

# Wildlife Photography - in the Spanish Pyrenees

Naturetrek Tour Report

2 - 9 June 2013

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Report compiled by Sergio Padura and Richard Cash



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Participants:	Janice Collier Stephen Evans Jean Venning Linda Neal Gwen Stevens Tony Stevens Tony Piper Susan Piper John Butt Margaret Butt Helge Vindenes Michael Pickering Claire Foot	

## Introduction

This was a great week of learning photographic techniques for nature photography. The group was made up of people wanting to learn and improve their photo-techniques and everyone finished the week with plenty of useful knowledge, more confidence in using their cameras and the memory, and photos, of the outstanding fauna, flora and landscapes of the Spanish Pyrenees. Spring arrived very late so the flowers and butterflies were several weeks behind their usual stage for this time of year. Nevertheless we saw a great deal. Thanks to Janice for her botanical enthusiasm and big contribution to the plant list. Thanks, as always, to Pete and Mel at Casa Sarasa for being such fantastic hosts and providing great meals and hospitality in such lovely surroundings. Thanks to everyone in the group for their great humour and participation.

## Day 1

**Sunday 2nd June**

We arrived at Zaragoza Airport to be picked up and taken to Casa Sarasa in Berdún. Late to bed tonight and no photos!

## Day 2

**Monday 3rd June**

After breakfast Sergio gave a general outline of the course objectives and went on to explain how the camera works and the methods for controlling light with the aperture, exposure and ISO. We talked about how to overexpose and underexpose images according to our needs and how the light meter works and about the various camera programs.

We then did our first outing to the banks of the nearby River Aragon where we worked with varying depth of field by changing aperture. We studied hyperfocal distance and then, on the river studied the way we can use

different shutter speeds to get different effects when shooting water. As usual the group then dispersed to try these techniques for themselves. Along the river we saw Red Kites, Woodchat Shrike, Montagu's Harrier, Short-toed Eagle, a beautiful pair of Hoopoes, Grey Heron, Golden Oriole and many Bee eaters which nest in the sandy ground along the river. Among the flowers seen were: Lesser Butterfly, Military and Bee Orchids. There were many Common and Chalkhill Blue butterflies. Frogs could be heard calling from the boggy areas. On the way back we couldn't resist stopping to photograph Berdun village which looked great with a foreground of barley fields dotted with bright red poppies and a background of the snowy high peaks of the Pyrenees.

We returned to Casa Sarasa for a great buffet lunch and then set out for the Foz de Binies Gorge just up the road from Berdún. The spectacular gorge offers beautiful changing light and contrasts. The main task here was controlling light and how to properly expose images. We saw Lammergeier, Egyptian Vultures and many Griffon Vultures soaring above the gorge cliffs and also saw Sardinian Warbler, Spotted Flycatcher, a Marsh Harrier and many Crag and House Martins. Highlight plants in this wonderful habitat were the Pyrenean endemics - Petrocoptis, dramatic Pyrenean Saxifrage flowering in long white spikes, Pyrenean Hyacinth and Ramonda myconi –unique to the shady limestone cliffs of the Pyrenees. Once back at Casa Sarasa, Sergio went over and reviewed everyone's photos. A good dinner rounded off a great first day.

## Day 3

Tuesday 4th June

In the morning Steven took an early stroll and spotted a Little Owl on a barn near the village, as well as Greenfinch, Black Redstart, Linnets and a Nightingale – which at the moment sings all night in the garden here...

Today after Sergio's class about lenses, camera programmes and histograms we set out for Napazal in the high Aisa Valley. Again it was a beautiful sunny day with just a few high clouds. We went up on to the alpine pastures below the glacial cirque still covered in a thick mantle of snow where Sergio gave us some useful pointers on using polarising filters (essential on such a bright day) and lenses for landscape photography, and we spent a fantastic day in the valley.

