

Southern Portugal

Wildlife at Leisure

Led by Hugo Sampaio & Alice Hunter

19th – 26th March 2025

19th March

Having gathered the main group at the airport in Faro, we set out for our hotel near Alte. The weather was windy and overcast but rain held off and so after settling in and having a brief introduction, we headed out for a walk before dinner.



Immediately in the garden we spotted our first orchids of the trip, a wonderful group of *Ophrys bombyliflora* and a couple of *Serapias lingua*, which we then found a whole lot more of in another section of the lawn. Iberian Green Frogs were calling and one or two of the group got a fleeting glimpse of them before they dived for cover in the small pond.

Heading out of a back gate and along the lane from the hotel we were immediately struck by the wealth of spring wildflowers to be seen. Common species and those ubiquitous in the mediterranean such as *Glebionis coronarium*, *Bituminaria bituminosa* and *Salvia verbenaca* were noted along with a few less frequently seen and more localised like *Carduncellus caeruleus*, *Centaurea pullata* and *Aristolochia baetica*.

Hugo uncovered a locally endemic Maria's Worm Lizard, *Blanus mariaae*, not far from where we turned on to the track and the group was able to get a good look at this extraordinary reptile which looks, as its name suggests, remarkably like a large Earthworm.

Returning carefully along the road, we found some more orchids too with specimens of *Ophrys fusca*, *Ophrys speculum* and *Ophrys lutea* growing in the verges.

We returned to the hotel with time to warm up, relax and change before dinner. Hugo did not join us, but instead returned to Faro to collect the final two members of our party arriving on a later flight.

20th March

The day dawned bright and sunny despite the high winds and heavy rain overnight. We gathered for breakfast and then headed out for our first full day optimistic at the prospect of what lay in wait for us.

Our destination was Castelo de Paderne, situated on a hilltop commanding a view over a river valley below. The track on the way up to the castle had already looked promising with orchids of several species sighted from the buses so on parking we knew there would be plenty to find and we were not disappointed. The species we had found on the roadside the evening before were numerous and joined by more *Ophrys bombyliflora*. *Orchis italica* was in profusion among stands of pink *Cistus albidus*, purple stands of *Phlomis purpurea* grew along the side of the track and among the *Lavandula stoechas* and *Ulex europaeus* there were yet more plants to be found including *Ophrys*

scolopax and *Muscari neglectum*. Paul was particularly sharp-eyed in spotting the first of several Black-eyed Blues on the Lavender too.

We walked back down the track we had driven up a short way to investigate some of the orchids seen from the vehicles to find *Ophrys omegaifera* ssp. *dyris*, *Ophrys speculum* ssp. *lusitanica* and a pair of *Cephalathera longifolia* in perfect condition.

Back by the vehicles, Hugo pointed out a dark form of *Orchis italica* growing near a lovely *Paeonia broteroi* and nearby, Keith found several *Orchis anthropophora*. A Blue Rock Thrush was admired on the top of the castle walls and Paul saw Spanish Festoon and Western Dappled White butterflies below.

We had a brief snack before driving down into the valley below and parking up once more. We took our lunches with us for a walk along the river where the vegetation was a little different. The river itself was high and fast flowing after the recent rain but the path was thankfully not affected.

The first section of the path yielded some pale *Allium roseum* specimens along with some lovely fresh *Ophrys fusca* and then opened out to a small picnic area where most of us ate our lunches with Swallows and House Martins hawking for insects overhead.



Having eaten we marvelled from below at two *Scilla peruviana* in full bloom high on the bank above us in a precarious position and opted not to attempt to reach them. Instead, we



took the onward path for several hundred metres to find more delights including *Tulipa sylvestris*, *Anemone palmata*, *Hyacinthoides hispanica* and, at last, more *Scilla peruviana* beside the path at a more accessible height!

On our way back to the vehicles we took a different path which was slightly damper in places but were rewarded with a single *Narcissus papyraceus* still in flower and smelling delicious for those who got down to sniff it. In the time we had been away, the *Moraea sisyrinchium* had all opened too and provided a lovely sight on our return.

Our return to the buses was well timed just as the first shower arrived but there were a couple of extra bonuses for the birders among the group with a singing male Blue Rock Thrush on one of the pedestals of the bridge we were parked beneath, a Zitting Cisticola “zitting” from the field beyond and a beautiful male Woodchat Shrike spotted by Keith while looking for the Cisticola.

Having enjoyed a good day, the weather was now on the turn and we headed for a coffee shop in Paderne for some refreshment and cake before making the return journey to the hotel in what had by now developed into a full blown thunderstorm. We had timed our outing to perfection and retired a happy bunch to enjoy a relaxed evening.

21st March

Unfortunately this morning we woke to rain and wind as forecast. With this unlikely to change we opted to head out to some local sites rather than venture further afield so that should we need to return to the hotel, we could do so easily.

After breakfast, we drove the short distance to the start of the Rocha da Pena trail. This led us through a small village where *Cymbalaria muralis* was noted flowering in the wall and up a track bordered by typical matos shrubbery including several species of *Cistus* - *C. albidus*, *C. monspelliensis* and *C. salviifolius*, along with *Rosmarinus officinalis*, *Rhamnus alaternus*, *Juniperus phoenicea* and others. Amongst these, we found lots of evidence of Wild Boar and some interesting plants - some of which the Boar had not dug up!

The best of these were *Orchis anthropophora*, *Ophrys scolopax*, *Ophrys sphegodes* ssp. *lusitanica*, *Ophrys lutea* and *Epipactis tremolsii*. Hugo also found a spike of *Limodorum abortivum* although sadly, the flowers were not open yet.



On the way back to the hotel for lunch, we made a roadside stop as Alice had spotted what she thought were some *Narcissus bulbocodium* on the way. Her suspicions were confirmed and the group was treated to a large patch of these beautiful Petticoat Daffodils in a brief moment of sunshine along with *Anacamptis morio* and a hybrid between the Man and Naked Man Orchid, *Orchis x bivonae*. Serin was singing nearby and the weather was seeming to pick up... until the next cloud rolled in.



