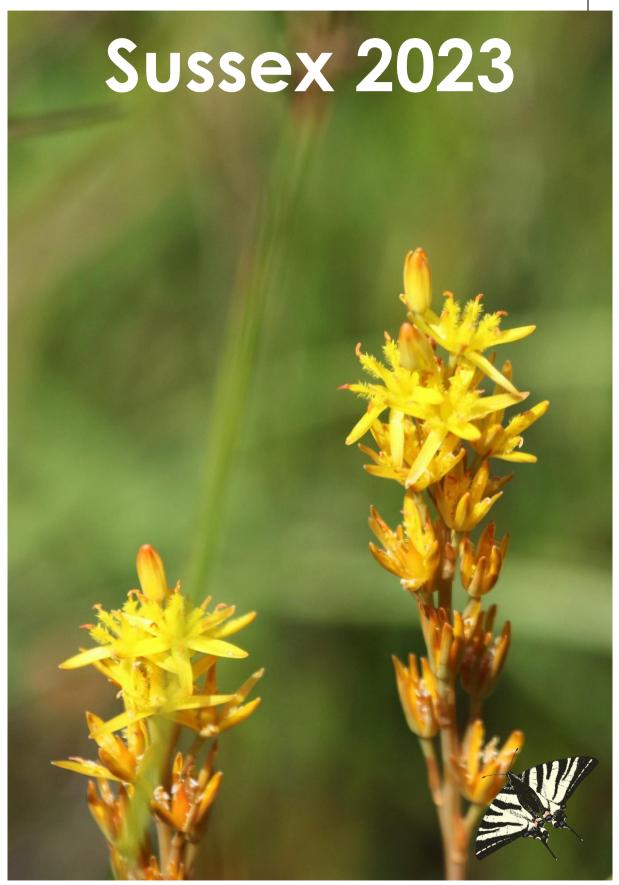
# WILDLIFE TRAVEL



#	DATE	LOCATIONS AND NOTES
1	3 <sup>rd</sup> July	Arrival in Buxted, East Sussex.
2	4 <sup>th</sup> July	Seaford Head Nature Reserve, Park Corner Heath and Rowland Wood.
3	5 <sup>th</sup> July	South Downs National Park: Friston Forest and Lullington Heath.
4	6 <sup>th</sup> July	Ashdown Forest.
5	7 <sup>th</sup> July	Knepp Wildland and Shoreham Beach Local Nature Reserve.
6	8 <sup>th</sup> July	Depart.

#### Leaders

Laurie JacksonSussexMichael BlencoweSussex

A gallery of photos from the trip is at https://www.flickr.com/photos/wildlifetravel/albums/72177720309641148/with/53031975935/



Front: Bog Asphodel. Above: the group exploring Seaford Head (Michael Blencowe).

## Day One: 3<sup>rd</sup> July. Arrival in Sussex.

Following our respective journeys to Buxted in the Sussex High Weald, we gathered for an introduction to the holiday and our first delicious meal together.

#### Day Two: 4<sup>th</sup> July. Seaford Head Nature Reserve, Park Corner Heath and Rowland Wood.

We set out south this morning, the threatened rain thankfully never appearing. Our journey brought us through the East Sussex county town of Lewes, where the South Downs rose imposingly above us, before we passed Lewes Brooks, part of the River Ouse floodplain and on to the shingle-clad seafront at Seaford.

Walking to Splash Point, at the end of the promenade alongside chalk cliffs formed from the compacted remains of billions of Cretaceous marine plankton, we beheld the sight and sound of rows of Kittiwakes, their fluffy white chicks nestled on the small chalk ledges. The cliffs here draw these nomadic mariners for a few months every summer at one of southern England's last remaining breeding sites.

Carrying on we reached Seaford Head, a Local Nature Reserve and part of the Seaford to Beachy Head Site of Special Scientific Interest for the start of our walk. Skylark song rose and fell around us as we passed through a scrubby area with tall herbs including Black Horehound and Viper's Bugloss attended by a selection of bumblebees.

The top of the reserve is dominated by scrub including plentiful Wild Privet, Blackthorn and Wayfaring Tree, and this is an important spot for both inbound and outbound migrating birds. Greenfinches were singing their quirky song here, combining breathless wheezing with rapid twittering, joined by Chiffchaff, Song Thrush, Blackcap and Dunnock.

Along the edge of the scrub we found plenty of wild flowers including Agrimony, the yellow froth of Lady's Bedstraw and the hemi-parasite Red Bartsia that infiltrates the roots of grasses, helping itself to some of their nutrients.

There were plenty of butterflies, with spotted Large Skippers joined by newly-emerged Gatekeepers basking on the Bramble and the understated Small Heath. Among tall banks of Rosebay Willowherb draped in scrambling White Bryony we found the large, purple trumpets of Deadly Nightshade and took the opportunity to test the Stinking Iris with its Bovril-like aroma.

An explosive song from the scrub took us by surprise, revealing a Cetti's Warbler, far from what is considered its usual wetland habitat.

We reached a shorter, Rabbit-grazed area its chalk grassland community filled with Eyebright, Wild Thyme, Salad Burnet, Dropwort and a scattering of Pyramidal Orchids. A beautifully fresh Marbled White was still in the process of pumping up its wings and we found a couple of Clusterd Bellflowers along with the pink flowers of Common Centaury, and the tiny Thyme-leaved Sandwort.

As we neared the cliff edge, where Fulmars glided silently by and a pair of Kestrels hovered briefly, the iconic chalk sea cliffs of Seven Sisters rose into view to our east. After a short climb we spotted a

couple of Dark Green Fritillaries nectaring on the large, purple flowers of Greater Knapweed before finding the perfect place for our picnic, one of the local Herring Gulls shuffling closer as we ate.

Around the Bramble patches Michael spotted a Great Green Bush-cricket, which did its best to avoid detection despite its size, whilst a small group of Green-eyed (or Little) Flower Bees whizzed between flowers.

We continued downwards towards the shingle beach at Cuckmere Haven, a handsome pink-flushed male Linnet flying away as we approached. On the shingle beach towering plants of Weld were joined by the rich blue of Viper's Bugloss and the bright yellow flowers of Yellow-horned Poppy, its large 'horn' seedpods already beginning to form.

Crossing the channel, where a small group of Rock Pipits were picking through the stones, we found a small patch of Greater Rock-spurrey whilst the Common Sea-lavender had flushed the opposite bank purple.