Most of us followed the stream spotting many flowers typical of the high meadows in early spring. Primulas were emerging just as the snow melted, Cowslips Trumpet and Spring Gentians, Amplexicaule and Pyrenean Buttercups, Birds Eye Primula and Butterwort were in the boggy areas, and we found Rock Jasmine, Alpine Squill, Lesser Wild Daffodils, Pyrenean Toadflax and some Elderflower Orchids which showed signs of damage from a late snowfall a week or so earlier. A real highlight was seeing a large herd (25+) of Isard (Pyrenean Chamois) which had come down to a salt lick nearby. The herd of females and young gave us plenty of time to take photos, albeit at a distance. We saw Lammergeier, Griffons, Red-backed Shrike, Linnets, Northern Wheatear, Ravens and Coal Tits in the pines. It was great to be up so high and the flowers today were a real treat. The main challenge for photos was the brightness and high contrast, and Sergio helped many of us deal with this. We returned back, and again Sergio reviewed photos before another great dinner at Casa Sarasa.

## Day 4

Wednesday 5th June

Sergio's class this morning was all about white balance. Before leaving Berdun we had a stroll to see a spectacular Lizard Orchid coming into flower just next to the village. We also saw Man Orchids nearby as well

as beautiful flax and the bright yellow buttons of Santolina which the locals use for infusions. Stonechats perched above us on telegraph poles and we heard Tawny pipit, Cuckoo and Melodious Warbler. As we were about to leave we saw a Booted Eagle soaring overhead. We then left for the Aragües Valley and the high meadows at Lizara. The drive up the valley was spectacular with snow melt swelling the rivers, Black and Red Kites lining the telegraph poles in the lower Hecho Valley and the fields and forests vibrant with a thousand shades of green.

Once at Lizara (1400 metres) we enjoyed a wonderful morning photographing the amazing landscape dominated by the high peaks and towering cliffs. The alpine flowers were fabulous again and included more narcissi, Pyrenean Buttercup, Corydalis, Primula, Spanish/Pyrenean Speedwell and many Elderflower Orchids. We saw at least 4 different Lammergeier, Kestrel, Sparrowhawk, Linnets and Yellowhammer. A lone Isard posed beautifully for us on a high promontory. In the pines Coal and Crested Tits flitted quickly as they fed on the many insects. On the rocks wall lizards hunted making up for a late start to the season. We even saw a few butterflies – Ringlets, Orange Tips and Speckled Woods - which were so scarce this week due to the very cold spring which had only recently ended.

We had a great picnic sitting near the 5000 year old Neolithic dolmen/burial chamber as Lammergeier and Alpine and Red-billed Choughs soared overhead. On the way back down we spotted Lesser Butterfly Orchids and Lady Orchids and a Greater Spotted Woodpecker before stopping in Aragües for a welcome cold drink and a look around this pretty mountain village which made for some great photos...

## Day 5

## Thursday 6th June

After a technical lesson from Sergio on light conditions and lens choice, we set out north for the Hecho Valley. We had a quick stop in the lovely village of Hecho (Sergio's home village) and Sergio showed us around the local museum which has fascinating old photos of the local people and village as well as old tools and utensils and a ragged, stuffed Red Kite!

We could see many Griffon Vultures circling overhead so we drove up to the muladar - a vulture feeding station where they were due to give some dead animals for the vultures to eat. Once installed in or by the hide we didn't have to wait long before first, Red and Black Kites, Ravens and Egyptian Vultures circled and perched near the muladar. Then once the animals had been dumped the vultures swooped down to begin feeding. They always hold back until one of them (the hungriest) plucks up courage to take the plunge! In seconds however the animals were covered by literally hundreds of Griffons which made short work of today's offering. It's a gruesome spectacle! Towards the end of the feeding frenzy as we walked back to the buses we saw a huge dark bird – bigger than a Griffon and with huge wings square as planks. After a double take we realised it was a Black Vulture - the first seen in the valley for many years and absolutely spectacular! It seems that they have begun coming up to this area from further south in Spain to take advantage of the better eating opportunities around here. What a bird to complete our list of vultures! We heard Crossbills in the pines and saw many flowers including Rue leaved Isopyrum, Milkwort and Anemone.

After the vultures we drove up to the Gabardito refuge where we had a wonderful picnic lunch while spotting Citril Finch, Coal Tit and hearing a Black Woodpecker in the Beech forest. We then walked up to the cliffs to look for Wallcreeper. Unfortunately we didn't see any this time but we did see Alpine Swifts, Kestrel, Vultures

across the valley on their cliff-side nests, Lammergeier and many Crag and House Martins. We decided, reluctantly, to head back down to Berdun where Sergio went through the day's photos with the group. There were some fantastic vulture pictures and great scenery shots from our first day in the Hecho Valley!