We headed back to the hotel for lunch and some dry clothes for some. In the

afternoon, we headed out again with much more promising weather to the Fonte Benémola, spotting Crested Larks from the vehicles on the way. Once there we took another walk, this time along a more sheltered valley and in more pleasant conditions.

We had views of several species we had found the day before such as *Cephalanthera longifolia*, *Hyacinthoides hispanica* and *Anemone palmata*, but also added some new ones to our list such as *Coronilla juncea*, *Rumex intermedius* and, at the end, *Ophrys tenthredinifera*, spotted by Gael on the side of the road. There were some other great bird sightings too including Bonelli's Eagle, Lesser Spotted Woodpecker, and Crag Martin. Iberian Green Woodpecker and Cetti's Warbler were among those heard calling while Serins seemed to be displaying all round us as we walked.

We took a different route back and enjoyed another delicious meal after our checklist in the evening, deciding that the day had not been as much of a wash out as we had worried it might be after all.

22nd March

Thankfully today dawned brighter and we set out after breakfast in hope that the weather would continue for the rest of the day. We made a brief stop in Alte on our way while Hugo ran an errand and the rest of the group found a local donkey called Baltazar, botanised along the verges and bird-watched in a small square for a few minutes to while away the time.

We were soon moving on and drove down towards the coast at Quinta do Lago where the sun was shining and the temperature on arrival read a balmy 16°C in the car park. We took a few minutes for some birding right there having heard a Wryneck calling and soon located a Black-headed Weaver and Keith noticed three Iberian Magpies in a tree above us too.

Having gathered what we would need for the day we set out and within feet were stopped again by our first view over the tidal lagoon. The wind here brought the temperature back down and we put a

layer or two back on as we watched a Spoonbill feeding. There were a variety of other waders and Red-rumped Swallows zipped overhead along with House Martins as we turned to walk over the bridge towards the dunes and beach beyond. This would offer better views of the birds and some of the coastal flora.

We hadn't got very far when some impressive and pristine spikes of *Cistanche phelypaea* were noticed beneath us. A number of waders were then picked up through a variety of lenses and scopes including Dunlin and Ringed Plover but just as we were settling in to our strides a torrential downpour caught us off guard! We hurried on to the shelter of a cafe on the far side of the bridge which provided relief and it soon passed, proving to be the only substantial rain of the day, with only a couple of light showers thereafter.



Making certain that the weather wasn't going to turn on us again, we headed out to the dunes and found some of the typical coastal plants of the area including *Paronychia argentea*, *Medicago marina*, *Malcolmia littorea* and the leaves of *Calystegia soldanella* and *Pancratium maritimum* before retracing our steps. On our way back over the bridge we had better luck with the weather and were able to enjoy the birds and plants more. We noted Turnstones, Kentish Plover, Grey Plover, Little Stint and Whimbrel among others plus spotting *Aetheorhiza bulbosa* in flower which we had previously missed.



Following the boardwalk along the coast we then joined a sandy path bordered by pines where *Cistus ladanifer* and *Asparagus albus* grew. A number of new plants for the trip were noted but the highlight was surely the hundreds if not thousands of *Acis tricophylla*. The lagoon here seemed initially to have little of interest but we soon found Audouin's Gull, Purple Gallinule and Little Bittern on it proving that with patience you may see more than you initially think possible.



Walking on, we found two species of Lupin growing side by side, *L. micranthus* and *L. luteus*, and beyond this a Spanish Festoon butterfly took to the wing in the sun. A hardy party decided to push on to try to see Flamingos and were rewarded by not only the birds they sought, but also an Osprey with a fish, while the rest of the group turned for home.

On our way back to Alte we collected Hugo's colleague, Lara, who would be joining us for 24 hours. We looked forward to getting to know her better over dinner.

23rd March

This morning was bright and sunny and the haze from the previous days had gone so that from breakfast we could see the sea from our elevated position. We were in good spirits and set out northwards for a day on the plains of Alentejo near the town of Castro Verde in search of the elusive Great Bustard.

Our first stop was at a conservation centre which afforded good views over the surrounding countryside. On the way down the track to reach it we counted numerous Corn Buntings and Stonechats plus a few Red-legged Partridge. We picked up a pair of Lesser Kestrel on arrival and a large flock of Glossy Ibis in flight. There was masses of *Erodium moschatum* growing here like a carpet. We managed to identify Calandra Lark on the way back up the track to the road too.

Moving on, we visited a derelict farm where a White Stork had built a nest on the roof of a small tower that still stood. There were Collared Doves and House Sparrows round the building too and we watched a pair of Montagu's Harriers over the hillside for some time. Steve found a Painted Lady taking shelter from the wind in the building complex and we noted *Anthemis arvensis* and *Carduus tenuiflorus* flowering.

Driving on, we made a brief impromptu stop for a Spanish Imperial Eagle next to the road. Our next stop was also a little unplanned since, with all the recent rainfall, a river had come over the bridge we were meant to cross. There was a small lake here though created by a weir and we stopped to look at the birds on it which included Great Crested Grebe, Shoveler and Spoonbill. There was also a Water Crowfoot flowering in the shallows.



Following the riverbank downstream a short way there were a few plants to note including *Onobrychis humilis* and *Nonea versicaria*, and we found some wonderful newts; Iberian Ribbed Newt and Southern Marbled Newt, beneath streamside stones that were carefully turned and replaced. Sheila also found a juvenile Iberian False Smooth Snake which posed obligingly for photos.

