

Butterflies of the French Alps

Holiday Report 8 -15 July 2017

Led by David Moore



Apollo © Gillian Pullinger

Greenwings Wildlife Holidays

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Introduction

This trip was appended to the original which took place between 1st and 8th July due to the popularity of the Greenwings Mercantour holiday and it did not disappoint, with record-breaking butterfly numbers. The tour followed the pattern of the first week, with four nights spent in the Tinée valley with the base at Rimplas, a hill-top village within striking distance of the Italian border, and the remaining three nights at St. Martin d'Entraunes in the nearby Var valley. The leader for this tour was David Moore.

Group members

Linda and Alan Woodward, Judy Copeland, Sue Lloyd, David Potter, Gillian Pullinger, Arnet Sheppard, Peter Chadd and Kim Garwood, who was present for the first week but had decided to come on the second.

The following is a summary of the activities and highlights of the trip, with an addendum to provide full details of butterflies and other wildlife seen during the week.

Day 1: Saturday 8th July 2017

One of the inbound flights was delayed so two of the guests were late arrivals. The other seven were on the forest track in Rimplas by 3.30pm however, and plenty of butterflies were seen, although conditions were extremely hot, meaning some ended up retreating to the hotel rather than suffer heatstroke before the holiday had properly begun!

You could feel the atmosphere getting heavier though, and by the time the latecomers had arrived, cloud had amassed and shortly after rain began to fall. For that reason it was decided to do a species count at the end of the next day, given that the same track would be explored along with the hill fort in the morning. That way, all guests could be together and party to the full range of sightings.

Once again, Stéphane, owner of the hostellerie, was the perfect 'mine host', offering a free aperitif by way of welcome and an excellent and much needed three course meal was enjoyed before the group settled down for the night.

Day 2: Sunday 9th July 2017

The day dawned cloudy and the sun didn't really break through until late afternoon. Whilst this suppressed sheer butterfly numbers, it had the effect of making those that were found far more co-operative from a photography and general approachability perspective. **Great Sooty Satyrs** seem not to mind the overcast conditions, and many were seen basking on the ground as well as nectaring from the roadside blooms on the walk up to the hill fort.

A **Dusky Meadow Brown** was spotted on the way down from the fort, and with skies brightening slightly, butterflies started to become active in greater numbers. A **Baton Blue** was another excellent spot whilst the lavender bushes outside the residential property at the top of the forest

track hosted several species, including **Scarce Swallowtail**, **Berger's Clouded Yellow**, **Cleopatra** and **Escher's Blue**.

Lunch was taken outside the hotel before the group made a collective trip down the steep track behind the hotel. **Lang's Short Tailed Blue** was a notable find, and **Marbled Skippers** were a welcome sight too, patrolling territories on the upper parts of the path.

Turquoise Blue was another desirable species spotted, but perhaps the most satisfying was **Meleager's Blue**, which usually emerges in the latter half of July, but given the 'early' season, was about in reasonable numbers in the second week of July!

By the end of the day, Saturday's tally was added to Sunday's and a total of 58 species had been seen.

Day 3: Monday 10th July 2017

The previous day's cloud had seemingly vanished this morning, but with another less than promising forecast, the decision was made to head to Col de la Lombarde early to try and avoid the accumulation of cloud that regularly occurs in this mountain region in the afternoon.

However, one brief stop was scheduled on the way up – a highly productive roadside verge location which did not disappoint. The week's first **Apollo**s were seen here, and lots more besides: **Scarce**, **Purple-Edged** and **Sooty Coppers** were all buzzing around, whilst a mating pair of **Large Blues** were observed. More **Lang's Short Tailed Blues** were found, and first encounters were made with **Almond Eyed Ringlet**, **Silvery Argus**, **Mazarine Blue** and **Silver Spotted Skipper**. Best of all, a **Long Tailed Blue** was sighted, and after a frantic hour or so it was time to head up to 2,350m for the group to acquaint themselves with the montane species.

The weather was still reasonable at the col, and one of the first sightings was the rare **False Mnestrá Ringlet**. Soon after, the group were seeing good numbers of **Grisón's Fritillaries** and **Mountain Clouded Yellows**. Thankfully, there were still a couple of **Cynthia's Fritillaries** hanging on, whilst a sole **Alpine Grizzled Skipper** was a bonus! With conditions getting cooler and windier, lunch was taken but during this period, the guide spotted an *erebia* that looked a little unusual and it turned out to be **Lesser Mountain Ringlet**, an unexpected addition to the day's list.

