigera		Т	Т	Т			Т	
Small Mottled Willow	Spodoptera exigua		Т	Т	Т		Т	Т	
Rosy Marbled	Elaphria venustula							Т	
The Uncertain	Hoplodrina octogenaria				Т				
The Rustic	Hoplodrina blanda					Т			
Porter's Rustic	Athetis hospes			Т	Т		Т		
Guernsey Underwing	Polyphaenis sericata		Т		Т	Т		Т	

					J	uly			
Common name	Scientific name	15	16	17	18	19	20	21	22
Cloaked Minor	Mesoligia furuncula							Т	
The Olive	Ipimorpha subtusa				Т				
White-spotted Pinion	Cosmia diffinis		Т	Т			Т	Т	
The Nutmeg	Anarta trifolii			Т				Т	
Bright-line Brown-Eye	Lacanobia oleracea		Т				Т		
Broad-barred White	Hecatera bicolorata			Т					
Small Ranunculus	Hecatera dysodea			Т				Т	
Smoky Wainscot	Mythimna impura				Т				
Un-named	Mythimna sicula		Т	Т	Т	Т	Т	Т	
L-album Wainscot	Mythimna I-album							Т	
Heart & Dart	Agrotis exclamationis						Т	Т	
Turnip Moth	Agrotis segetum			Т	Т		Т	Т	
Dark Sword-grass	Agrotis ipsilon						Т		
Broad-bordered Yellow Underwing	Noctua fimbriata						Т		
Least Yellow Underwing	Noctua interjecta			Т	Т			Т	
Lesser Broad-bordered Yellow Underwing	Noctua janthe			Т				Т	
Setaceous Hebrew Character	Xestia c-nigrum		Т					Т	
Small Black Arches	Meganola strigula		Т						
Kent Black Arches	Meganola albula				Т			Т	
Jersey Black Arches	Nola chlamitulalis		Т	Т	Т		Т	Т	
Eastern(Poplar) Nycteoline	Nycteola asiatica							Т	
Cream-bordered Green Pea	Earias clorana							Т	

Butterflies (✓=recorded but not counted)

						Jι	ıly			
	Common name	Scientific name	15	16	17	18	19	20	21	22
1	Apollo	Parnasius apollo			✓		✓	✓		
2	Swallowtail	Papilio machaon			✓	✓	✓	✓	✓	
3	Spanish Swallowtail	Iphiclides feisthamelii		✓	✓	✓	✓	✓	✓	
4	Wood White	Leptidae sinapsis		✓	✓	✓	✓	✓	✓	
5	Black-veined White	Aporia cratargi			✓		✓	✓		
6	Large White	Pieris brassicae		✓	✓	✓	✓	✓	✓	
7	Small White	Artogeia rapae		✓	✓	✓	✓	✓	✓	
8	Green-veined White	Artogeia napi						✓	✓	
9	Bath White	Pontia daplidae		✓		✓				
10	Clouded Yellow	Colias crocea		✓	✓	✓	✓	✓	✓	
11	Pale Clouded Yellow	Colias hyale		✓	✓					
12	Berger's Clouded Yellow	Colias australis			✓	✓	✓	✓	✓	
13	Brimstone	Gonepteryx rhamni			✓	✓	✓	✓		
14	Cleopatra	Gonepteryx Cleopatra			✓	✓	✓	✓		
15	Ilex Hairstreak	Satyricum ilicis					✓			
16	White-letter Hairstreak	satyrium w-album					✓			
17	Blue-spot Hairstreak	Satyricum spini			✓			✓		
18	Purple Hairstreak	Stymonidia							✓	
19	Small Copper	Lycaena phlaeas			✓					
20	Scarce Copper	Lycaena virgaureae			✓		✓	✓		
21	Purple-edged Copper	Lycaena hippothoe						✓		
22	Purple-shot Copper	Lycaena alciphron			✓		✓			
23	Long-tailed Blue	Lampides boeticus		✓	✓	✓	✓	✓	✓	
24	Lang's Short-tailed Blue	Leptotes pirithous		✓						
25	Large Blue	Maculinea arion		✓	✓					