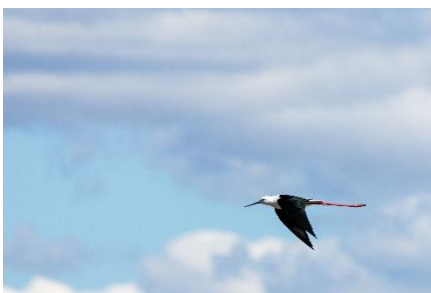


From here we took the decision to head back to the village we had just passed for lunch where there were picnic tables. This proved an excellent decision because as we were eating we had fantastic views of a Booted Eagle which sailed low overhead and moments later, Keith and Paul found a Black Redstart.

Having eaten, we headed back to Castro Verde with the idea of getting a coffee while Hugo refuelled his van. Unfortunately the coffee shops were all closed but we amused ourselves watching a Large White butterfly battle the wind and following a couple of chattering Iberian Magpies in the hopes of some photographs.

Continuing on without our coffee, we were at last rewarded with fleeting views of Great Bustard. Paul spotted the first and we turned around to try and get better views as they disappeared into a gully. Heading out onto the road from the track we were on, we were rewarded by much clearer views of a different bird on the other side of the road, and from there on we saw several more.

Although time was pushing on now, we opted for one last hurrah; finding Sandgrouse down another track just a few minutes further ahead. The effort was worth it, although the views were distant and fleeting - a flock of around a dozen flew past, looking similar to Golden Plover in breeding plumage in flight.



We headed back to Alte pleased that the weather had held out for us, with only a brief shower while we were driving back and a steady wind to contend with most of the day. There was one last delight in store for Alice's bus, a pair of Black-winged Kites just below Alte and close to the road giving excellent views, especially when Gael spotted that one of them had perched in a tree.

Lara had been with us all day and had proven invaluable at helping spot some of the elusive birds we had been looking for but it was now time for her to get a train back to Lisbon. We were sad to see her go after such a short period with us but grateful for her time.

24th March



Today we set out in sunshine after breakfast and headed uphill to take in a different site on our way to the coast. We stopped at a roadside site first where we found a good number of *Anacamptis morio* and a particularly sought after species, *Dipcadi serotinum*. On looking around more though there was plenty more to note including *Ophrys bombyliflorum*, *Ophrys speculum* ssp. *lusitanica*, *Tuberaria major* and *Bellardia trixago* in its white and pink form. There was also another Ribbed Newt and a large centipede, *Scolopendra cingulata* and Steve saw a Black-eyed Blue butterfly.



Our next stop was at the Salgados coastal lagoon where *Bellis annua*, *Linum bienne* and *Cotula coronopifolia* were growing in abundance among shrubby *Retama monosperma*. We walked round to get a better view of the birds on the lagoon where highlights included Caspian Tern, Black-winged Stilt and Avocet.

Further round there were Iberian Marsh Frogs calling and flowers on the way to a small blind area included *Anagallis monelli*, *Rumex bucephalophorus* and *Trillium resupinatum*. Watching the water from here, several Marsh Harriers were seen along with Purple Heron and Glossy Ibis, the latter giving particularly good views.

Walking back we found the locally endemic *Linaria algarviana* and observed a small flock of Swallows resting briefly in a Fig tree before climbing into the vehicle and retracing our route into the nearest town to find a cafe. We enjoyed a coffee, cake or ice cream for some before heading up towards Monchique where we found a woodland edge spot to enjoy our packed lunches.

There was some excitement when Hugo found a juvenile Fire Salamander and many of the group got good photo opportunities. There was birdsong all around us here, some familiar species like Chaffinch, others less so like Iberian Green Woodpecker and Iberian Chiffchaff which has quite a different song. Having eaten, we walked down the road a short way noting some of the plant life here. Among the highlights were *Erica scoparia*, *Euphorbia characias*, *Oenanthe crocata* and *Scilla monophyllos*.



With time marching on, we continued on up the mountain to our final stop near the summit where we got out to search for *Neotinea maculata* and other flowers. We only found the leaves of the orchid but we did succeed in finding more of the *Scilla monophyllos* along with *Romulea bulbocodium*, as well as both *Tuberaria lignosa* and *Paeonia broteroi* in bud. Blue Rock Thrush, Rock Bunting and Linnet were all seen up here too.

It was soon time to turn for home and the return journey took us on a slightly different route which made it more interesting. We had some good views on the way and passed a field that was yellow with *Lupinus luteus* in flower.

25th March

Another sunny morning and we headed out for our longest drive of the holiday towards the southwestern most tip of Portugal. Our first stop was for conveniences on the edge of Vila do Bispo

but even here there were things to spot, the most noticeable being butterflies on the wing more than one at a time for the first time all week and Paul added Red Admiral to our list along with Large White for the day.



Moving on we passed several impressive specimens of *Scilla peruviana* as we took a dirt track turning. We slowed a number of times to look for birds and eventually found some Thekla Larks and a Little Owl. A little further on, we stopped at a spot which looked more promising botanically and found some lovely species including *Halimium calycinum*, *Armeria pungens* and *Serapias parviflora*. Keith also found *Gennaria diphylla* in a nice little colony and we noted a few singing birds such as Iberian Chiffchaff.

Our next stop was near the Cape of St Vincent where we found some more interesting plants. Here the locally endemic *Cistus palhinhae* grew in the place of the similar *Cistus ladanifer* that we had been seeing elsewhere. There was an attractive pink *Antirrhinum majus* ssp. *cirrigherum*, and a locally endemic brassica, *Biscutella vicentina* as well as *Allium subvillosum* and *Cerinth gymnantra*. We had lunch here and took advantage of the cafe on site for additional pastries and ice creams, enjoying them in the sun and watching the odd Red-billed Chough fly over along with White Wagtails in the car park.

From here we called in to the lighthouse on the cape itself, albeit briefly, and were treated to a few different plants including *Pallenis maritima* and *Daucus halophilus* as well as some good views of a Blue Rock Thrush and a Shag on the cliff face below.

Our final stops of the day were near the village of Budens, where we found the first of the two to be full of species we had noted earlier in the week in terms of flowers but sadly lacking in the Narcissi we sought there. Hugo did however find a large ground beetle in the genus *Scarites* and an Iberian Scorpion.