A brief toilet stop on the way down at Isola 2000 allowed a **White Admiral** to be encountered, a species that is not common in this part of France and certainly much less so on a car park at 2,000 metres altitude! Further down, another stop was made which saw plenty of **Geranium Argus**, along with other delights such as **Titania's Fritillary**, **Mountain Green Veined White** and **Darwin's Heath**. **Orange Tips** and **Pearl Bordered Fritillaries** were still on the wing too, with mid-July fast approaching!

79 species were seen in total, bringing the week's tally to a healthy 93.

Day 4: Tuesday 11th July

Things were in the balance today, as the weather again seemed set to deteriorate during the day. With that in mind, the ascent up to Col de la Bonette at 2,802 metres was made first thing, but unfortunately the clouds had already gathered by 10.45am and with temperatures of just 11c, it was distinctly chilly and only a brave **Red Admiral** was seen by those energetic enough to climb up

to the trig point.

It was decided to omit any prospective stops on the descent from the col as the weather was still largely overcast, but when the group finally arrived at the grassy meadows at St Dalmas le Selvage, the rain had eased off and sunny breaks were developing. In this patchwork of delightful fields, the week's first **Amanda's** and **Damon Blues** were seen, along with **Lesser Marbled Fritillary** and **Chestnut Heath**. Sadly, conditions were insufficiently sunny for any butterflies to be puddling, but decent overall numbers were seen, and when skies brightened on the way back to Rimplas, the group stopped off on one of the hairpin bends to observe the various species nectaring on the sheltered buddleias. Again, **Silver Washed Fritillaries** were prominent, but after a few minutes it was clear that quite a few **Purple Hairstreaks** were flying around in the oak trees surrounding the buddleias. With conditions improving, the guide stopped the minibus near to the ornamental lavenders in the garden at the top of the forest track, and there was soon great excitement due to the presence of a male **Southern Comma** taking nectar here. The group watched it for a while as it spent time pottering about in the doorway of the adjacent house, often alighting on the wooden frame.

In spite of the ordinary weather conditions, 71 species had been seen throughout the day with 9 being new, bringing the week's tally to a respectable 102.

Day 5: Wednesday 12th July

After bidding farewell to hotel owner Stéphane and his team, the group headed for the week's second location, the small village of St Martin d'Entraunes in the Var valley. En route however, there were two stops planned, with the first being at Beuil, which is host to a number of interconnected meadows as well as a large dung heap which is irresistible to butterflies of various kinds.

Sure enough, upon arrival there was plenty of activity at this unlikely 'attraction', mainly skippers, including the scarce **Carline Skipper**, but also a few fritillaries, in amongst which was the week's first **Queen of Spain**. Another visitor came in the shape of a male **Swallowtail**, whose presence soon sent most of the smaller butterflies packing.

Mountain Alcon Blues are usually present at this site, but in spite of there being many eggs visible on the hostplant, gentian, sadly none were seen this time due to the flight period being early. A single, scruffy female was found by the guide at the subsequent stop, but only Arnet among the guests got to see it and it was certainly not the perfect specimen for photography!

Still, the sun had made a welcome reappearance and the flowers were alive with butterflies, particularly Fritillaries, which always appear in much greater numbers once out of the Tinée valley. **Large Ringlets** were also very common, and they were joined by decent numbers of the similar-looking **Arran Brown**. An extremely unexpected find came in the shape of a solitary **White Letter Hairstreak** nectaring from creeping thistle at the far end of the meadows, the first ever spotted on any of these Alps tours.

The second stop also saw good numbers of butterflies, although the sainfoin in the meadow had largely gone over making the spectacle of colour a little less vivid than normal. However, the part cloudy periods allied to warm temperatures gave everybody perfect opportunities to take good photographs. At a damp area under the road bridge, there were numerous species taking fluids, including **Mountain Argus** and **Eros Blue**. There were even a few **Small Tortoiseshells**!

After arrival at the second hotel, many of the guests were out quickly to survey the damp, grassy area at the rear of the property, with many more Fritillaries nectaring on the copious thistles, most notable amongst them being **Niobe**, **High Brown** and **Silver Washed Fritillaries**. The week's first **Holly Blue** was also seen in the light woodland.

Karine and Jean-Louis, the hotel owners, served up a welcome first meal and the evening's count had seen an additional 9 species added to the week's list, making the total 111, with 74 different types of butterfly seen on this transit day.

Day 6: Thursday 13th July

The first full day after arriving at the second centre is without doubt the most exciting of the tour. The species range is simply phenomenal and 96 were seen today, including some special ones.

Before the group had even set off, a **Geranium Bronze** was spotted on the lavender outside the hotel. Clearly it was going to be a good day!

First stop was beyond Col de la Cayolle at a bridge over a fast flowing river. This is the perfect environment for **Small Apollo**, and several were seen, including some settled specimens which doesn't always happen!