Our walk led us alongside the River Cuckmere passing groups of chattering Black-headed Gulls splashing in the shallows, accompanied by the first gingery youngsters of the year, with a dozen or so Little Egrets roosting in nearby scrub joined at a respectful distance by a pair of Grey Herons.

The saltmarsh fringe here contained grey-green Sea Purslane, Sea Wormwood, Sea Beet, Rock Samphire and plentiful Sea Couch, and we found a pair of Reed Buntings carrying food to a nest concealed in the vegetation.

We carried on, to explore an entirely different habitat at the Butterfly Conservation reserve of Rowland Wood and Park Corner Heath. The reserve is a remnant of what was once a much larger heathland and woodland complex before it was planted with conifers, and is an important site for Pearl-bordered Fritillaries.

The heathers here were joined by the yellow flowers of Tormentil, and along a wooded bank we found a small patch of Yellow Pimpernel. Several large female Slow-worms were basking under a refugium and Red Admirals abounded as we walked: a large invasion was clearly underway during the time of our holiday!

Around one of the reserve's ponds we found Azure Damseflies and a Beautiful Demoiselle, whilst a Little Grebe did its best to avoid being spotted as it lurked under the overhanging trees. From here it was a short journey back to our hotel and another tasty dinner.



Top to bottom: Deadly Nightshade; Green-eyed Flower Bee; Musk Mallow; Yellow-horned Poppy.

## Day Three: 5<sup>th</sup> July. South Downs National Park: Friston Forest and Lullington Heath.

We headed south again today back to the South Downs National Park to explore further inland. This is England's newest National Park, designated in 2010, and includes swathes of chalk grassland, along with the chalk sea cliffs we had seen yesterday and some of the woodland and heathland of the western Weald.

Our walk started in the small village of Jevington (one of the candidates for the birthplace of Banoffee Pie!). Climbing up along a chalky path the verges were filled with wildflowers including Pale Flax, Kidney Vetch and Bladder Campion, and a tiny Brown Argus butterfly posed briefly on a grass stem before melting away into the vegetation.

The path brought us to the edge of Friston Forest, a large area of Beech woodland that was planted in the 1920s to protect the Eastbourne aquifer below. As we reached the top a large Emperor Dragonfly was swooping in wide arcs in pursuit of whatever it could fit in its mouth, and a couple of Roe Deer fawns hid in the shadows at the woodland edge.

Among the Bramble and willowherbs were the pink flowers of Common Hemp-nettle and a much smaller tangle of tiny lilac-flowered Smooth Tare. The flowers were busy with butterflies: the ubiquitous Meadow Brown, Gatekeeper and Ringlet joined by yet more Red Admirals, whilst a fresh Painted Lady contrasted with a ragged Comma that had seen much better days, and a confrontational Silver-washed Fritillary alternated nectaring with chasing off other butterflies. There were more Great Green Bush-crickets here, along with Roesel's Bush-cricket with its yellow-green crescent marking and tattoo-gun song, and the plainer Dark Bush-cricket.

In the open grasslands plenty of 'Smessex Skippers' tumbled: as we had already seen, Small and Essex Skipper need a closer look to separate them. A group of Swallows swarmed through chattering loudly as they passed, before our walk led us into Friston Forest. The wide glades were full of wildflowers including Hemp Agrimony, Tufted Vetch, Vervain and Wild Mignonette, and a scramble of Wild Strawberry held a good crop of tiny but delicious fruits.

Along the shady edges a large dark butterfly glided into view, our first of several White Admirals: a specialist of woodland, which lays its eggs on shaded straggles of Honeysuckle. There were also several Bumblebee Hoverflies here, who despite their best attempts did not persuade us they were bumblebees.

Back out in the open, we made our way to the entance to Lullington Heath as a wave of Swifts swept through at close range. Lullington Heath comprises chalk grassland alongside a rare habitat known as chalk heath, in which acidic soil deposits over the underlying chalk support a fascinating mix of chalk grassland plants alongside those more typical of heathland or acid grassland.

We stopped for lunch with fine views over Lullington, Friston Forest, on to Seaford Head and beyond, the English Channel. The strengthening wind had grounded the Skylarks and carried away the faint Yellowhammer song but luckily for us the ominous grey clouds failed to follow through on their threats.

As we explored, we encountered Lullington's Exmoor ponies, hard at work on the Gorse that at one time had threatened to swallow up much of the open habitat. The grassland bubbled with anthills, which were perhaps the best spots to study a community of plants that have no business growing together: the frilly leaves of Dropwort pushed up through the Heather (or Ling), whilst Common Thyme, Betony, Tormentil, Squinancywort and Wood Sage jostled for space.

The final part of our walk brought us back in to the open as we followed the flower-lined path towards the small village of Litlington. The verges here held new flowers including Field Scabious (four-petalled flowers), allowing comparisons with our earlier find of Small Scabious (five-petalled flowers and black bristles). Tall Pyramidal Orchids popped up periodically and we found a patch of Yellow-rattle along with the yellow mouths of Common Toadflax and a large patch of Dyer's Greenweed. Among a Bramble patch we spotted the impressively large, yellow-spotted caterpillar of the Emperor Moth. As we were to later discover however, this particular individual would never take to the skies, as our photos revealed a cluster of tachinid fly eggs laid on its side that would have sealed its fate.

There was time to try a local beer or ice cream (or both!) before we headed back, past the 72m Long Man of Wilmington, to the hotel to digest another great dinner and day.



Above: Common Hemp-nettle.







Top to bottom: Painted Lady; parasitised Emperor Moth; anthill on chalk heath.

#### Day Four: 6<sup>th</sup> July. Ashdown Forest.

We stayed 'closer to home' today to explore Ashdown Forest, located on the highest sandy ridge of the High Weald Area of Outstanding Natureal Beauty. Once a medieval hunting forest, Ashdown Forest now enjoys multiple conservation designations in recognition of its extensive tracts of heathland, semi-natural woodland, wet flushes and bog.

We arrived at Old Lodge, a Sussex Wildlife Trust reserve amid a noticeably different landscape to our previous two days. The deep-purple Bell Heather was already in flower among the Heather and Gorse, and nestled lower down we found Dwarf Gorse, Tormentil, Heath Bedstraw and Heath Milkwort, accompanied by large tufts of Purple Moor-grass.

A Wren was singing unselfconsciously atop a Gorse whilst Siskins called back and forth, obscured in the tops of the conifers. We found plenty of Large Skippers here waiting patiently for the sun to arrive, and the song of a distant Woodlark drifted towards us.