						Jı	ıly							
	Common name	Scientific name	15	16	17	18	19	20	21	22				
26	Chalk-hill Blue	Lysandra coridon				✓			✓					
27	Silver-studded Blue	Plebejus argus						✓						
28	Little Blue	Cupido minimus			✓									
29	Green-underside Blue	Glaucopsyche alexis					✓							
30	Baton Blue	Pseudophilotes baton			✓									
31	Brown Argus	Aricia agestis		✓		✓	✓	✓	✓					
32	Spanish Brown Argus	Aricia morronensis		✓		✓	✓							
33	Mountain Argus	Aricia artaxerxes		✓	✓			✓						
34	Short-tailed Blue	Everes argiades		✓										
35	Provencal Short-tailed Blue	Everes alcetas		√										
36	Holly Blue	Celastrina argiolus		√	✓		✓							
37	Mountain Alcon Blue	Maculinea rebeli					√	√						
38	Damon Blue	Agrodiaetus damon				✓								
39	Amanda Blue	Polymmatus amandus						✓						
40	Escher's Blue	Polyommatus escheri				✓								
41	Turquoise Blue	Polymmatus dorylas	+	✓	✓	✓	✓	√	✓					
42	Adonis Blue	Lysandra bellargus		,	•	· ✓	· ✓	✓	· /					
43	Common Blue	Polyommatus icarus		✓	✓	→	· ·	→	→					
		Polyommatus albicans		▼	▼	✓	▼	▼	▼					
44	Spanish Chalkhill Blue	•		∨	V	∨	V	V	∨ ✓					
45	Forster's Furry Blue	Agrodiaetus ainsae		V		∨			V					
46	Ripart's Anomalous Blue	Agrodiaetus ripartii		✓	✓	∨ ✓	✓							
47	White Admiral	Limntits camilla		~	~	V								
48	South White Admiral	Limentitis reducta					✓	✓	✓					
49	Purple Emperor	Apatura iris			✓									
50	Red Admiral	Vanessa atalanta			√				√					
51	Painted Lady	Vanessa cardui		✓	✓	✓	✓	✓	✓					
52	Comma	Polygonia c-album			✓		✓	✓						
53	Peacock	Inachis Io			✓		✓	✓						
54	Silver-washed Fritillary	Argynnis paphia		✓	✓	✓	✓	✓	✓					
55	Dark-green Fritillary	Argynnis aglaja			✓	✓	✓	✓	✓					
56	Queen-of-Spain Fritillary	Issoria lathonia			✓		✓	✓						
57	High-brown Fritillary	Argynnis adippe		✓	✓		✓	✓						
58	Marbled Fritillary	Brenthis daphne					✓	✓						
59	Lesser Marbled Fritillary	Brenthis ino			✓		✓	✓						
60	Small Pearl-bordered Fritillary	Boloria selene					✓							
61	Shepherd's Fritillary	Boloria pales						✓						
62	Bog Fritillary	Boloria eunomia						✓						
63	Glanville Fritillary	Melitaea cinxia		✓	✓	✓	✓	✓						
64	Knapweed Fritillary	Melitaea phoebe					✓							
65	Spotted Fritillary	Melitaea didyma				✓		✓						
66	Meadow Fritillary	Mellicta parthenoides						√						
67	Provencal Fritillary	Melitaea deione			✓	✓			✓					
68	Heath Fritillary	Melitaea athalia			√		✓	√	√					
69	False Heath Fritillary	Melitaea diamina			√									
70	Marbled White	Melanargia galathea			√	✓	✓	√	√					
71	Esper's Marbled white	Melanargia russiae						√						
72	Great Banded Grayling	Brinesia circe		✓	√	✓	✓	√	✓					
73	False Grayling	Arethusana arethusa		✓ ·		✓ ·								
74	Woodland Grayling	Hipparchia fagi		·		<u> </u>			✓	_				
75	Rock Grayling	Hipparchia alcyone							· /	_				
76	Striped Grayling	Hipparchia fidia	+						→	_				