Common Brassy Ringlets were everywhere and the week's first **Tufted Marbled Skipper** was observed. Even better, there were **Alpine**, **Idas** and **Glandon Blues** all taking fluids from the damp areas around the torrent. The grass had been grazed and the sward was lower than normal, but there were still hundreds and hundreds of butterflies to observe, with many puddling on the damp areas to be found on the gravelly path that led up the hill towards the coniferous woodland.

Lunch was taken at the col itself, where there were again many butterflies to be observed, including **Mountain Ringlet**, **False Mnestra Ringlet** and both **Shepherd's** and **Mountain Fritillaries**.

The final stop was probably the most restful of the week – the glorious lake at Estenc replete with its boardwalk surrounded by puddling butterflies and lush vegetation.

Some 70-odd species are to be found here at this time of year, and the group was treated to lycaenids and fritillaries galore, as well as many other species. The meadows were full of the rare Martagon Lily and the shaded woodland gave relief from the heat, as did the café adjacent to the car park, where many of the guests decamped to briefly for light refreshment before reacquainting themselves with the denizens of this almost unique habitat.

The guide trapped a **Southern Small White** during the course of the afternoon, a species that is probably far commoner than acknowledged, but given the propensity of most Whites to fly incessantly, goes largely under the radar.

After returning to the hotel, most of the group took the opportunity to further explore the light woodland nearby, and several more **White Letter Hairstreaks** were observed, proving that this species is without doubt present in the vicinity, and thriving.

Day 7: Friday 14th July

The itinerary on this last full day was simple: head up to Col des Champs straight away and take time out to explore the flower laden roadside on the way back down.

The col itself held few surprises from a butterfly perspective, but **Shepherd's** and **Mountain Fritillaries** (particularly the latter) were about in almost plague proportions.

This location is far less frequented than most of the neighbouring mountain passes, and its open, grassy aspect provides something rather different, with spectacular views and sheer scree slopes to enjoy.

After a relaxing lunch at the col, the week's final stop was at a one kilometre stretch of road where the banks have pink valerian growing in profusion on the well-drained soil. These plants were attracting butterflies in their multi-hundreds, with **Large Ringlets**, **Scarce Coppers** and **Silver Washed Fritillaries** being particularly well represented. The group broke up but Peter mentioned to the guide that he had seen a large, white butterfly and when asked for his images it turned out to be the much sought after **Clouded Apollo**. The group returned to where it had first been spotted but despite much searching, it was nowhere to be found. Fortunately, some while later Alan and Linda located another and the entire group got to see this impressive butterfly which is quite scarce in the region.

An earlier than usual return to the hotel saw most of the guests take time to potter about in the adjacent wooded area, which returned both **White Admiral** and **Southern White Admiral** in close proximity, along with several more **White Letter Hairstreaks**.

Conclusion

The final butterfly total was 121 species, with a good many of those seen in abundant numbers. Apart from the visit to Col de la Bonnette, the weather was largely good, which meant little time was lost from the planned itinerary. After thanking Karine and Jean-Louis for their hospitality, the group set off for Nice airport at 8am on the Saturday, and everyone was dropped off with time to spare for their flights.

Acknowledgements

Greenwings would like to thank all guests for their much valued support, enthusiasm and effort during the trip. A special mention must go to Kim who, having been present during the trip the week before, ended up practically taking on a role of additional guide, having already spent so much time studying the wide range of species on offer. In addition, birds added another dimension to the holiday, with highlights being sightings of Lammergeier, Short-Toed and Golden Eagle.

All in all a highly enjoyable week for everybody, with the phenomenal numbers and range of butterflies being beyond all expectations.