At the very last stop, we came across a small brick building full of Moorish Geckos and Paul also found an Iberian Three-toed Skink nearby. There was a last-hurrah in plant terms too with a final addition to the orchid list in the form of a Pyramidal Orchid with its flower bud just about to burst. Other flowers noted here included *Rosa pouzinii* and *Cachrys sicula*.

We were treated to a wonderful sunset as we made our list in the evening and enjoyed each other's company as a full group one final time over dinner, knowing that we would start to head our separate ways in the morning.

26th March

We were treated to full sunshine on our final morning. Keith and Janet had an early departure and Hugo took them to the airport while the rest of the group had breakfast. Jamie would be travelling to Lisbon and on north by train and so on his return from the airport Hugo offered to drive him to Lisbon rather than take the train for the first part of the journey as well. This left the rest of the group to return to the airport together with Alice since they were all needing to be there around the same time, everyone being on the same flight with the exception of Paul whose flight was only slightly earlier.

We set out in leisurely fashion, intending to make a stop on the way for a last hurrah of wildlife on the way. We stopped at some salt pans near the airport where we were able to keep an eye on the van and our luggage while milling around looking at the coastal flora including dozens of spikes of



Cistanche phelpypaea and enjoy the birdlife including a handful of Greater Flamingos for those who hadn't made the trek at Quinta do Lago. The majority of other species were ones we had seen before but with time on our hands we were able to enjoy them to their fullest and we also added Iberian Yellow Wagtail to the list with a couple perching nicely for us atop the low vegetation.

It was soon time to head round to the airport and say our farewells to Paul. The rest of the group gathered in the departures area while Alice returned the bus and then went through to board

their flight home together. We had experienced a week of variable weather but despite this we had enjoyed some wonderful wildflowers, a great variety of birdlife and some fabulous company.



Systematic List Number 1 Birds

1	Little Grebe	<i>Tachybaptus ruficollis</i>				x	x	x		
2	Great Crested Grebe	<i>Podiceps cristatus</i>				x				
3	Gannet	<i>Morus bassanus</i>				x			x	
4	Cormorant	<i>Phalacrocorax carbo</i>				x				x
5	Shag	<i>Phalacrocorax aristotelis</i>							x	
6	Little Bittern	<i>Ixobrychus minutus</i>				x				
7	Cattle Egret	<i>Bubulcus ibis</i>		x			x	x	x	
8	Little Egret	<i>Egretta garzetta</i>				x	x	x	x	x
9	Grey Heron	<i>Ardea cinerea</i>				x		x		
10	Purple Heron	<i>Ardea purpurea</i>						x		
11	White Stork	<i>Ciconia ciconia</i>	x	x	x	x	x	x	x	
12	Glossy Ibis	<i>Plegadis falcinellus</i>					x	x		
13	Spoonbill	<i>Platalea leucorodia</i>				x	x	x		
14	Greater Flamingo	<i>Phoenicopterus ruber</i>				x				x
15	Egyptian Goose	<i>Alopochen aegyptiaca</i>				x				
16	Shelduck	<i>Tadorna tadorna</i>				x				x
17	Gadwall	<i>Anas strepera</i>				x		x		x
18	Teal	<i>Anas crecca</i>				x		x		
19	Mallard	<i>Anas platyrhynchos</i>				x	x	x	x	x
20	Shoveler	<i>Anas clypeata</i>					x	x		
21	Red-crested Pochard	<i>Netta rufina</i>				x		x		
22	Pochard	<i>Aythya ferina</i>				x		x		
23	Black Kite	<i>Milvus migrans</i>					x			
24	Marsh Harrier	<i>Circus aeruginosus</i>				x		x		
25	Montagu's Harrier	<i>Circus pygargus</i>					x			
26	Black-winged Kite	<i>Elanus caeruleus</i>					x			
27	Common Buzzard	<i>Buteo buteo</i>					x	x		
28	Spanish Imperial Eagle	<i>Aquila adalberti</i>					x			
29	Booted Eagle	<i>Hieraaetus pennatus</i>					x			
30	Bonelli's Eagle	<i>Hieraaetus fasciatus</i>			x					
31	Osprey	<i>Pandion haliaetus</i>				x				
32	Lesser Kestrel	<i>Falco naumanni</i>					x			
33	Common Kestrel	<i>Falco tinnunculus</i>			x	x	x		x	
34	Red-legged Partridge	<i>Alectoris rufa</i>		x			x	x		
35	Quail	<i>Coturnix coturnix</i>					x			
36	Moorhen	<i>Gallinula chloropus</i>				x		x		
37	Purple Gallinule	<i>Porphyrio porphyrio</i>				x		x		
38	Coot	<i>Fulica atra</i>				x	x	x		
39	Great Bustard	<i>Otis tarda</i>					x			
40	Black-winged Stilt	<i>Himantopus himantopus</i>				x		x		x