## Day 6

Friday 7th June

Steven spotted a Dartford Warbler, Blackcap, Willow Warbler and heard Cetti's Warbler and Golden Oriole on his early morning walk this morning. Today Sergio gave us some pointers on composition before we returned again to the Hecho Valley which has so much to offer the nature photographer.

Our first stop was the Boca del Infierno Gorge which we walked along taking photos of the river raging with snow melt. Pyrenean Saxifrage and Amelanchier was in flower on the cliffs, and Butterwort grew on the wet rocks. Other cliff plants seen were Rock Soapwort, Fairy Foxglove, Globularia, Sedums and Conopodium. There were many vetches, bladder champions and yellow archangel. We then stopped at a grassy area to look for Green Lizards. After much searching we found some wonderful examples hiding, wonderfully camouflaged in the bushes. They are fantastic and impressive reptiles with beautiful markings – especially the males in breeding season with their bright blue jowls.

We continued along the river up to the Selva de Oza forest where we had lunch while watching some very obliging Citril Finches. In a forest clearing nearby was a wonderful patch of yellow Gentians and many parasitic Purple Toothworts growing on the damp forest floor. A search for Black Woodpecker wasn't successful but it was good to walk in the forest of Beeches and Silver firs and see ancient Stone Circles which were probably where Neolithic peoples camped/lived 5000 years ago.

Continuing up the valley into more open alpine pastures we saw many Elderflower and Early Purple Orchids, Pyrenean Violets, Purple Bittercress, Dragonsmouth – a Pyrenean endemic - and several saxifrages including Meadow, Scented-leaved, Spoon-leaved and the wonderful Paniculate Saxifrage. Birds were fairly discrete this afternoon but we saw Serins, Yellowhammer, Kestrels mobbing a Raven, Lammergeiers and Egyptian Vultures patrolling over the herds of cattle. High pitched squeaks alerted us to the Marmots which live here. Once we got our eyes in we spotted many of them. The light today was difficult, being bright but quite overcast so Sergio spent time helping people select the best settings and framings for landscape pictures.

## Day 7

Saturday 8th June

Unfortunately we woke up to heavy rain this morning so Sergio gave an extended lesson on composition in the library and answered many queries. We then decided to brave the rain and headed towards San Juan de La Peña – a rocky outcrop below the main ranges with forests, cliffs and a large variety of habitats. The rain let up for a while so we stopped for great views of the cloud covered high Pyrenees to the north and down onto vulture nests in the cliffs below us. There were some beautiful Welled Thistles, Pyrenean Thistles and Pyrenean Bellflowers, and Asphodels.

Once up on the top of the hill we saw Loose flowered Orchids, Woundworts and Spanish Dwarf Gorse, *Petrorhagia prolifera* and the tiny *Arenaria tetraquetra* with its beautiful structured leaves growing on the bare rocks along the cliff top. The rain let up enough for us to enjoy a picnic lunch (another great one thanks to Pete

and Mels cooking!) under shelter accompanied by the inevitable Chaffinches. We then returned to Berdun so people could relax and get ready for departure the following day. That evening we enjoyed a great farewell dinner at Casa Sarasa and particularly enjoyed the champagne kindly contributed by our hosts.

## Day 8

Sunday 9th June

Our last day... After a late-ish breakfast and relaxed morning to pack we set off towards Zaragoza, spending the day visiting some wonderful spots on the way. First we went to Riglos and sheltered from the dodgy weather in the Vulture Interpretation Centre overlooking the magnificent Riglos rock pinnacles. Many vultures, Egyptian Vultures, a Booted Eagle and Kestrel were seen.

From there we continued to Loarre Castle where some of us saw Black Wheatear as well as Crag Martins, Black Redstart, Stonechat and Red-billed Chough. After that it was time to say 'Hasta la Vista' to the wonderful Pyrenees and make the short drive to Zaragoza for the flight home. A great week!