There now follows a photo gallery and species list

Photo Gallery

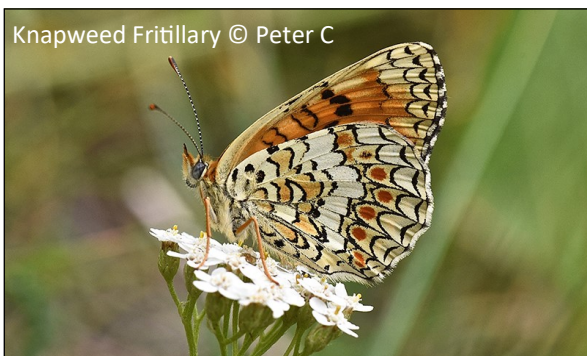


Photo Gallery



Mountain Clouded Yellow © Peter C



European Swallowtail © Peter C



Escher's Blues © Peter C



Damon Blues © Peter C



Small Apollo © Peter C



Arran Brown © Peter C



Almond-eyed Ringlet © Peter C



Great Sooty Satyr © Peter C



Silver-washed Fritillary valesina © Peter C



Niobe Fritillary © Peter C

Photo Gallery

Geranium Bronze © David P



Blue Spot Hairstreak © David P



Silver-washed Fritillary valesina © David P



Southern Comma © David P



Photo Gallery



Photo Gallery

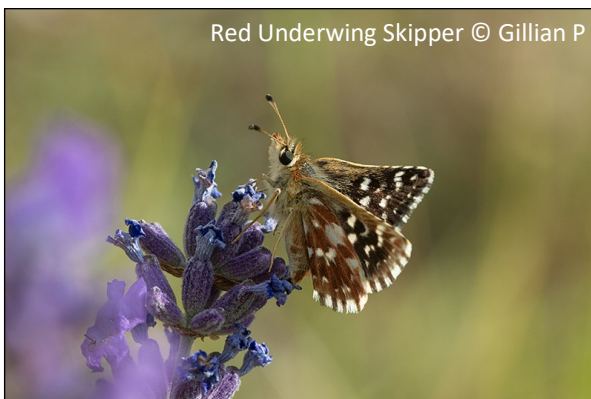
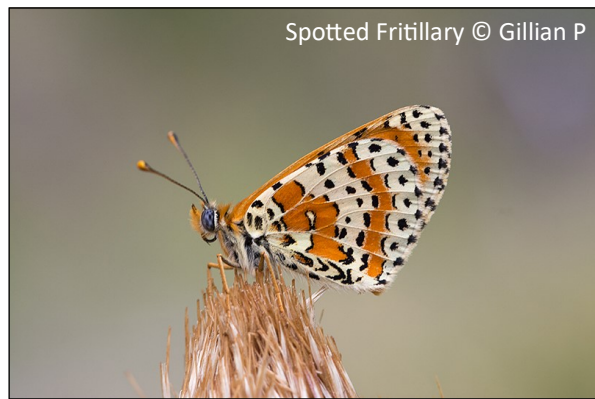


Photo Gallery

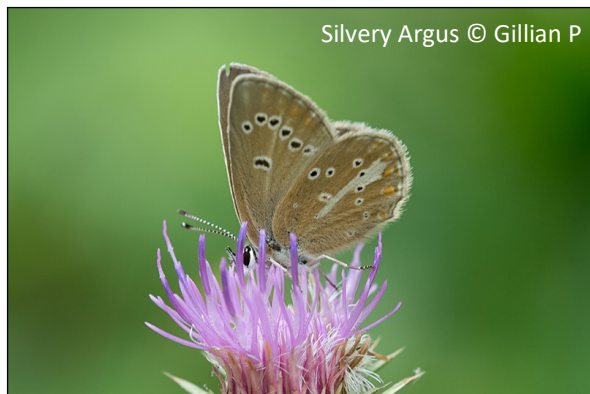
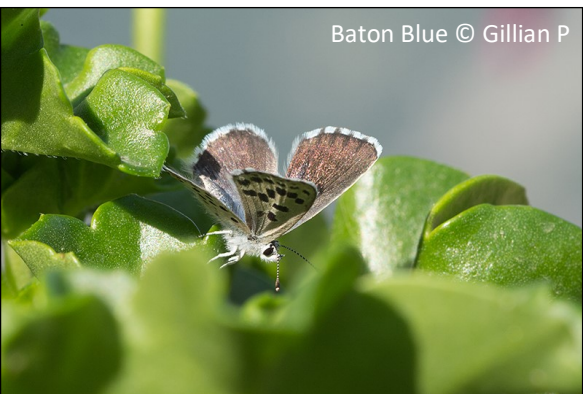