Reaching a more-wooded area where a Great Spotted Woodpecker flew low through the trees, a smaller bird caught our attention: a Redstart. As we watched both male and female darted busily from branch to stump to low birch sapling as they collected food for a brood tucked safely in one of the reserve's nest boxes.

We passed a small pond with its dark-stained water, finding the large floating leaves of Bog Pondweed and the small lilac flowers of Lesser Skullcap in the damp ground around its edges. Our walk wound us down towards a small stream, with a solitary Fallow Deer watching us descend and a family of Coal Tits moving noisily through the scattered trees.

With the clouds overhead the stream was quiet on the dragonfly front but the newly-installed Sweet Chestnut bridge caused some amusement as it was determinedly sprouting with fresh growth. A patch of Heath Spotted Orchids provided a distraction from the climb, as did the chance to pick Bilberries.

Nearing the end of our walk we found a large patch of the delicate Ivy-leaved Bellflower nestled close to the path, before a low rattling song grabbed our attention from a nearby Gorse. As we watched a Dartford Warbler hopped between low perches before disappearing back into the scrub.

We carried on to the Visitor Centre for lunch under the shade of oaks, with a Purple Emperor gliding through the canopy above us, before setting off to explore an area of wet heath. Walking along a sandy path, we watched an Emperor Dragonfly dismantle a Meadow Brown before spotting a pair of Tree Pipits on top of a pine, one gently singing its lilting song whilst the other quietly descended to an an unseen nest with a large beakful of food.

We reached a wet flush with plentiful Cross-leaved Heath much paler than the Bell Heather. Tall, vibrant yellow spikes of Bog Asphodel were at their best, whilst a haze of red clinging low to the ground revealed itself as a mat of Round-leaved Sundew, accompanied by another swarm of Heath Spotted Orchid, along with some tufts of Cottongrass.

Making our way through the woods and back out into the open we had some wonderful views across the Forest before Michael appeared bearing a Green Tiger Beetle. These large, bottle-green predators haunt open areas within the heath, and we soon let it on its way to terrorise the local invertebrate population.

A family of Stonechats clacked from scattered perches in the Bracken and scrub as we returned to the bus for a short journey to our final stop of the day to look for one of Ashdown's more elusive residents. Up on another stretch of dry heathland with ridges of mature Heather and Bell Heather among scattered Gorse we set out for another walk. A Red-banded Sand Wasp was prowling a patch of bare sand: the females maintain a series of burrows in which they lay their eggs along with a handy supply of paralised caterpillars.

Our patience was soon rewarded as a tiny silver-blue butterfly was spotted dancing over the Bell Heather: a Silver-studded Blue, now only found in scattered colonies in Ashdown Forest. We spotted several males along with a brown female, before making our way back to the bus and on to the hotel.





Above: Wren; Lesser Skullcap.



Top to bottom: Ivy-leaved Bellflower; Heath Spotted Orchid; Round-leaved Sundew; Silverstudded Blue.

#### Day Five: 7<sup>th</sup> July. Knepp Wildland and Shoreham Beach Local Nature Reserve.

Today we forayed into West Sussex for the first time, and Sussex's Low Weald. We were here to visit the Knepp Estate: once home to an arable and dairy enterprise, it is now the site of a large ecological restoration project using five species of free-roaming 'mega-herbivores' (English Longhorn cattle, Exmoor ponies, Fallow Deer, Red Deer and Tamworth pigs), which are proxies for their wild ancestors. The course of the project is determined by natural processes such as vegetation succession and disturbances including the grazing and browsing of the animals, alongside the hydrology of the site, in an approach now familiarly known as "rewilding".

As we turned up the long track into Knepp's southern block we got a feel for the landscape that we would be exploring: former arable fields on the heavy Weald clay where large oak trees sit amid a mosaic of open grassland and patches of scattered and established scurb offering a savannah-like scene. We also had our first megaherbivore encounter with a large herd of Longhorns busy grazing in an open area, followed by a group of Fallow Deer lounging in the shade in the growing heat.

Our visit coincided with 'Emperor season' and it wasn't long before we spotted one of these large and sought after butterflies, a Purple Emperor patrolling one of Knepp's mature oaks. Our walk passed through an area of willow scrub perfect for egg-laying females, and sure enough we spotted a large female here perched overhead.

Further along we found a small clearing with some Wych Elm and after a short wait spotted a small, dark butterfly ascending and chasing above the canopy. This was a White-letter Hairstreak and for today an aerial view was as good as it was going to get with the Bramble patches crowded out by Gatekeepers and Meadow Browns. Among the oaks we had glimpses of another arboreal species, the silvery Purple Hairstreak, but it was no match for the Purple Emperors and we saw several more of these impressive butterflies during our walk.

With its intensive heritage, Knepp is not the richest place for wildflowers but we found some interesting species here including the sprawling Sharp-leaved Fluellen in patches of bare ground that had been 'rootled' by the Tamworth pigs in their quest for food.

We reached a quiet and shaded spot for lunch with yet more Purple Emperor action overhead and plenty of Banded Demoiselles drifting over a small stream, joined by Beautiful Demoiselles, Bluetailed Damselflies, Common Darters and Black-tailed Skimmers. Around the stream we spotted Marsh Woundwort, Water Mint and Water Forget-me-not, along with large patches of Water-pepper and Silverweed.

We made our way back alongside the Hammer Pond: a relic of the iron industry once present in the High and Low Weald of Sussex. Out on the water striped-headed Great Crested Grebe chicks shrieked for food whilst the young Coots were seemingly left to fend for themselves. Swathes of pink-flowered Amphibious Bistort emerged from the water and a pair of Tufted Ducks dozed in the middle of the pond while a Reed Warbler croaked nearby.

Our next stop was another stetch of the Sussex coastline: Shoreham Beach, which sits at the mouth of the River Adur. Our first stop took us down to an unassuming stretch of beach. Passing towering Fennel, Black Horehound and Purple Toadflax we reached a low patch of vegetation where amongst the fluffy flowerheads of Hare's-foot Clover we found the plant we had come to see: the diminutive pink flowers of Childing Pink, growing here at one of only two British mainland sites. The population here was almost lost to development but there is now a reasonable population, albeit in a tiny area.

We moved on to Shoreham Fort, built in the 1850s during a period of political unrest and the vegetated shingle habitat of Shoreham Beach Local Nature Reserve where great clouds of Sea Kale were growing alongside Tree Mallow, English Stonecrop, Thrift and plenty of non-native Red Valerian and Silver Ragwort. After a brief search we found another of Shoreham Beach's specialities, Starry Clover. The clover's small white flowers sit within a large crimson, star-shaped calyx, giving it its common name. A naturalised species, first recorded in 1804 at the beach, Starry Clover is common in the Mediterranean but in Britain is only known from one other site, in Hampshire.