						Jı	ıly			
	Common name	Scientific name	15	16	17	18	19	20	21	22
77	Tree Grayling	Hipparchia statilinus		✓					✓	
78	Black Satyr	Satyrus actaea					✓			
79	De Prunner's Ringlet	Erebia triaria			✓			✓		
80	Piedmont Ringlet	Erebia meolans			✓		✓	✓		
81	Water Ringlet	Erebia pronoe			✓					
82	Pyrenean Brassy Ringlet	Erebia rondoul						✓		
83	Dusky meadow Brown	Hyponephele lycaon			✓	✓	✓	✓		
84	Meadow Brown	Maniola jurtina			✓	✓	✓	✓	✓	
85	Spanish Gatekeeper	Pyronia bathseba		✓					✓	
86	Gatekeeper	Pyronia tithonus		✓	✓	✓	✓	✓	✓	
87	Southern Gatekeeper	Pyronia cecilia		✓		✓	✓		✓	
88	Dusky Heath	Coenonympha dorus		✓		✓			✓	
89	Pearly Heath	Coenonympha arcania		✓	✓	✓	✓	✓	✓	
90	Small Heath	Coenonympha pamphilus			✓		✓	✓		
91	Spanish Small Heath	Coenonympha lyllus							✓	
92	Spanish Heath	Coenonympha iphoides					✓			
93	Speckled Wood	Pararge aegeria		✓	✓					
94	Ringlet	Aphantopus hyperantus			✓					
95	Wall Brown	Lasiommata megera		✓	✓	✓	✓	✓	✓	
96	Large Wall Brown	Lasiommata maera					✓	✓		
97	Olive Skipper	Pyrgus serratulae				✓				
98	Grizzled Skipper	Pyrgus malvae		✓						
99	Large Grizzled Skipper	Pyrgus alveus					✓	✓		
100	Oberthur's Grizzled Skipper	Pyrgus armoricanus					✓	✓		
101	Red-underwing Skipper	Spialia sertorius		✓		✓	✓	✓	✓	
102	Mallow Skipper	Carcharodus alceae		✓		✓				
103	Essex Skipper	Thymelicus lineola			✓			✓		
104	Small Skipper	Thymelicus sylvestris		✓	✓	✓	✓	✓	✓	
105	Dingy Skipper	Erynnis tages		✓		✓		✓		
106	Large Skipper	Ochlodes venatus		✓	✓	✓	✓	✓	✓	
107	Lulworth Skipper	Thymelicus hyrax		✓	✓	✓	✓	✓	✓	
108	Silver-spotted Skipper	Hesperia comma			✓	✓	✓	✓	✓	

Birds

1	Grey Heron	Ardea cinerea		✓						
2	Purple Heron	Ardea purpurea	✓							
3	White Stork	Ciconia ciconia	✓							
4	Black Kite	Milvus migrans		✓	✓	✓		✓	✓	
5	Red Kite	Milvus milvus		✓	✓	✓	✓	✓	✓	
6	Short-toed Eagle	Circaetus gallicus		✓	✓	✓	✓	✓	✓	
7	Egyptian Vulture	Neophron percnopterus			✓	✓			✓	
8	Lammergeier	Gypaetus barbatus		✓		✓				
9	Griffon Vulture	Gyps fulvus	✓		✓	✓	✓	✓	✓	✓
10	Eurasian Marsh Harrier	Circus aeruginosus		✓						
11	Sparrowhawk	Accipiter nisus			✓					
12	Common Buzzard	Buteo buteo		✓	✓	✓		✓	✓	
13	Honey Buzzard	Pernis apivorus		✓		✓				
14	Booted Eagle	Hieraaetus pennatus		✓			✓	✓	✓	
15	Golden Eagle	Aquila chrysaetos			✓			✓		
16	Common Kestrel	Falco tinnunculus		✓			✓			
17	Hobby	Falco subbuteo		✓						