Photo Gallery



Photo Gallery

Dusky Heath © Alan & Linda W



Chapman's Blue © Alan & Linda W



Great Sooty Satyr © Alan & Linda W



Clouded Apollo © Alan & Linda W



Red Underwing Skipper © Alan & Linda W



Large Wall Brown © Alan & Linda W



Spotted Fritillary © Alan & Linda W



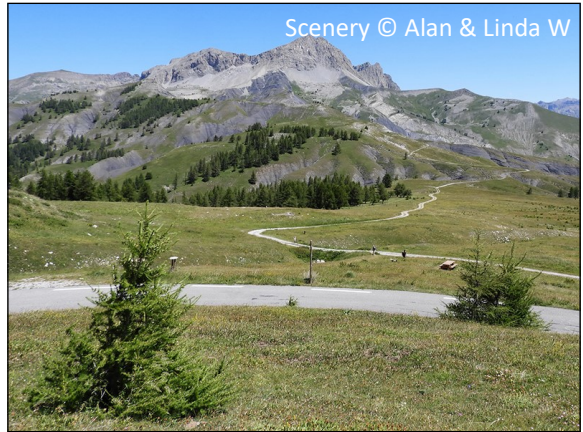
Small Apollo © Alan & Linda W



Photo Gallery



Wood White © Alan & Linda W



Scenery © Alan & Linda W



Titania's Fritillary © Alan & Linda W



Scarce Coppers © Alan & Linda W



Scenery © Alan & Linda W



Scenery © Alan & Linda W

Photo Gallery

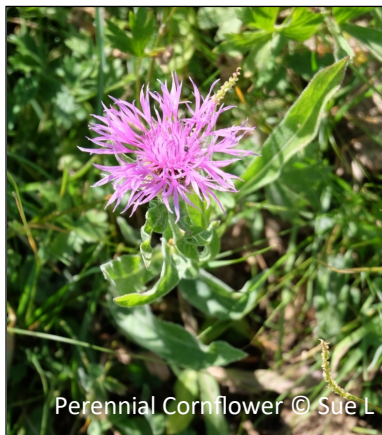
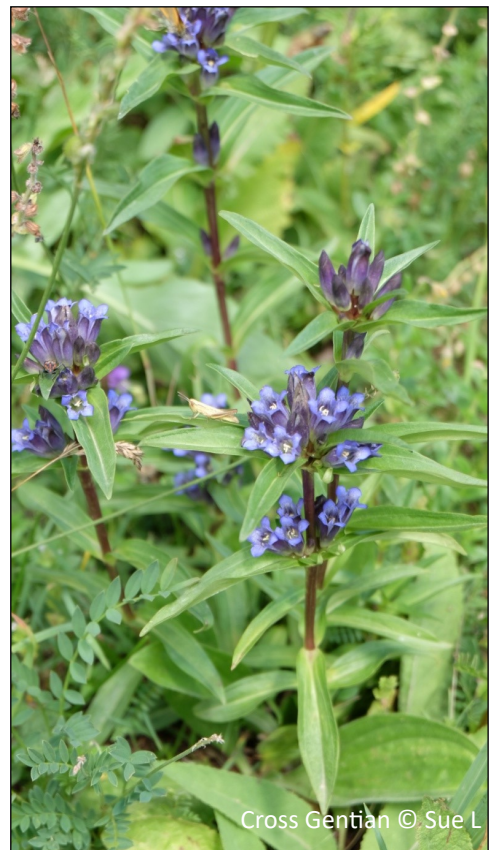