Peering at us from a low brick wall was the final of our trio of peculiarities for the afternoon: a Wall Lizard. Widespread in mainland Europe, although not native to England there are a number of colonies established, including three in Sussex. It was then onward to the hotel, for our final meal together.

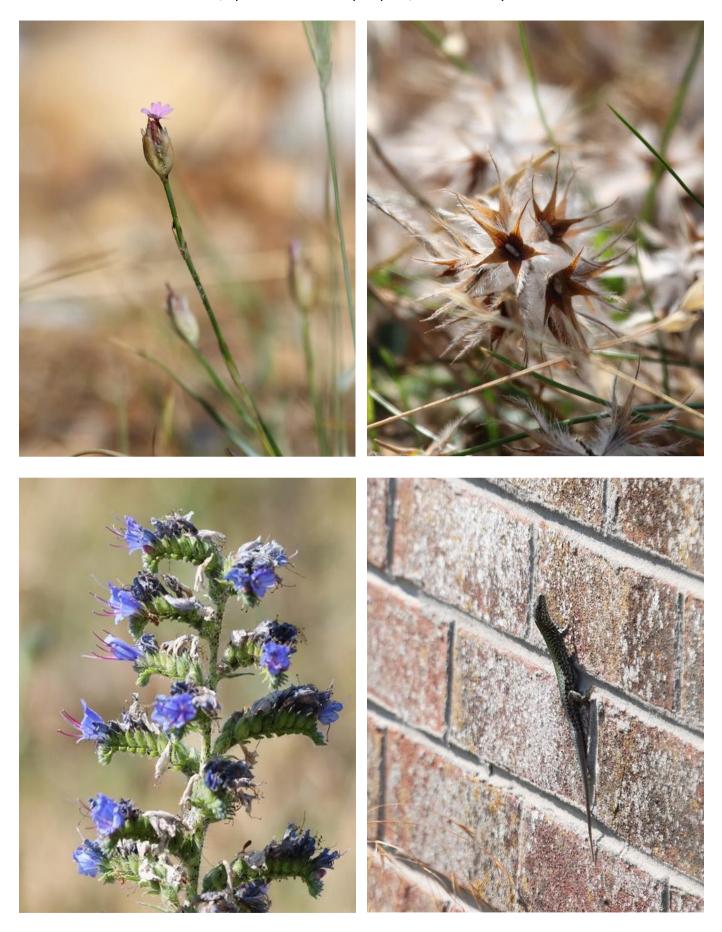
Thank you to all the travellers for joining us to explore Sussex.

Laurie Jackson, Wildlife Travel. July 2023.





Above: Knepp 'savannah'; Purple Emperor.



Top to bottom: Childing Pink; Starry Clover; Viper's Bugloss; Wall Lizard.

SUSSEX 2023: some highlights

#### **PLANTS**

This checklist follows the taxonomy published by the Royal Botanic Gardens, Kew **Plants of the World Online** as updated by <a href="https://powo.science.kew.org">https://powo.science.kew.org</a>

Most plant species do not have English names and even when they do, these vary according to author. A common name is given as a guide to help those who are not familiar with the scientific name. Plant families are in alphabetical order, for simplicity: the English name of a family member is also given so you can relate the family to plants you may know.

SCIENTIFIC NAME	ENGLISH NAME	Notes
FERNS		
Asplenium scolopendrium	Hart's Tongue Fern	Rowland Wood
Polypody vulgare agg.	Polypody	Old Lodge
Pteridium aquilinum	Bracken	Park Corner Heath
DICOTYLEDONS		
Amaranthaceae (Amaranth fa	amily)	
Atriplex portulacoides	Sea Purslane	Cuckmere Haven
Beta vulgaris	Sea Beet	Cuckmere Haven
Salicornia europaea agg	Common Glasswort	Cuckmere Haven
Apiaceae (Carrot family)		
Anthriscus sylvestris	Cow Parsley	Rowland Wood
Chaerophyllum temulum	Rough Chervil	South Downs
Crithmum maritimum	Rock Samphire	Cuckmere Haven
Daucus carota	Wild Carrot	Cuckmere Haven, South Dov
Foeniculum vulgata	Fennel	Shoreham Beach
Heracleum sphodylium	Hogweed	Seaford Head
Oenanthe crocata	Hemlock Water-dropwort	Knepp Wildland
Smyrnium olusatrum	Alexanders	South Downs
Torilis japonica	Upright Hedge-parsley	Seaford Head, South Downs
Asteraceae (Daisy family)		
Achillea millefolium	Yarrow	widespread
Arctium minus	Lesser Burdock	widespread
Artemisia maritima	Sea Wormwood	Cuckmere Haven
Artemisia vulgaris	Mugwort	widespread
Aster tripolium	Sea Aster	Cuckmere Haven
Carduus tenuiflorus	Slender Thistle	Seaford Head
Carlina vulgaris	Carline Thistle	Seaford Head
Centaurea nigra	Common Knapweed	widespread
Centaurea scabiosa	Greater Knapweed	Seaford Head, South Downs
Cirsium acaule	Dwarf Thistle	Seaford Head, South Downs
Cirsium palustre	Marsh Thistle	widespread