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## Species List

### Plants

Scientific name	Common name	Location
<b>PINOPIIDA (GYMNOSPERMS)</b>		
<b>CONIFERS</b>		
<b>Cupressaceae</b>		
<i>Cupressus sempervirens</i>	Italian Cypress	Riglos
<i>Juniperus communis</i>	Common Juniper	All mountain and valley areas
<i>Juniperus phoenicea</i>	Phoenician Juniper	Riglos
<b>Pinaceae</b>		
<b>Pine Family</b>		
<i>Pinus halepensis</i>	Aleppo Pine	
<i>Pinus nigra</i>	Austrian Pine	Hecho/Aragues Valley
<i>Pinus sylvestris</i>	Scots Pine	All mountain and valley areas
<i>Pinus uncinata</i>	Mountain Pine	High Valleys
<b>MAGNOLIOPSIDA</b>		
<b>FLOWERING PLANTS</b>		
<b>Magnoliidae (Dicotyledons)</b>		
<b>Aceraceae</b>		
<b>Maple Family</b>		
<i>Acer campestre</i>	Field maple	Biniés, Hecho,
<i>Acer monspessulanum</i>	Montpelier maple	Biniés, Hecho
<i>Acer platanoides</i>		Throughout area
<b>Apiaceae</b>		
<b>Carrot Family</b>		
<i>Anthriscus sylvestris</i>	Cow Parsley	
<i>Conopodium pyreneicum</i>	Conopodium	Hecho/Aragues Valley
<i>Daucus carota</i>	Wild Carrot	
<i>Eryngium bourgatii</i>	Pyrenean Eryngo	Aragues
<i>Eryngium campestre</i>	Field Eryngo	Berdún
<i>Seseli libanoites</i>	-	Mid level valleys
<i>Selinum pyreneaeum</i>	Pyrenean Angelica	Aragues
<b>Araliaceae</b>		
<b>Ivy Family</b>		
<i>Hedera helix</i>	Ivy	
<b>Asteraceae</b>		
<b>Daisy Family</b>		
<i>Achillea millefolium</i>	Yarrow	Hecho Valley
<i>Artemisia herba-alba</i>	Pyrenean Wormwood	Aragues
<i>Bellis perennis</i>	Daisy	
<i>Carduus crispus</i>	Wetted Thistle	San Juan de La Peña
<i>Carduus nutans</i>	Musk Thistle	San Juan de La Peña
<i>Cichorium intybus</i>	Chicory	
<i>Helichrysum stoechas</i>	Curry Plant	Berdún
<i>Lactuca perennis</i>	Blue Lettuce	Hecho Valley
<i>Leuzia conifera</i>	Leuzia	Berdún
<i>Pallenis spinosa</i>	Pallenis	Berdún
<i>Pilosella officinarum</i>	Mouse-ear Hawkweed	Aragues
<i>Santolina chamaecyparissus</i>	Lavender Cotton	Berdún
<i>Silybum marianum</i>	Milk Thistle	Common
<i>Tussilago farfara</i>	Colt's-foot	Hecho Valley