Photo Gallery



			8-Jul	9-Jul	10-Jul	11-Jul	12-Jul	13-Jul	14-Jul	Days seen
Butterfly species	Principal LHP(s)									
1	Mallow Skipper (<i>Carcharodus alceae</i>)	Common mallow (malva sylvestris)		✓	✓					
2	Tufted Marbled Skipper (<i>Carcharodus flocciferus</i>)	Yellow/limestone/downy woundwort, betony (stachys recta/alpina/germanica/officinalis)						✓	✓	
3	Marbled Skipper (<i>Carcharodus lavatherae</i>)	Yellow/downy/field woundwort (stachys recta/germanica/arvensis)		✓						
4	Dingy Skipper (<i>Erynnis tages</i>)	Bird's foot trefoil/horseshoe vetch (lotus corniculatus/hippocrepis comosa)		✓		✓		✓		
5	Large Skipper (<i>Ochlodes sylvanus</i>)	Cock's foot/flattened meadow grass/Tor Grass (dactylis glomerata/poa compressa/brachypodium pinnatum)		✓	✓	✓	✓	✓	✓	
6	Large Grizzled Skipper (<i>Pyrgus alveus</i>)	Common rock rose/strawberry-leaf cinquefoil (helianthemum nummularium/potentilla sterilis)					✓	✓	✓	
7	Alpine Grizzled Skipper (<i>Pyrgus andromedae</i>)	Tormentil/mountain avens (potentilla erecta/dryas octopetala)			✓			✓		
8	Carline Skipper (<i>Pyrgus carlinae</i>)	Spring cinquefoil/creeping cinquefoil (potentilla tabernaemontani/reptans)					✓			
9	Safflower Skipper (<i>Pyrgus carthami</i>)	Spring cinquefoil (potentilla tabernaemontani/hirta)			✓	✓	✓	✓	✓	
10	Grizzled Skipper (<i>Pyrgus malvae</i>)	Wild strawberry/Tormentil (fragaria vesca/potentilla reptans)						✓		
11	Olive Skipper (<i>Pyrgus serratalae</i>)	Sulphur cinquefoil (potentilla recta/pedata/hirta)								
12	Red-underwing Skipper (<i>Spialia sertorius</i>)	Salad burnet (sanguisorba minor)		✓	✓	✓	✓	✓		
13	Lulworth Skipper (<i>Thymelicus aeteon</i>)	Tor grass/False brome (brachypodium pinnatum/brachypodium sylvaticum)		✓	✓	✓		✓		
14	Essex Skipper (<i>Thymelicus lineola</i>)	Upright brome/creeping velvet grass (bromus erectus/holcus mollis)		✓	✓	✓	✓	✓	✓	
15	Small Skipper (<i>Thymelicus sylvestris</i>)	Yorkshire fog/timothy (holcus lanatus/phleum pratense)		✓	✓	✓	✓	✓	✓	
16	Brown Argus (<i>Aricia agestis</i>)	Common rock rose/white rock rose (helianthemum nummularium/apenninum)		✓	✓	✓				
17	Mountain Argus (<i>Aricia artaxerxes</i>)	Common rock rose (helianthemum nummularium)					✓	✓		
18	Geranium Argus (<i>Aricia eumedon</i>)	Bloody cranesbill/wood cranesbill (geranium sanguineum/sylvaticum)			✓			✓	✓	
19	Silvery Argus (<i>Aricia nicias</i>)	Wood cranesbill/meadow cranesbill (geranium sylvaticum/pratense)			✓		✓	✓		
20	Geranium Bronze (<i>Cacyreus marshalli</i>)	Rose-scented pelargonium/king pelargonium (pelargonium capitatum/grandiflorum)						✓	✓	
21	Holly Blue (<i>Celastrina argiolus</i>)	Holly/ivy (ilex aquifolium/hedera helix)					✓	✓	✓	
22	Small Blue (<i>Cupido minimus</i>)	Kidney vetch (anthyllis vulneraria)				✓	✓	✓	✓	
23	Osiris Blue (<i>Cupido osiris</i>)	Sainfoin (onobrychis viciifolia)						✓	✓	