SCIENTIFIC NAME	ENGLISH NAME	Notes
Crepis capillaris	Smooth Hawk's-beard	Seaford Head
Eupatorium cannabinum	Hemp Agrimony	Friston Forest
Gnaphalium uliginosum	Marsh Cudweed	Knepp Wildland
Hypochaeris radicata	Cat's-ear	Old Lodge
Jacobaea maritima	Silver Ragwort	Shoreham Beach
Lapsana communis	Nipplewort	widespread
Leontodon hispidus	Rough Hawkbit	South Downs
Leucanthemum vulgare	Ox-eye Daisy	South Downs
Matricaria discoidea	Pineappleweed	widespread
Picris echioides	Bristly Oxtongue	widespread
Pilosella officinarum	Mouse-ear Hawkweed	Seaford Head, Lullington He
Pulicaria dysenterica	Common Fleabane	Cuckmere Haven
Senecio erucifolius	Hoary Ragwort	widespread
Senecio jacobaea	Common Ragwort	widespread
Sonchus arvensis	Perennial Sow-thistle	Friston Forest
Sonchus asper	Prickly Sow-thistle	Seaford Head
Tragopogon pratensis agg	Goat's-beard	Seaford Head, South Downs
Tripleurospermum maritimum	Scentless Mayweed	Cuckmere Haven
Boraginaceae (Borage family)		
Cynoglossum officinale	Hound's-tongue	Seaford Head
Echium vulgare	Viper's-bugloss	Seaford Head, South Downs
Myosotis arvensis	Field Forget-me-not	South Downs
Pentaglottis sempervirens	Green Alkanet	South Downs
Brassicaceae (Cabbage family)		
Capsella bursa-pastorius	Shepherd's Purse	South Downs
Crambe maritima	Sea Kale	Cuckmere Haven, Shorehar
		Beach
Lepidium campestre	Field Pepperwort	Seaford Head
Lepidium coronopus	Common Swine-cress	Ashdown Forest
Campanulaceae (Bellflower fam	nily)	
Campanula glomerata	Clustered Bellflower	Seaford Head
Wahlenbergia hederacea	Ivy-leaved Bellflower	Old Lodge
Caprifoliaceae (Honeysuckle far	mily)	
Lonicera periclymenum	Honeysuckle	Rowland Wood
Dispacus fullonum	Wild Teasel	Seaford Head
Knautia arvensis	Field Scabious	South Downs
Scabiosa columbaria	Small Scabious	South Downs
Valeriana rubra	Red Valerian	Shoreham Beach
Caryophyllaceae (Campion fam	ily)	
Arenaria serpyllifolia	Thyme-leaved Sandwort	Seaford Head
Cerastium arvense	Field Mouse-ear	Seaford Head
Petrorhagia nanteuilii	Childing Pink	Shoreham Beach

SCIENTIFIC NAME	ENGLISH NAME	Notes
Silene dioica	Red Campion	Seaford Head
Silene latifolia	White Campion	Cuckmere Haven
Silene uniflora	Sea Campion	Cuckmere Haven
Silene vulgaris	Bladder Campion	South Downs
Spergularia media	Greater Sea-spurrey	Cuckmere Haven
Stellaria graminea	Lesser Stitchwort	Rowland Wood, Ashdown
		Forest
Celastraceae (Bittersweet 1	family)	
Euonymus europaeus	Spindle	South Downs
Convolvulaceae (Bindweed	family)	
Calystegia sepium	Hedge Bindweed	widespread
Convolvulus arvensis	Field Bindweed	widespread
Crassulaceae (Stonecrop fa	·	
Sedum anglicum	English Stonecrop	Shoreham Beach
Cucurbitaceae (Gourd fam	•	
Bryonia dioica	White Bryony	Seaford Head, South Down
Droseraceae (Sundew fami		
Drosera rotundifolia	Round-leaved Sundew	Ashdown Forest
Ericaceae (Heath family)		
Calluna vulgaris	Heather	Park Corner Heath, Lullingt
		Heath, Ashdown Forest
Erica cinerea	Bell Heather	Lullington Heath, Ashdown
		Forest
Erica tetralix	Cross-leaved Heath	Ashdown Forest
Vaccinium myrtillus	Bilberry	Ashdown Forest
Fabaceae (Pea family)		
Anthyllis vulneraria	Kidney Vetch	South Downs
Genista tinctoria	Dyer's Greenweed	South Downs
Lathyrus pratensis	Meadow Vetchling	South Downs
Lotus corniculatus	Bird's-foot Trefoil	widespread
Lotus pedunculatus	Greater Bird's-foot Trefoil	Rowlands Wood
Medicago lupulina	Black Medick	widespread
Melilotus officinalis	Ribbed Melilot	Seaford Head, South Down
Ononis repens	Common Restharrow	Seaford Head, South Down
Trifolium arvense	Hare's-foot Clover	Shoreham Beach
Trifolium campestre	Hop Trefoil	Seaford Head, South Down
Trifolium pratense	Red Clover	widespread
Trifolium repens	White Clover	widespread
Trifolium stellatum	Starry Clover	Shoreham Beach
Ulex europaeus	Gorse	South Downs
Ulex minor	Dwarf Gorse	Ashdown Forest

SCIENTIFIC NAME	ENGLISH NAME	Notes
Vicia sepium	Bush Vetch	Seaford Head
Vicia tetrasperma	Smooth Tare	South Downs
Gentianaceae (Gentian family	<b>(</b> )	
Blackstonia perfoliata	Yellow-wort	South Downs
Centaurium erythraea	Common Centaury	Seaford Head, South Downs
Geraniaceae (Crane's-bill fam	ily)	
Geranium dissectum	Cut-leaved Crane's-bill	Seaford Head
Geranium robertianum	Herb-robert	South Downs
Hypericaceae (St John's Wort	family)	
Hypericum androsaemum	Tutsan	Rowland Wood
Hypericum perforatum	Perforate St John's Wort	Widespread
Linaceae (Flax family)		
Linum bienne	Pale Flax	South Downs
Linum catharticum	Fairy Flax	South Downs
Lamiaceae (Dead Nettle famil	ly)	
Ballota nigra	Black Horehound	Seaford Head
Clinopodium vulgare	Wild Basil	Lullington Heath
Galeopsis tetrahit	Common Hemp-nettle	Friston Forest
Glechoma hederacea	Ground Ivy	widespread
Lycopus europaeus	Gypsywort	Rowlands Wood
Mentha aquatica	Water Mint	Knepp Wildland
Prunella vulgaris	Selfheal	widespread
Scutellaria minor	Lesser Skullcap	Old Lodge
Stachys officinalis	Betony	Lullington Heath
Stachys palustris	Marsh Woundwort	Knepp Wildland
Stachys sylvatica	Hedge Woundwort	Rowland Wood
Teucrium scorodonia	Wood Sage	widespread
Thymus drucei	Wild Thyme	Seaford Head, South Downs
Lythraceae (Purple Loosestrif	e family)	
Lythrum salicaria	Purple Loosestrife	Knepp Wildland
Malvaceae (Mallow family)		
Malva arborea	Tree Mallow	Seaford Head, Shoreham Bea
Malva moschata	Musk Mallow	Seaford Head
Malva sylvestris	Common Mallow	widespread
Onagraceae (Willowherb fam	ily)	
Circaea lutetiana	Enchanter's Nightshade	Rowland Wood
Epilobium angustifolium	Rosebay Willowherb	widespread
Epilobium hirsutum	Great Willowherb	widespread
Epilobium tetragonum	Square-stalked Willowherb	South Downs
Orobanchaceae (Broomrape	family)	
Euphrasia nemorosa agg.	Eyebright	Seaford Head, South Downs
Odontites vernus	Red Bartsia	Seaford Head, South Downs