Scientific name	Common name	Location
<i>Volutaria lippii</i>	-	
<b>Boraginaceae</b>	<b>Borage Family</b>	
<i>Borago officinalis</i>	Borage	Berdún
<i>Echium vulgare</i>	Viper's Bugloss	All valleys
<i>Lithospermum purpureocaeruleum</i>	Blue Gromwell	Aragues
<i>Myosotis alpestris</i>	Alpine Forget-me-not	Aisa
<b>Brassicaceae</b>	<b>Cabbage Family</b>	
<i>Cardamine heptaphylla</i>	Seven Leaflet Bittercress	Hecho Valley
<b>Buxaceae</b>	<b>Box Family</b>	
<i>Buxus sempervirens</i>	Box	
<b>Campanulaceae</b>	<b>Bellflower Family</b>	
<i>Jasione montana</i>	Mountain Sheepsbit	Aragues
<i>Phyteuma orbiculare</i>	Round-headed Rampion	Hecho Valley
<b>Caprifoliaceae</b>	<b>Honeysuckle Family</b>	
<i>Lonicera periclymenum</i>	Honeysuckle	Biniés
<i>Lonicera pyrenaica</i>	Pyrenean Honeysuckle	Oza
<i>Sambucus ebulus</i>	Dwarf Elder	Hecho Valley
<i>Sambucus nigra</i>	Elder	
<i>Viburnum lantana</i>	Wayfaring Tree	All valleys
<b>Cruciferae</b>		
<i>Sisymbrium tanacetifolia</i>	Tansy Leaved Rocket	
<i>Sisymbrium austriacum</i>	Austrian Rocket	Aisa
<b>Carophyllaceae</b>	<b>Pink Family</b>	
<i>Paronychia argentea</i>	Algerian tea	Berdún
<i>Paronychia capitata</i>	-	Hecho Valley
<i>Petrocoptis pyrenaica</i>	Petrocoptis	Biniés
<i>Petrorhagia prolifera</i>	Proliferous Pink	Martes/ San Juan de La Peña
<i>Saponaria oficinalis</i>	Soapwort	Hecho Valley
<i>Saponaria lutea</i>	Yellow Soapwort	
<i>Saponaria ocymoides</i>	Rock Soapwort	Biniés and San Juan de La Peña
<i>Silene vulgaris</i>	Bladder Champion	Biniés
<i>Silene acaulis</i>	Moss Champion	Aragues
<b>Cistaceae</b>	<b>Rockrose Family</b>	
<i>Fumana ericoides</i>	Fumana	San Juan de La Peña
<i>Helianthemum apenninum</i>	White Rockrose	Berdún
<i>Helianthemum nummularium</i>	Common Rockrose	San Juan de La Peña
<i>H.nummularium subsp. pyrenaicum</i>	Pink Rockrose	Biniés
<i>H. hirtum</i>		Berdún
<b>Convolvulaceae</b>	<b>Bindweed Family</b>	
<i>Convolvulus cantabrica</i>	Pink Bindweed	San Juan de La Peña
<i>Cuscuta europea</i>	Dodder	common & widespread
<b>Cornaceae</b>	<b>Dogwood Family</b>	
<i>Cornus sanguinea</i>	Common Dogwood	Martes

Scientific name	Common name	Location
<b>Crassulaceae</b>	<b>Stonecrop Family</b>	
<i>Jovibarba globifera</i>	Hen and chickens Houseleek	Hecho Valley
<i>Sedum acre</i>	Biting Stonecrop	Hecho Valley
<i>Sedum album</i>	White Stonecrop	Berdún
<i>Sedum dasyphyllum</i>	Thick-leaved Stonecrop	Hecho valley
<i>Umbelicus rupestris</i>	Navelwort	Hecho Valley
<b>Cucurbitaceae</b>	<b>Cucumber Family</b>	
<i>Bryonia dioica</i>	White Bryony	
<b>Dipsacaceae</b>	<b>Teasel Family</b>	
<i>Knautia dipsacifolia</i>	Wood Scabious	Hecho
<i>Scabiosa columbaria</i>		Hecho Valley
<b>Euphorbiaceae</b>	<b>Spurge Family</b>	
<i>Euphorbia characias</i> subsp. <i>characias</i>	Large Mediterranean Spurge	Biniés
<i>Euphorbia helioscopia</i>	Sun Spurge	San Juan de La Peña
<i>Euphorbia myrsinites</i>	-Blue spurge	San Juan de La Peña
<b>Fabaceae</b>	<b>Pea Family</b>	
<i>Anthyllis vulneraria</i> subsp. <i>pyrenaica</i>	Pink Kidney Vetch	Aisa Hecho
<i>Astragalus purpureus</i>	Purple Vetch	Hecho
<i>Astragalus sempervirens</i>	Mountain Tragacanth	Aisa
<i>Echinopartum horridum</i>	Echinopartum	All valleys
<i>Lathyrus aphaca</i>	Yellow Vetchling	Martes River
<i>Lathyrus latifolius</i>	Broad-leaved Everlasting Pea	Biniés
<i>Lathyrus pratensis</i>	Meadow Vetchling	Hecho
<i>Medicago sativa</i>	Lucerne	Cultivated
<i>Onobrychis pyreneica</i>	Pyrenean sanfoin	Hecho
<i>Onobrychis viciifolia</i>	Sainfoin	Cultivated
<i>Ononis fruticosa</i>	Shrubby Restharrow	Berdún
<i>Ononis natrix</i>	Large Yellow Restharrow	Martes River
<i>Tetragonolobus maritimus</i>	Dragon's Teeth	Hecho Valley
<i>Trifolium alpinum</i>	Alpine Clover	Aisa
<i>Trifolium montanum</i>	Mountain Clover	Hecho
<i>Vicia cracca</i>	Tufted Vetch	Biniés
<i>Lotus alpinus</i>	Alpine Birds Foot Trefoil	Hecho/Aragues Valley
<i>Vicia pyrenaica</i>	Pyrenean Vetch	Hecho
<i>Anthyllis vulneraria</i> subsp. <i>pyrenaica</i>	Kidney Vetch	Widespread
<i>Onobrychis supina</i>		Martes
<b>Fagaceae</b>	<b>Oak Family</b>	
<i>Castanea sativa</i>	Sweet Chestnut	
<i>Fagus sylvatica</i>	Beech	Hecho, Ansó, Aisa Valleys
<i>Quercus coccifera</i>	Kermes Oak	Riglos
<i>Quercus ilex</i>	Holm Oak	All valleys
<i>Quercus pyrenaica</i>	Pyrenean Oak	Hecho Valley
<i>Quercus petraea</i>	Sessile Oak	All valleys
<b>Fumariaceae</b>	<b>Fumitory Family</b>	
<i>Corydalis solidia</i>	Bird-in-a-Bush	Hecho/Aragues Valley