24	Mazarine Blue (<i>Cyaniris semiargus</i>)	Red clover/white clover (trifolium pratense/repens)			✓		✓	✓	✓	
25	Green-underside Blue (<i>Glaucopteryx alexis</i>)	Milk vetch/lucerne (astragalus glycyphyllos/medicago sativa)								
26	Lang's Short-tailed Blue (<i>Lepotes pirithous</i>)	White sweet clover/mediterranean gorse (melilotus albus/ulex parviflorus)		✓	✓	✓	✓	✓	✓	
27	Mountain Alcon Blue (<i>Phengaris alcon (rebeli)</i>)	Marsh gentian/willow gentian (gentiana pneumonanthe/gentiana asclepiadea)					✓			
28	Large Blue (<i>Phengaris arion</i>)	Broad-leaved thyme/creeping thyme (thymus pulegioides/thymus praecox)			✓	✓		✓	✓	
29	Silver-studded Blue (<i>Plebejus argus</i>)	Bird's foot trefoil/bladder senna (lotus corniculatus/colutea arborescens)		✓	✓	✓	✓	✓	✓	
30	Glandon Blue (<i>Plebejus glandon</i>)	Rock jasmine (androsace chamaejasme/androsace vitaliana)						✓	✓	
31	Idas Blue (<i>Plebejus idas</i>)	Common sea buckthorn/common broom (hippophae rhamnoides/cytisus scoparius)						✓	✓	
32	Alpine Blue (<i>Plebejus orbitulus</i>)	Alpine milkvetch (astragalus alpinus)						✓		
33	Amanda's Blue (<i>Polyommatus amandus</i>)	Tufted vetch/wood vetch (vicia cracca/vicia sylvatica)				✓	✓	✓		
34	Adonis Blue (<i>Polyommatus bellargus</i>)	Horseshoe vetch (hippocrepis comosa)		✓	✓	✓		✓		
35	Chalk-hill Blue (<i>Polyommatus coridon</i>)	Horseshoe vetch (hippocrepis comosa)		✓	✓	✓	✓	✓	✓	
36	Damon Blue (<i>Polyommatus damon</i>)	Sainfoin (onobrychis viciifolia)				✓	✓	✓	✓	
37	Furry Blue (<i>Polyommatus dolus</i>)	Rock sainfoin (onobrychis saxatilis)								
38	Turquoise Blue (<i>Polyommatus dorylas</i>)	Kidney vetch (anthyllis vulneraria)		✓			✓		✓	
39	Eros Blue (<i>Polyommatus eros</i>)	Yellow oxytropis/mountain milk vetch (oxytropis campestris/oxytropis jacquinii)					✓	✓	✓	
40	Escher's Blue (<i>Polyommatus escheri</i>)	Montpellier milk vetch (astragalus monspessulanus)		✓	✓	✓	✓	✓	✓	
41	Common Blue (<i>Polyommatus icarus</i>)	Birds foot trefoil/black medick (lotus corniculatus/medicago lupulina)		✓	✓	✓	✓		✓	
42	Chapman's Blue (<i>Polyommatus thersites</i>)	Sainfoin/rock sainfoin (onobrychis viciifolia/onobrychis saxatilis)		✓			✓			
43	Baton Blue (<i>Pseudophilotes baton</i>)	Wild thyme (thymus vulgaris)		✓		✓				
44	Chequered Blue (<i>Scotiantides orion</i>)	Orpine/white stonecrop (sedum telephium/sedum album)								
45	Purple-shot Copper (<i>Lycaena alciphron</i>)	Common sorrel/french sorrel (rumex acetosa/rumex scutatus)		✓	✓		✓	✓	✓	
46	Purple-edged Copper (<i>Lycaena hippothoe</i>)	Common sorrel/sheep's sorrel (rumex acetosa/rumex acetosella)			✓	✓		✓	✓	
47	Small Copper (<i>Lycaena phlaeas</i>)	Common sorrel/sheep's sorrel (rumex acetosa/rumex acetosella)		✓	✓	✓	✓	✓	✓	
48	Sooty Copper (<i>Lycaena tityrus</i>)	Common sorrel/french sorrel (rumex acetosa/rumex scutatus)		✓	✓	✓		✓	✓	