SCIENTIFIC NAME	ENGLISH NAME	Notes
Rhinanthus minor	Yellow Rattle	South Downs
Papaveraceae (Poppy famil	y)	
Glaucium flavum	Yellow Horned Poppy	Cuckmere Haven, Shoreham
		Beach
Papaver rhoeas	Common Poppy	South Downs
Plantaginaceae (Plantain fa	mily)	
Digitalis purpurea	Foxglove	widespread
Kickxia elatine	Sharp-leaved Fluellen	Knepp Wildland
Linaria purpurea	Purple Toadflax	Shoreham Beach
Linaria vulgaris	Common Toadflax	South Downs
Plantago coronopus	Bucks-horn Plantain	Seaford Head
Plantago lanceolata	Ribwort Plantain	South Downs
Plantago maritima	Sea Plantain	Cuckmere Haven
Veronica arvensis	Wall Speedwell	South Downs
Veronica chamaedrys	Germander Speedwell	Seaford Head
Veronica serpyllifolia	Thyme-leaved Speedwell	Ashdown Forest
Plumbaginaceae (Sea Laver	nder family)	
Armeria maritima	Thrift	Seaford Head, Shoreham Beac
Limonium vulgare	Common Sea Lavender	Cuckmere Haven
Polygalaceae (Milkwort fan	nily)	
Polygala serpyllifolia	Heath Milkwort	Ashdown Forest
Polygala vulgaris	Common Milkwort	Seaford Head, South Downs
Polygonaceae (Dock family		
Persicaria amphibia	Amphibious Bistort	Knepp Wildland
Persicaria hydropiper	Water Pepper	Knepp Wildland
Polygonum aviculare	Common Knotgrass	Ashdown Forest
Rumex acetosa	Common Sorrel	South Downs
Rumex acetosella	Sheep's Sorrel	Ashdown Forest
Primulaceae (Primrose fam	ily)	
Lysimachia arvensis	Scarlet Pimpernel	widespread
Lysimachia nemorum	Yellow Pimpernel	Rowland Wood
Lysimachia vulgaris	Yellow Loosestrife	Knepp Wildland
Ranunculaceae (Buttercup	• •	
Clematis vitalba	Wild Clematis	South Downs
Resedaceae (Mignonette fa	amily)	
Reseda lutea	Wild Mignonette	South Downs
Reseda luteola	Weld	Seaford Head, South Downs
Rosaceae (Rose family)		
Agrimonia eupatoria	Agrimony	widespread
Crataegus monogyna	Common Hawthorn	widespread
Filipendula vulgaris	Dropwort	Seaford Head, South Downs
Fragaria vesca	Wild Strawberry	Friston Forest

SCIENTIFIC NAME	ENGLISH NAME	Notes
Potentilla anserina	Silverweed	widespread
Potentilla erecta	Tormentil	Park Corner Heath, Ashdow
		Forest
Potentilla reptans	Creeping Cinquefoil	widespread
Prunus spinosa	Blackthorn	widespread
Rosa canina agg.	Dog Rose	widespread
Rosa pimpinellifolia	Burnet Rose	Lullington Heath
Sanguisorba minor	Salad Burnet	Seaford Head, South Downs
Rubiaceae (Madder family)		
Asperula cynanchica	Squinancywort	Seaford Head, South Downs
Galium mollugo	Hedge Bedstraw	Seaford Head, South Downs
Galium saxatile	Heath Bedstraw	Ashdown Forest
Galium verum	Lady's Bedstraw	Seaford Head, South Downs
Scrophulariaceae (Figwort far	mily)	
Scrophularia aquatica	Water Figwort	Friston Forest
Scrophularia nodosa	Common Figwort	Park Corner Heath
Solanaceae (Nightshade fami	ly)	
Atropa belladonna	Deadly Nightshade	Seaford Head
Solanum dulcamara	Bittersweet	Seaford Head
Urticaceae (Nettle family)		
Parietaria judaica	Pellitory of the Wall	Cuckmere Haven
Urtica dioica	Stinging Nettle	widespread
Verbenaceae (Vervain family)		
Verbena officinalis	Vervain	Friston Forest
Viburnaceae (Viburnum famil	у)	
Viburnum lantana	Wayfaring Tree	Seaford Head
Violaceae (Violet family)		
Viola hirta	Hairy Violet	Seaford Head
ANGIOSPERMS: MONOCOTYL	LEDONS	
Cyperaceae (Sedge family)		
Carex remota	Remote Sedge	Rowland Wood
Eriophorum angustifolium	Common Cotton-grass	Ashdown Forest
Schoenoplectus palustris	Common Clubrush	Knepp Wildland
Dioscoreaceae (Yam family)		
Tamus communis	Black Bryony	widespread
Iridaceae (Iris Family)		
Iris foetidissima	Stinking Iris	Seaford Head
Iris pseudacorus	Yellow Iris	Knepp Wildland
Orchidaceae (Orchid Family)		
Anacamptis pyramidalis	Pyramidal Orchid	Seaford Head, South Downs
Dactylorhiza maculata	Heath Spotted Orchid	Ashdown Forest

SCIENTIFIC NAME	ENGLISH NAME	Notes
Poaceae (Grass Family)		
Anthoxanthum odoratum	Sweet Vernal Grass	Seaford Head, South Downs
Arrhenatherum elatius	False Oat-grass	widespread
Brachypodium pinnatum	Tor Grass	Seaford Head, South Downs
Brachypodium sylvaticum	False Brome	Friston Forest
Briza media	Quaking Grass	Lullington Heath
Bromus hordeaceus	Soft Brome	widespread
Bromus ramosus	Hairy-brome	Friston Forest
Bromus sterilis	Sterile Brome	Widespread
Cynosurus cristatus	Crested Dog's-tail	Widespread
Dactylis glomerata	Cock's-foot	Widespread
Deschampsia flexuosa	Wavy Hair-grass	Ashdown Forest
Elytrigia atherica	Sea Couch	Cuckmere Haven
Holcus lanatus	Yorkshire Fog	Widespread
Hordeum murinum	Wall Barley	Widespread
Hordeum secalinum	Meadow Barley	Widespread
Phleum bertolonii	Smaller Cat's-tail	Widespread
Phragmites australis	Common Reed	Knepp Wildland
Molinia caerulea	Purple Moor-grass	Park Corner Heath, Ashdow
		Forest
Potamogetonaceae (Pondwe	ed family)	
Potamogeton polygonifolius	Bog Pondweed	Ashdown Forest
Nartheciaceae (Bog Asphode	l family)	
Narthecium ossifragum	Bog Asphodel	Ashdown Forest
Typhaceae (Cat-tail family)		
Typha latifolia	Bulrush	Rowland Wood, Knepp
		Wildland