41	Avocet	<i>Recurvirostra avosetta</i>				X		X		X
42	Ringed Plover	<i>Charadrius hiaticula</i>				X				X
43	Kentish Plover	<i>Charadrius alexandrinus</i>				X				
44	Grey Plover	<i>Pluvialis squatarola</i>				X				
45	Sanderling	<i>Calidris alba</i>				X		X		X
46	Little Stint	<i>Calidris minuta</i>				X				
47	Dunlin	<i>Calidris alpina</i>				X		X		X
48	Whimbrel	<i>Numenius phaeopus</i>				X				X
49	Common Redshank	<i>Tringa totanus</i>				X				X
50	Greenshank	<i>Tringa nebularia</i>								X
51	Green Sandpiper	<i>Tringa ochropus</i>				X				
52	Common Sandpiper	<i>Actitis hypoleucos</i>				X				
53	Turnstone	<i>Arenaria interpres</i>				X				
54	Black-headed Gull	<i>Larus ridibundus</i>						X		
55	Audouin's Gull	<i>Ichthyaeetus audouinii</i>				X				
56	Lesser Black-backed Gull	<i>Larus fuscus</i>				X			X	
57	Yellow-legged Gull	<i>Larus michaellis</i>			X	X		X	X	X
58	Caspian Tern	<i>Sterna caspia</i>						X		X
59	Black-bellied Sandgrouse	<i>Pterocles orientalis</i>					X			
60	Woodpigeon	<i>Columba palumbus</i>		X	X	X	X	X		
61	Collared Dove	<i>Streptopelia decaocto</i>	X	X	X	X	X	X	X	
62	Little Owl	<i>Athene noctua</i>							X	
63	Common Swift	<i>Apus apus</i>			X		X			
64	Hoopoe	<i>Upupa epops</i>				X	X		X	
65	Wryneck	<i>Jynx torquilla</i>				X				
66	Iberian Green Woodpecker	<i>Picus sharpei</i>			X			X		
67	Great Spotted Woodpecker	<i>Dendrocopos major</i>						X		
68	Lesser spotted woodpecker	<i>Dryobates minor</i>			X			X		
69	Calandra Lark	<i>Melanocorypha calandra</i>					X			
70	Crested Lark	<i>Galerida cristata</i>		X	X		X	X		X
71	Thekla Lark	<i>Galerida theklae</i>							X	
72	Skylark	<i>Alauda arvensis</i>							X	
73	Crag Martin	<i>Ptyonopragne rupestris</i>		X	X	X		X		
74	Swallow	<i>Hirundo rustica</i>		X		X	X	X	X	X
75	Red-rumped Swallow	<i>Hirundo daurica</i>		X	X	X	X		X	X
76	House Martin	<i>Delichon urbica</i>		X	X	X	X	X	X	X
77	Meadow Pipit	<i>Anthus pratensis</i>					X			

78	Grey-headed Wagtail	<i>Motacilla flava thunbergii</i>								X
79	Grey Wagtail	<i>Motacilla cinerea</i>			X					
80	White Wagtail	<i>Motacilla alba</i>		X	X			X	X	
81	Wren	<i>Troglodytes troglodytes</i>			X			X	X	
82	Dunnock	<i>Prunella modularis</i>						X		
83	Robin	<i>Erithacus rubecula</i>			X			X	X	
84	Nightingale	<i>Luscinia megarhynchos</i>			X					
85	Black Redstart	<i>Phoenicurus ochuros</i>					X		X	
86	Stonechat	<i>Saxicola torquata</i>		X			X	X	X	X
87	Blue Rock Thrush	<i>Monticola solitarius</i>		X				X	X	
88	Blackbird	<i>Turdus merula</i>	X	X	X	X	X	X	X	
89	Cetti's Warbler	<i>Cettia cetti</i>			X	X		X		
90	Fan-tailed Warbler	<i>Cisticola juncidis</i>		X	X	X	X	X	X	X
91	Reed Warbler	<i>Acrocephalus scirpaceus</i>						X		
92	Sardinian Warbler	<i>Sylvia melanocephala</i>		X	X	X	X	X	X	X
93	Blackcap	<i>Sylvia atricapilla</i>			X					
94	Chiffchaff	<i>Phylloscopus collybita</i>				X				
95	Iberian chiffchaff	<i>Phylloscopus ibericus</i>			X			X	X	
96	Firecrest	<i>Regulus ignicapillus</i>						X		
97	Long-tailed Tit	<i>Aegithalos caudatus</i>		X	X			X		
98	Crested Tit	<i>Parus cristatus</i>						X		
99	Blue Tit	<i>Parus caeruleus</i>		X	X	X		X		
100	Great Tit	<i>Parus major</i>		X	X	X		X	X	
101	Nuthatch	<i>Sitta europaea</i>			X			X		
102	Short-toed Treecreeper	<i>Certhia brachydactyla</i>						X		
103	Iberian Grey Shrike	<i>Lanius meridionalis</i>				X	X			
104	Woodchat Shrike	<i>Lanius senator</i>		X					X	
105	Jay	<i>Garrulus glandarius</i>			X			X		
106	Iberian Magpie	<i>Cyanopica cooki</i>	X	X	X	X	X	X	X	X
107	Magpie	<i>Pica pica</i>					X	X		X
108	Chough	<i>Pyrrhocorax pyrrhocorax</i>							X	
109	Jackdaw	<i>Corvus monedula</i>					X			
110	Carrion Crow	<i>Corvus corone</i>					X			
111	Raven	<i>Corvus corax</i>					X			
112	Spotless Starling	<i>Sturnus unicolor</i>	X				X	X	X	
113	House Sparrow	<i>Passer domesticus</i>	X	X	X	X	X	X	X	X
114	Chaffinch	<i>Fringilla coelebs</i>			X			X		
115	Serin	<i>Serinus serinus</i>		X	X	X	X	X	X	
116	Greenfinch	<i>Carduelis chloris</i>		X	X	X	X	X	X	
117	Goldfinch	<i>Carduelis carduelis</i>		X	X		X		X	
118	Linnet	<i>Carduelis cannabina</i>						X		X
119	Rock Bunting	<i>Emberiza cia</i>						X		

120	Corn Bunting	<i>Miliaria calandra</i>		x			x		x	
121	Black-headed Weaver	<i>Ploceus melanocephalus</i>				x				
122	Common Waxbill	<i>Estrilda astrild</i>						x		
123										
124										
125										
126										
127										
128										

Systematic List Number 2 Butterflies

	<i>Papilionidae</i>															
1	Spanish Festoon	<i>Zerynthia rumina</i>		x		x		x								

	<i>Pieridae</i>															
2	Large White	<i>Pieris brassicae</i>		x			x	x	x							
3	Green-veined White	<i>Artogeia napi</i>							x							
4	Western Dappled White	<i>Euchloe crameri</i>		x												
5	Clouded Yellow	<i>Colias crocea</i>				x			x							