						Jı	ıly			
	Common name	Scientific name	15	16	17	18	19	20	21	22
18	Common Sandpiper	Actitis hypoleucos				✓				
19	Yellow-legged Herring Gull	Larus cachinnans		✓						
20	Rock Dove	Columba livia		✓						
21	Wood Pigeon	Columba palumbus		✓	✓	✓	✓	✓	✓	
22	Eurasian Collared Dove	Streptopelia decaocto		✓	✓	✓		✓	✓	
23	Turtle Dove	Streptopelia turtur	✓	✓		✓		✓	✓	
24	Little Owl	Athene noctua							✓	
25	Eagle Owl	Bubo bubo					✓			
26	European Nightjar	Caprimulgus europaeus					✓			
27	European Swift	Apus apus		✓	✓	✓	✓	✓	✓	
28	Common Kingfisher	Alcedo atthis							✓	
29	Ноорое	Upupa epops			✓					
30	European Bee-eater	Merops apiaster		✓		✓		✓		
31	Green Woodpecker	Picus viridis		✓						
32	Great Spotted Woodpecker	Dendrocopos major		✓	✓				✓	
33	Crested Lark	Galerida cristata		√	✓	✓			✓	
34	Crag Martin	Ptyonoprogne rupestris	✓			✓			✓	
35	House Martin	Delichon urbica		✓	✓	✓		✓	✓	
36	Barn Swallow	Hirundo rustica		✓	✓	✓		✓	✓	
37	Water Pipit	Anthus spinoletta						✓		
38	White Wagtail	Motacilla alba		✓	✓	✓		✓	✓	
39	Grey Wagtail	Motacilla cinerea			✓		✓	✓	✓	
40	White-throated Dipper	Cinclus cunclus			✓ ·				✓ ·	
41	Nightingale	Luscinia megarhynchos		✓	✓ ·			✓	,	
42	Dunnock	Prunella modularis		•			✓	✓ ·		
43	Robin	Erithacus rubecula		✓			✓	,		
44	Stonechat	Saxicola torquata		•	✓	✓	•			
45	Whinchat	Saxicola rubetra			•	•				
	Black Redstart	Phoenicurus ochruros		✓	✓	✓	✓	✓	/	
46 47	Common Wheatear	Oenanthe oenanthe		•	•	✓	V	✓	•	
						∨		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
48	Rock Thrush	Monticola saxatilis Monticola solitarius				V		✓		
49	Blue Rock Thrush				✓	✓		∨	✓	
50	Blackbird	Turdus merula			V	V		V	∨ ✓	
51	Song Thrush	Turdus philomelos			✓				V	
52	Mistle Thrush	Turdus viscivorus			V					
53	Cetti's Warbler	Cettia cetti		✓						
54	Common Whitethroat	Sylvia communis				✓				
55	Blackcap	Sylvia atricapilla		✓				✓	✓	
56	Sardinian Warbler	Sylvia melanocephala				√				
57	Dartford Warbler	Sylvia undata							✓	
58	Melodious Warbler	Hippolais polyglotta				✓	✓			
59	Firecrest	Regulus ignicapillus							✓	<u> </u>
60	Spotted Flycatcher	Muscicapa striata	1	✓						<u> </u>
61	Long-tailed Tit	Aegithalos caudatus	√							<u> </u>
62	Crested Tit	Lophophanes cristatus	-	✓			✓	✓		<u> </u>
63	Marsh Tit	Poecile palustris			✓					
64	Coal Tit	Periparus ater			✓					<u> </u>
65	Great Tit	Parus major			✓					<u> </u>
66	Nuthatch	Sitta europaea			✓					
67	Short-toed Treecreeper	Certhia brachydactyla		✓						
68	Wren	Troglodytes troglodytes		✓						

						Jı	ıly			
	Common name	Scientific name	15	16	17	18	19	20	21	22
69	Red-backed Shrike	Lanius collurio		✓					✓	
70	Woodchat Shrike	Lanius senator	✓	✓		✓				
71	Magpie	Pica pica	✓	✓	✓	✓	✓	✓	✓	
72	Eurasian Jay	Garrulus glandarius			✓					
73	Chough	Pyrrhocorax pyrrhocorax						✓		
74	Alpine Chough	Pyrrhocorax graculus						✓		
75	Carrion Crow	Corvus corone		✓	✓	✓		✓	✓	
76	Jackdaw	Corvus monedula								
77	Raven	Corvus corax		✓		✓		✓		
78	Golden Oriole	Oriolus oriolus		✓					✓	
79	Spotless Starling	Sturnus unicolor	✓	✓		✓				
80	Rock Sparrow	Petronia petronia		✓						
81	House Sparrow	Passer domesticus		✓	✓	✓			✓	
82	Chaffinch	Fringilla coelebs			✓			✓	✓	
83	Citril Finch	Serinus citrinella			✓			✓		
84	Serin	Serinus serinus		✓	✓	✓				
85	Linnet	Linaria cannabina				✓				
86	Goldfinch	Carduelis carduelis				✓			✓	
87	Corn Bunting	Emberiza calandra			✓					
88	Yellowhammer	Emberiza citrinella		✓	✓		✓			
89	Rock Bunting	Emberiza cia		✓						
90	Cirl Bunting	Emberiza cirlus		✓	✓					

Dragonflies (courtesy of Andy Bissitt)

Copper DemoiselleYellow-veined SkimmerWhite FeatherlegRed-veined DarterEmperor DragonflyLarge Red DamselflyGolden-ringed DragonflyLarge PincertailBroad-bodied ChaserFour-spotted ChaserCommon HawkerSmall Spreadwing

Western Spectre

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