			_			
ENGLISH NAME	SCIENTIFIC NAME	1	2	3	4	5
Family Anatidae (Swans, gee	se and ducks)					
Mute Swan	Cygnus olor					•
Mallard	Anas platyrhynchos		•			•
Tufted Duck	Aythya fuligula					•
Family Phasianidae (Pheasan	ts and Partridges)					
Pheasant	Phasianus colchicus			Н	Н	•
Family Podicipedidae (Grebe	s)					
Little Grebe	Tachybaptus ruficollis		•			
Great Crested Grebe	Podiceps cristatus					•

ENGLISH NAME	SCIENTIFIC NAME	1	2	3	4	5
Family Procellaridae (Shearwate	ers and Petrels)					
Fulmar	Fulmarus glacialis		•			
Family Phalacrocoracidae (Corm	orants)					
Cormorant	Phalacrocorax carbo		<b>*</b>			
Family Ardeidae (Herons)						
Little Egret	Egretta garzetta		•			
Grey Heron	Ardea cinerea		•			
Family Ciconiidae (Storks)						
White Stork	Ciconia ciconia					<b>*</b>
Family Accipitridae (Hawks and	Eagles)					
Red Kite	Milvus milvus					<b>*</b>
Common Buzzard	Buteo buteo		•	•	•	<b>♦</b>
Family Falconidae (Falcons)						
Kestrel	Falco tinnunculus		•	•		<b>*</b>
Family Rallidae (Rails)						
Moorhen	Gallinula chloropus					•
Coot	Fulica atra					•
Family Haematopidae (Oysterca	tchers)					
Oystercatcher	Haematopus ostralegus		•			•
Family Laridae (Gulls)						
Black-headed Gull	Chroicocephalus ridibundus		<b>*</b>			
Kittiwake	Rissa tridactyla		•			
Herring Gull	Larus argentatus		<b>*</b>	•		<b>*</b>
Family Columbidae (Pigeons and	Doves)					
Rock Dove/Feral Pigeon	Columba livia		•			•
Stock Dove	Columa oenas				•	•
Woodpigeon	Columba palumbus		•	•	•	•
Collared Dove	Streptopelia decaocto		•	<b>*</b>		<b>*</b>
Family Apodidae (Swifts)						
Swift	Apus apus			<b>*</b>	<b>*</b>	
Family Picidae (Woodpeckers)						
Green Woodpecker	Picus viridis		Н		<u> </u>	Н
Great Spotted Woodpecker	Dendrocopos major				<b>*</b>	<b>*</b>
Family Alaudidae (Larks)						
Skylark	Alauda arvensis		<u> </u>	•	•	
Wood Lark	Lullula arborea				Н	
Family Hirundinidae (Swallows a						
Swallow	Hirundo rustica		<u> </u>	•	<u> </u>	•
House Martin	Delichon urbica					•
Family Motacillidae (Pipits and \						
Meadow Pipit	Anthus pratensis		•		<u> </u>	

ENGLISH NAME	SCIENTIFIC NAME	1	2	3	4	5
Rock Pipit	Anthus petrosus		•			
Pied Wagtail	Motacilla alba yarrellii			<b>*</b>		•
Family Troglodytidae (Wren	s)					
Wren	Troglodytes troglodytes		Н		•	•
Family Prunellidae (Accento	rs)					
Dunnock	Prunella modularis		•	•		<b>*</b>
Family Muscicapidae (Flycat	chers and Chats)					
Robin	Erithacus rubecula		Н		•	•
Stonechat	Saxicola torquata				•	
Redstart	Phoenicurus phoenicurus				<b>*</b>	
Family Turdidae (Thrushes)						
Song Thrush	Turdus philomelos		•		•	<b>*</b>
Mistle Thrush	Turdus viscivorus			<b>•</b>		
Blackbird	Turdus merula		<b>•</b>	<b>*</b>	<b>*</b>	<b>*</b>
Family Sylviidae (Sylvia Wark	olers)					
Garden Warbler	Sylvia borin					<b>*</b>
Blackcap	Sylvia atricapilla		Н	•	<b>♦</b>	<b>♦</b>
Whitethroat	Sylvia communis		•	<b>*</b>	<b>*</b>	<b>*</b>
Lesser Whitethroat	Sylvia curruca					Н
Dartford Warbler	Sylvia undata				•	
Family Acrocephalidae (Reed	d Warblers)					
Reed Warbler	Acrocephalus scirpaceus					Н
Family Cettidae (Bush Warb	lers)					
Cetti's Warbler	Cettia cetti		Н			
Family Phylloscopidae (Leaf	Warblers)					
Chiffchaff	Phylloscopus collybita		<b>*</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>
Family Regulidae (Crests)						
Goldcrest	Regulus regulus			<b>♦</b>	Н	<b>♦</b>
Family Paridae (Tits)					1	
Coal Tit	Periparus ater				•	
Blue Tit	Cyanistes caeruleus			<b>♦</b>		<b>♦</b>
Family Aegithalidae (Long-ta	niled Tits)				1	
Long-tailed Tit	Aegithalos caudatus					Н
Family Certhiidae (Treecree	pers)					
Treecreeper	Certhia familiaris				<b>*</b>	Н
Family Corvidae (Crows)						
Magpie	Pica pica		•	•		•
Jay	Garrulus glandarius					<b>*</b>
Jackdaw	Corvus monedula		•	•	•	•
Rook	Corvus frugilegus		•			
Carrion Crow	Corvus corone			I 🔺		•

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ENGLISH NAME	SCIENTIFIC NAME	1	2	3	4	5	6
Family Sturnidae (Starlings)							
Starling	Sturnus vulgaris			•		<b>*</b>	
Family Passeridae (Sparrows)							
House Sparrow	Passer domesticus		•	•		<b>*</b>	
Family Fringillidae (Finches)							
Chaffinch	Fringilla coelebs				•		
Goldfinch	Carduelis carduelis		•	•	•	<b>*</b>	
innet	Carduelis cannabina		•	•	•	<b>*</b>	
Siskin	Carduelis spinus				•		
Greenfinch	Carduelis chloris		•			•	
Bullfinch	Pyrrhula pyrrhula					<b>*</b>	
Family Emberizidae (Buntings)							
Reed Bunting	Emberiza schoeniclus		•				
Yellowhammer	Emberiza citronella			•			