	<i>Lycaenidae</i>															
6	Green Hairstreak	<i>Callophrys rubi</i>							x							
7	Small Copper	<i>Lycaena phlaeas</i>							x							
8	Black-eyed Blue	<i>Glaucopsyche melanops</i>		x				x								

	<i>Nymphalidae</i>															
9	Red Admiral	<i>Vanessa atalanta</i>							x							
10	Painted Lady	<i>Cynthia cardui</i>						x	x							

	<i>Satyridae</i>															
11	Speckled Wood	<i>Pararge aegeria</i>						x								

Systematic List Number 3 Flowers

<i>Cupressaceae</i>								
<i>Juniperus phoenicea</i>		✓	✓				✓	
<i>Pinaceae</i>								
<i>Pinus pinaster</i>			✓	✓		✓	✓	✓
<i>Pinus pinea</i>		✓	✓	✓	✓	✓	✓	✓
<i>Pteridaceae</i>								
<i>Asplenium ceterach</i>	✓		✓					
<i>Cystopteris fragilis</i>						✓		
<i>Dryopteris filix-mas</i>	✓	✓						
<i>Polypodium vulgare</i>						✓		
<i>Pteridium aquilinum</i>						✓		
<i>Acanthaceae</i>								
<i>Acanthus mollis</i>		✓	✓					
<i>Aizoaceae</i>								
<i>Carpobrotus edulis</i>				✓		✓	✓	✓
<i>Anacardiaceae</i>								
<i>Pistacia lentiscus</i>	✓	✓	✓	✓		✓	✓	✓
<i>Apiaceae</i>								
<i>Cachrys sicula</i>							✓	

<i>Crithmum maritimum</i>							✓	
<i>Ferula communis</i>			✓				✓	
<i>Foeniculum vulgare</i>		✓				✓		
<i>Smyrniolum olusatrum</i>		✓	✓				✓	
<i>Daucus carota</i>	✓						✓	
<i>Daucus halophilus</i>							✓	
<i>Oenanthe crocata</i>						✓		
<i>Thapsia transtagana</i>		✓						
<i>Thapsia villosa</i>		✓	✓	✓		✓		
<i>Apocynaceae</i>								
<i>Vinca difformis</i>		✓	✓			✓	✓	
<i>Aristolochiaceae</i>								
<i>Aristolochia baetica</i>	✓	✓	✓					
<i>Asteraceae</i>								
<i>Aetheorhiza bulbosa</i>				✓				
<i>Anthemis arvensis</i>					✓			
<i>Arctotheca calendula</i>								✓
<i>Asteriscus maritimus</i>							✓	
<i>Bellis annua</i>		✓		✓		✓	✓	✓
<i>Calendula arvensis</i>		✓	✓	✓	✓		✓	
<i>Calendula suffruticosa</i>					✓		✓	
<i>Carduncellus caeruleus</i>	✓							
<i>Carduus tenuiflorus</i>					✓		✓	
<i>Centaurea pullata</i>	✓	✓		✓				
<i>Centaurea sphaerocephala ssp. lusitanica</i>							✓	

<i>Glebionis coronarium</i>	✓	✓				✓	✓	✓
<i>Glebionis segetum</i>		✓	✓	✓	✓			
<i>Cotula coronopifolia</i>						✓		
<i>Dittrichia graveolens</i>	✓							
<i>Galactites tomentosa</i>	✓			✓		✓		✓
<i>Pallenis spinosa</i>	✓							
<i>Senecio gallicus</i>				✓				
<i>Senecio vulgaris</i>	✓	✓	✓	✓	✓	✓	✓	✓
<i>Sonchus oleraceus</i>	✓	✓	✓	✓	✓	✓	✓	✓
<i>Boraginaceae</i>								
<i>Anchusa azurea</i>	✓						✓	
<i>Borago officinalis</i>	✓	✓	✓				✓	
<i>Cerinthe gymnandra</i>							✓	
<i>Cynoglossum clandestinum</i>		✓						
<i>Cynoglossum creticum</i>		✓					✓	
<i>Echium plantagineum</i>				✓	✓	✓	✓	✓
<i>Glandora diffusa</i>		✓	✓			✓	✓	
<i>Nonea versicaria</i>					✓			
<i>Brassicaceae</i>								
<i>Biscutella vicentina</i>							✓	
<i>Cakile maritima</i>								✓
<i>Lobularia maritima</i>							✓	
<i>Malcolmia littorea</i>				✓			✓	
<i>Marcus-kochia triloba</i>				✓				
<i>Raphanus raphanistrum</i>						✓	✓	✓

	<i>Cactaceae</i>								
	<i>Opuntia ficus-indica</i>				✓	✓	✓	✓	
	<i>Campanulaceae</i>								
	<i>Campanula lusitanica</i>				✓				
	<i>Caprifoliaceae</i>								
	<i>Lonicera implexa</i>			✓					
	<i>Viburnum tinus</i>	✓		✓	✓		✓		
	<i>Caryophyllaceae</i>								
	<i>Paronychia argentea</i>				✓	✓	✓	✓	
	<i>Silene colorata</i>	✓		✓	✓	✓	✓	✓	✓
	<i>Silene gallica</i>	✓						✓	✓
	<i>Silene latifolia</i>						✓	✓	
	<i>Silene vulgaris</i>	✓							
	<i>Stellaria media</i>						✓		
	<i>Chenopodiaceae</i>								
	<i>Atriplex halimus</i>				✓			✓	
	<i>Atriplex portulacoides</i>				✓				✓
	<i>Beta vulgaris</i>							✓	
	<i>Salicornia europaea</i>				✓				✓
	<i>Cistaceae</i>								
	<i>Cistus albidus</i>		✓	✓				✓	
	<i>Cistus ladanifer</i>				✓	✓	✓	✓	
	<i>Cistus palhinhae</i>							✓	