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Butterfly species	Principal LHP(s)									
49	Scarce Copper (<i>Lycaena virgaureae</i>)	Common sorrel/french sorrel (rumex acetosa/rumex scutatus)			✓	✓	✓	✓	✓	
50	Green Hairstreak (<i>Callophrys rubi</i>)	Prostrate canary clover/lucerne/yellow restharrow (dorycnium pentaphyllum/medicago sativa/ononis striata)								
51	Sloe Hairstreak (<i>Satyrus acaciae</i>)	Blackthorn/St Lucie cherry (prunus spinosa/prunus mahaleb)		✓						
52	Ilex Hairstreak (<i>Satyrus ilicis</i>)	Downy oak (quercus pubescens)		✓				✓		
53	Blue-spot Hairstreak (<i>Satyrus spini</i>)	Mediterranean buckthorn/purging buckthorn (rhamnus alaternus/rhamnus cathartica)		✓			✓	✓	✓	
54	High Brown Fritillary (<i>Argynnis adippe</i>)	Early dog-violet/common dog violet (Viola reichenbachiana/viola riviniana)		✓	✓		✓	✓	✓	
55	Dark Green Fritillary (<i>Argynnis aglaja</i>)	Hairy violet/alpine marsh violet (viola hirta/viola palustris)			✓	✓	✓	✓	✓	
56	Niobe Fritillary (<i>Argynnis niobe</i>)	Hairy violet/alpine marsh violet/common dog violet (viola hirta/viola palustris/viola riviniana)			✓	✓	✓	✓	✓	
57	Silver Washed Fritillary (<i>Argynnis paphia</i>)	Common dog-violet/early dog-violet (viola riviniana/viola reichenbachiana)		✓		✓	✓	✓	✓	
58	Weaver's Fritillary (<i>Boloria dia</i>)	Sweet violet/hairy violet (viola odorata/viola hirta)		✓	✓		✓	✓	✓	
59	Pearl-bordered Fritillary (<i>Boloria euphrosyne</i>)	Early dog-violet/common dog violet (viola reichenbachiana/viola riviniana)			✓	✓		✓	✓	
60	Mountain Fritillary (<i>Boloria napaea</i>)	Alpine yellow violet/alpine bistort (viola biflora/polygonum viviparum)			✓			✓	✓	
61	Shepherd's Fritillary (<i>Boloria pales</i>)	Mountain violet (viola calcarata)						✓	✓	
62	Titania's Fritillary (<i>Boloria titania</i>)	Alpine yellow violet/European bistort (viola biflora/polygonum bistorta)			✓	✓	✓	✓	✓	
63	Marbled Fritillary (<i>Brenthis daphne</i>)	Woolly blackberry/European blackberry (rubus canascens/rubus fruticosus)			✓		✓	✓	✓	
64	Lesser Marbled Fritillary (<i>Brenthis ino</i>)	Meadowsweet (filipendula ulmaria)				✓	✓	✓	✓	
65	Marsh Fritillary (<i>Euphydryas aurinia</i>)	Devil's bit-scabious/small scabious (succisa pratensis/scabiosa columbaria)				✓	✓	✓	✓	
66	Cynthia's Fritillary (<i>Euphydryas cynthia</i>)	Alpine plantain/mountain violet (plantago alpina/viola calcarata)			✓			✓		
67	Queen of Spain Fritillary (<i>Issoria lathonia</i>)	Field pansy/heartsease (viola arvensis/viola tricolor)					✓	✓	✓	
68	Heath Fritillary (<i>Melitaea aethalia</i>)	Common cow-wheat/field cow-wheat (melampyrum pratense/melampyrum arvense)		✓	✓	✓	✓	✓	✓	
69	Glanville Fritillary (<i>Melitaea cinxia</i>)	Ribwort plantain/broadleaf plantain (plantago lanceolata/plantago major)			✓					
70	False Heath Fritillary (<i>Melitaea diamina</i>)	Common valerian/ribwort plantain (valeriana officinalis/plantago lanceolata)			✓	✓	✓	✓	✓	
71	Spotted Fritillary (<i>Melitaea didyma</i>)	Ribwort plantain/yellow woundwort (plantago lanceolata/stachys recta)		✓	✓	✓	✓	✓	✓	
72	Meadow Fritillary (<i>Melitaea parthenoides</i>)	Ribwort plantain/alpine plantain (plantago lanceolata/plantago alpina)				✓	✓	✓	✓	
73	Knapweed Fritillary (<i>Melitaea phoebe</i>)	Lesser knapweed/greater knapweed (centaurea nigra/centaurea amara)		✓	✓	✓	✓	✓	✓	
74	Grisons Fritillary (<i>Melitaea varia</i>)	Alpine plantain/gentiana verna (alpine plantain/spring gentian)			✓					
75	Small Tortoiseshell (<i>Aglais urticae</i>)	Stinging nettle (urtica dioica)			✓			✓		
76	Lesser Purple Emperor (<i>Apatura ilia</i>)	Populus nigra/populus tremula (black poplar/common aspen)								
77	White Admiral (<i>Limenitis camilla</i>)	Dwarf honeysuckle/common honeysuckle (lonicera xylosteum/lonicera periclymenum)			✓			✓	✓	
78	Southern White Admiral (<i>Limenitis reducta</i>)	Etruscan honeysuckle/evergreen honeysuckle (lonicera etrusca/lonicera implexa)		✓			✓	✓	✓	
79	Large Tortoiseshell (<i>Nymphalis polychloros</i>)	Wych elm/field elm (ulmus glabra/ulmus minor)								
80	Comma (<i>Polygona c-album</i>)	Common hop/urtica dioica (humulus lupulus/stinging nettle)		✓		✓	✓	✓	✓	
81	Southern Comma (<i>Polygona egea</i>)	Eastern pellitory of the wall (parietaria officinalis)				✓				
82	Red Admiral (<i>Vanessa atalanta</i>)	Stinging nettle/annual nettle (urtica dioica/urtica urens)			✓	✓	✓		✓	
83	Painted Lady (<i>Vanessa cardui</i>)	Creeping thistle/spear thistle (cirsium arvense/cirsium vulgare)		✓	✓	✓	✓	✓	✓	
84	Scarce Swallowtail (<i>Iphiclydes podalirius</i>)	(prunus spinosa/prunus mahaleb) Blackthorn/St Lucie cherry		✓	✓	✓	✓	✓	✓	
85	Swallowtail (<i>Papilio machaon</i>)	Fennel/wild carrot (foeniculum vulgare/daucus carota)		✓	✓	✓	✓	✓	✓	
86	Apollo (<i>Parnassius apollo</i>)	White stonecrop/orpine (sedum album/sedum telephium)			✓	✓		✓	✓	
87	Clouded Apollo (<i>Parnassius mnemosyne</i>)	Fumewort/spring fumewort (corydalis solida/corydalis bulbosa)							✓	
88	Small Apollo (<i>Parnassius phoebus</i>)	Yellow mountain saxifrage/aaron's rod (saxifraga aizoides/rhodiola rosea)						✓		
89	Orange Tip (<i>Anthocharis cardamines</i>)	Cuckoo flower/garlic mustard (cardamine pratensis/alliaria petiolata)			✓			✓		
90	Black-veined White (<i>Aporia crataegi</i>)	Common hawthorn/whitebeam (crataegus monogyna/sorbus aria)		✓	✓	✓	✓	✓	✓	
91	Berger's Clouded Yellow (<i>Colias alfaciensis</i>)	Horseshoe vetch (hippocrepis comosa)		✓	✓	✓		✓	✓	
92	Clouded Yellow (<i>Colias crocea</i>)	Lucerne/trifolium pratense/trifolium repens (medicago sativa/red/white clover)		✓	✓		✓	✓	✓	
93	Mountain Clouded Yellow (<i>Colias phicomone</i>)	Horseshoe vetch (hippocrepis comosa)			✓		✓	✓	✓	
94	Mountain Dappled White (<i>Euchloe simponia</i>)	Buckler mustard (biscutella laevigata)								
95	Cleopatra (<i>Gonepteryx cleopatra</i>)	Mediterranean buckthorn (rhamnus alaternus)		✓	✓	✓	✓	✓		