## MAMMALS

ENGLISH NAME	SCIENTIFIC NAME	1	2	3	4	5	6
Carnivores							
Stoat	Mustela erminea		•				
Red Fox	Vulpes vulpes					<b>*</b>	
Lagomorphs							
Rabbit	Oryctolagus cuniculus		•			<b>*</b>	
Rodents							
Grey Squirrel	Sciurus carolinensis					•	
Ungulates							
Roe Deer	Capreolus capreolus			<b>*</b>			
Fallow Deer	Dama dama				<b>*</b>	<b>*</b>	

## REPTILES

FNCUCULNANAF	COLENITIFIC NAME	1	2	2		_	_
ENGLISH NAME	SCIENTIFIC NAME	1	2	3	4	5	Ь
Slow-worm	Anguis fragilis		<b>•</b>			<b>*</b>	
Common Wall Lizard	Podarcis muralis					•	
Common Lizard	Zootoca vivipara				•		

## INVERTEBRATES

ENGLISH NAME	SCIENTIFIC NAME	1	2	3	4	5
COLEOPTERA (beetles)		-	_		•	
Green Tiger Beetle	Cicindela campestris				<b>♦</b>	
Swollen-thighed Beetle	Oedemera nobilis		•	<b>*</b>		
Spotted Longhorn	Rutpela maculata			<b>*</b>		
Bloody-nosed Beetle	Timarcha tenebricosa			<b>♦</b>		
DIPTERA (flies)						
Four-lined Horsefly	Atylotus rusticus		<b>♦</b>			
Two-banded Spearhorn	Chrysotoxum bicinctum			<b>•</b>		
Marmalade Hoverfly	Episyrphus balteatus			<b>•</b>		<b>♦</b>
Bumblebee Hoverfly	Volucella bombylans			<b>•</b>		
Orange-belted Leaf Licker	Xylota segnis		•			
HYMENOPTERA (ants, bees, saw						
Red-banded Sand Wasp	Ammophila sabulosa					
Green-eyed Flower Bee	Anthophora bimaculata		•	<b>•</b>		
Brown-banded Carder Bee	Bombus humilis			<b>•</b>		
Red-tailed Bumblebee	Bombus Iapidarius		•			
Common Carder Bee	Bombus pascuorum		•			<b>♦</b>
Red-banded Sand Wasp	Ammophila sabulosa				<b>*</b>	
Hornet	Vespa crabro		•			<b>♦</b>
LEPIDOPTERA (butterflies) Family Pieridae (Whites)						
Large White	Pieris brassicae		<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>
Small White	Pieris rapae		•		<b>*</b>	<b>*</b>
Family Lycaenidae (Blues, Coppe	•					
White-letter Hairstreak	Satyrium w-album					<b>♦</b>
Purple Hairstreak	Favonius quercus					<b>*</b>
Small Copper	Lycaena phlaeas			<b>*</b>		
Brown Argus	Aricia agestis			•		
Silver-studded Blue	Plebejus argus				•	
Family Nymphalidae (Nymphs, F	, ,					
Red Admiral	Vanessa atalanta		<b>*</b>	<b>*</b>	<b>*</b>	<b>♦</b>
Painted Lady	Vanessa cardui			•		
Peacock Butterfly	Aglais io			•		<b>*</b>
Comma	Polygonia c-album			•		<b>*</b>
Purple Emperor	Apatura iris				•	•
White Admiral	Limenitis camilla			<b>*</b>		<b>*</b>
Dark Green Fritillary	Argynnis aglaja		•	•		
Silver-washed Fritillary	Argynnis paphia			•		
Speckled Wood	Parage aegeria					<b>*</b>
Small Heath	Coenonympha pamphilus		•	•	•	

ENGLISH NAME	SCIENTIFIC NAME	1	2	3	4	5
Meadow Brown	Maniola jurtina		•	•	•	•
Ringlet	Aphantopus hyperantus		•	•	•	<b>♦</b>
Gatekeeper	Pyronia tithonus		•	•		•
Marbled White	Melanargia alathea		•	•		<b>♦</b>
Family Nymphalidae (Nymphs, F	ritillaries and Browns)					
Large Skipper	Ochlodes sylvanus		•	•	•	
Essex Skipper	Thymelicus sylvestris		<b>*</b>			
Small Skipper	Thymelicus sylvestris		•	<b>♦</b>	<b>♦</b>	<b>♦</b>
LEPIDOPTERA (moths)						
Cinnabar	Tyria jacobaea		•	<b>♦</b>		
Six-spot Burnet	Zygaena filipendulae			•		
Silver Y	Autographa gamma			•		
Emperor Moth	Saturnia pavonia			•		
Drinker Moth	Euthrix potatoria			•		
Clay Triple-lines	Cyclophor linearia			•		
Horse Chestnut Leaf-miner	Cameraria ohridella				•	
Brown Silver-line	Petrophora chlorosata				•	
MECOPTERA (scorpionflies)						
Scorpion Fly	Panorpa communis			<b>*</b>		
ODONATA (dragonflies and dam	selflies)					
Family Calopterygidae (Demoise	lles)					
Banded Demoiselle	Calopteryx splendens					•
Beautiful Demoiselle	Calopteryx virgo		•			•
Family Coenagrionidae (Pond Da	amselflies)					
Large Red Damselfly	Pyrrhosoma nymphula				•	•
Azure Damselfly	Coenagrion puella		<b>*</b>		•	•
Blue-tailed Damselfly	Ischnura elegans					•
Family Platycnemididae (White-	legged Damselflies)					
White-legged Damselfly	Platycnemis pennipes				•	
Family Aeshnidae (Hawkers)						
Southern Hawker	Aeshna cyanea				•	
Emperor	Anax imperator			•	<b>♦</b>	•
Family Libellulidae (Chasers)						
Black-tailed Skimmer	Orthetrum cancellatum					•
Common Darter	Sympetrum striolatum			•		•
ORTHOPTERA - crickets and gras	shopper					
Meadow Grasshopper	Chorthippus parallelus			•		
Long-winged Conehead	Conocephalus fuscus		<b>*</b>			
Roesel's Bush-cricket	Metrioptera roeseli		<b>*</b>	<b>•</b>		
Dark Bush-cricket	Pholidoptera griseoaptera			•		

## thank you for travelling with us

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