	<i>Cistus monspeliensis</i>		✓	✓					
	<i>Cistus salviifolius</i>	✓	✓	✓	✓		✓	✓	
	<i>Fumana thymifolia</i>		✓						
	<i>Halimium calycinum</i>							✓	
	<i>Tuberaria lignosa</i>						✓		
	<i>Tuberaria major</i>						✓		
	<i>Convolvulaceae</i>								
	<i>Calystegia soldanella</i>				✓				
	<i>Convolvulus althaeoides</i>	✓						✓	
	<i>Crassulaceae</i>								
	<i>Sedum sediforme</i>	✓	✓	✓	✓			✓	
	<i>Umbilicus rupestris</i>	✓		✓					
	<i>Ericaceae</i>								
	<i>Arbutus unedo</i>		✓	✓			✓	✓	
	<i>Erica arborea</i>			✓					
	<i>Erica australis</i>						✓		
	<i>Erica scoparia</i>						✓		
	<i>Euphorbiaceae</i>								
	<i>Euphorbia characias</i>						✓		
	<i>Euphorbia helioscopia</i>	✓	✓	✓			✓	✓	
	<i>Mercurialis annua</i>	✓	✓	✓			✓		
	<i>Fabaceae</i>								
	<i>Anthyllis vulneraria</i>			✓					

<i>Astragalus boeticus</i>				✓				
<i>Bituminaria bituminosa</i>	✓	✓	✓			✓		
<i>Ceratonia siliqua</i>	✓	✓	✓					
<i>Cercis siliquastrum</i>				✓		✓		
<i>Coronilla juncea</i>			✓					
<i>Coronilla glauca</i>		✓					✓	
<i>Erophaca boetica</i>			✓				✓	
<i>Genista hirsuta</i>			✓	✓				
<i>Lathyrus ochrus</i>	✓			✓				
<i>Lathyrus clymenum</i>	✓		✓					
<i>Lathyrus cicera</i>	✓		✓				✓	
<i>Lotus creticus</i>							✓	
<i>Lupinus albus</i>								✓
<i>Lupinus luteus</i>				✓		✓		
<i>Lupinus micranthus</i>				✓				
<i>Retama monosperma</i>				✓		✓		
<i>Medicago marina</i>				✓				
<i>Onobrychis humilis</i>					✓			
<i>Ononis pubescens</i>	✓							
<i>Stauracanthus genistoides</i>							✓	
<i>Trifolium resupinatum</i>				✓		✓		
<i>Trifolium stellatum</i>	✓						✓	
<i>Tripodion tetraphyllum</i>		✓	✓					
<i>Ulex argentatus</i> ssp. <i>erinaceus</i>		✓						
<i>Ulex europaeus</i>		✓				✓		
<i>Vicia sativa</i>	✓		✓	✓				
<i>Fagaceae</i>								
<i>Quercus coccifera</i>	✓	✓	✓					

	<i>Quercus ilex</i>			✓					
	<i>Quercus suber</i>			✓			✓		
	<i>Gentianaceae</i>								
	<i>Centaureum erythraea</i>		✓	✓					
	<i>Geraniaceae</i>								
	<i>Erodium cicutarium</i>		✓		✓	✓			
	<i>Erodium malacoides</i>		✓						✓
	<i>Erodium moschatum</i>		✓		✓	✓	✓		✓
	<i>Geranium dissectum</i>								✓
	<i>Geranium molle</i>		✓	✓	✓	✓	✓		
	<i>Geranium purpureum</i>		✓	✓	✓			✓	
	<i>Geranium robertianum</i>						✓	✓	
	<i>Lamiaceae</i>								
	<i>Lavandula stoechas</i>	✓	✓	✓	✓	✓	✓	✓	
	<i>Mentha suaveolens</i>						✓		
	<i>Phlomis purpurea</i>		✓	✓					
	<i>Prasium majus</i>	✓	✓	✓					
	<i>Rosmarinus officinalis</i>		✓	✓				✓	
	<i>Salvia verbenaca</i>	✓	✓	✓					
	<i>Stachys arvensis</i>				✓	✓			
	<i>Thymus capitatus</i>							✓	
	<i>Linaceae</i>								
	<i>Linum bienne</i>	✓		✓	✓		✓	✓	

<i>Malvaceae</i>								
<i>Malva sylvestris</i>				✓			✓	✓
<i>Moraceae</i>								
<i>Ficus carica</i>		✓	✓			✓	✓	✓
<i>Oleaceae</i>								
<i>Olea europaea</i>	✓	✓	✓			✓		
<i>Phillyrea angustifolia</i>		✓	✓				✓	
<i>Orobanchaceae</i>								
<i>Bellardia trixago</i>						✓		
<i>Cistanche phelypaea</i>				✓				✓
<i>Orobanche foetida</i>							✓	
<i>Oxalidaceae</i>								
<i>Oxalis pes-caprae</i>	✓	✓	✓	✓	✓	✓	✓	✓
<i>Paeoniaceae</i>								
<i>Paeonia broteroi</i>		✓	✓			✓		
<i>Papaveraceae</i>								
<i>Fumaria capreolata</i>	✓		✓			✓		
<i>Papaver rhoeas</i>	✓	✓	✓				✓	
<i>Plantaginaceae</i>								
<i>Antirrhinum majus ssp. cirrhigerum</i>							✓	

	<i>Cymbalaria muralis</i>			✓					
	<i>Linaria algarviana</i>						✓	✓	
	<i>Linaria spartea</i>				✓				
	<i>Misopates orontium</i>				✓		✓		
	<i>Plantago coronopus</i>				✓		✓	✓	✓
	<i>Plantago serraria</i>						✓	✓	
	<i>Plumbaginaceae</i>								
	<i>Armeria pungens</i>							✓	
	<i>Limoniastrum monopetalum</i>				✓				✓
	<i>Polygonaceae</i>								
	<i>Emex spinosa</i>						✓		
	<i>Rumex bucephalophorus</i>						✓	✓	✓
	<i>Rumex intermedius</i>			✓				✓	
	<i>Primulaceae</i>								
	<i>Anagallis arvensis</i>		✓		✓		✓	✓	✓
	<i>Anagallis monelli</i>						✓	✓	
	<i>Ranunculaceae</i>								
	<i>Anemone palmata</i>		✓	✓					
	<i>Ranunculus aquatilis</i>					✓			
	<i>Ranunculus ficaria</i>		✓						
	<i>Resedaceae</i>								
	<i>Reseda lutea</i>							✓	

	<i>Rhamnaceae</i>								
	<i>Rhamnus alaternus</i>			✓	✓			✓	
	<i>Rosaceae</i>								
	<i>Rosa pouzinii</i>							✓	
	<i>Sanguisorba minor</i>		✓	✓		✓			
	<i>Rubiaceae</i>								
	<i>Galium aparine</i>						✓		
	<i>Rubia peregrina</i>	✓		✓			✓		
	<i>Sherardia arvensis</i>	✓	✓	✓	✓	✓	✓	✓	
	<i>Rutaceae</i>								
	<i>Ruta angustifolia</i>		✓	✓					
	<i>Santalaceae</i>								
	<i>Osyris alba</i>		✓						
	<i>Osyris lanceolata</i>		✓					✓	
	<i>Scrophulariaceae</i>								
	<i>Scrophularia canina</i>	✓							
	<i>Verbascum sinuatum</i>					✓		✓	
	<i>Solanaceae</i>								
	<i>Solanum nigrum</i>						✓		
	<i>Tamaricaceae</i>								
	<i>Tamarix africana</i>				✓		✓	✓	

	<i>Thymelaeaceae</i>								
	<i>Daphne gnidium</i>			✓			✓	✓	
	<i>Urticaceae</i>								
	<i>Parietaria judaica</i>			✓					
	<i>Urtica membranacea</i>			✓			✓	✓	
	<i>Valerianaceae</i>								
	<i>Centranthus calcitrapae</i>	✓	✓	✓	✓			✓	
	<i>Fedia cornucopiae</i>	✓	✓	✓				✓	
	<i>Agavaceae</i>								
	<i>Agave americana</i>			✓	✓	✓	✓	✓	
	<i>Amaryllidaceae</i>								
	<i>Acis tricophylla</i>				✓				
	<i>Narcissus bulbocodium</i>			✓					
	<i>Narcissus papyraceus</i>		✓						
	<i>Pancratium maritimum</i>				✓				
	<i>Dioscoreaceae</i>								
	<i>Dioscorea communis</i>		✓				✓		
	<i>Amaryllidaceae</i>								
	<i>Allium roseum</i>		✓						
	<i>Allium subvillosum</i>							✓	

	<i>Araceae</i>								
	<i>Arisarum vulgare</i>		✓				✓	✓	
	<i>Arum italicum</i>		✓				✓	✓	
	<i>Asparagaceae</i>								
	<i>Asparagus albus</i>				✓				
	<i>Dipcadi serotinum</i>						✓	✓	
	<i>Hyacinthoides hispanica</i>		✓	✓					
	<i>Muscari neglectum</i>		✓				✓	✓	
	<i>Muscari comosum</i>		✓		✓		✓	✓	
	<i>Ornithogalum baeticum</i>		✓	✓					
	<i>Ruscus aculeatus</i>			✓			✓		
	<i>Scilla monophyllos</i>						✓	✓	
	<i>Scilla peruviana</i>		✓					✓	
	<i>Drimea maritima</i>			✓				✓	
	<i>Asphodelaceae</i>								
	<i>Asphodelus aestivus</i>	✓			✓		✓	✓	
	<i>Asphodelus ramosus</i>		✓	✓			✓	✓	
	<i>Iridaceae</i>								
	<i>Gladiolus italicus</i>		✓	✓			✓	✓	
	<i>Moraea sisyrnchium</i>		✓	✓		✓	✓	✓	
	<i>Iris albicans</i>		✓	✓			✓		
	<i>Romulea bulbocodium</i>						✓		
	<i>Liliaceae</i>								
	<i>Tulipa sylvestris</i>		✓	✓					

	<i>Orchidaceae</i>								
	<i>Anacamptis pyramidalis</i>							✓	
	<i>Cephalanthera longifolia</i>		✓	✓					
	<i>Epipactis tremolsii</i>			✓					
	<i>Limodorum abortivum</i>			✓					
	<i>Neotinea maculata</i>						✓		
	<i>Gennaria diphylla</i>							✓	
	<i>Ophrys bombyliflora</i>	✓					✓	✓	
	<i>Ophrys speculum</i>	✓	✓	✓	✓			✓	
	<i>Ophrys speculum</i> ssp. <i>lusitanica</i>		✓	✓			✓	✓	
	<i>Ophrys scolopax</i>		✓	✓					
	<i>Ophrys tenthredinifera</i>			✓					
	<i>Ophrys fusca</i>	✓	✓	✓					
	<i>Ophrys omegaifera</i> ssp. <i>dyris</i>		✓						
	<i>Ophrys lutea</i>	✓	✓	✓				✓	
	<i>Orchis anthropophora</i>		✓	✓					
	<i>Anacamptis morio</i>			✓			✓		
	<i>Orchis italica</i>		✓	✓	✓			✓	
	<i>Orchis x bivonae</i>			✓					
	<i>Serapias lingua</i>	✓							
	<i>Serapias parviflora</i>							✓	
	<i>Poaceae</i>								
	<i>Arundo donax</i>		✓	✓			✓	✓	
	<i>Phragmites australis</i>				✓		✓		
	<i>Palmae</i>								

	<i>Chamaerops humilis</i>	✓	✓	✓	✓			✓	
	<i>Smilacaceae</i>								
	<i>Smilax aspera</i>	✓	✓	✓	✓			✓	