Scientific name	Common name	Location
<b>Gentianaceae</b>		
<i>Gentiana acaulis</i>	Trumpet Gentian	All alpine meadows
<i>Gentiana verna</i>	Spring Gentian	Hecho Valley
<b>Geraniaceae</b>		
<i>Geranium robertianum</i>	Herb Robert	Biniés
<i>Geranium sanguifolium</i>	Bloody Crane's-bill	Hecho Valley
<i>Geranium sylvaticum</i>	Wood Crane's-bill	Hecho
<i>Geranium nodosum</i>	Knotted cranesbill	Hecho
<i>Geranium pyrenaicum</i>		
<b>Malvaceae</b>		
<i>Malva Neglecta</i>	Dwarf Mallow	Hecho
<i>Malva Silvestris</i>	Common Mallow	Throughout
<i>Malva alcea</i>	Cut leaved Mallow	Aragues
<b>Gesneriaceae</b>		
<i>Ramonda myconii</i>	Ramonda	Biniés
<b>Globulariaceae</b>		
<i>Globularia cordifolia</i>	Matted Globularia	Aisa Valley
<i>Globularia nudicaulis</i>	Leafless-stemmed Globularia	
<i>Globularia repens</i>	-	Hecho Valley
<b>Hypericaceae</b>		
<i>Hypericum nummularium</i>	Western St John's-wort	Widespread
<i>Hypericum perforatum</i>	Perforate St John's-wort	Berdún
<b>Lamiaceae</b>		
<i>Ajuga pyramidalis</i>	Pyramidal Bugle	Hecho Valley
<i>Horminum pyrenaicum</i>	Dragonmouth	Hecho Valley
<i>Lavandula angustifolia</i>	Lavender	Biniés
<i>Origanum vulgare</i>	Marjoram	Near Berdún
<i>Phlomis herba-venti</i>	-	Berdún
<i>Phlomis lychnitis</i>	-	Berdún
<i>Rosmarinus officinalis</i>	Rosemary	Riglos
<i>Salvia pratensis</i>	Meadow Clary	Berdún
<i>Stachys recta</i>	Yellow Woundwort	
<i>Thymus pulegioides</i>	Large Thyme	Biniés
<i>Thymus vulgaris</i>	Perennial Thyme	All valleys
<b>Lentibulariaceae</b>		
<i>Pinguicula grandiflora</i>	Greater Butterwort	Hecho Valley
<i>Pinguicula vulgaris</i>	Common Butterwort	Hecho Valley
<b>Linaceae</b>		
<i>Linum narbonense</i>	Beautiful Flax	All over
<i>Linum perenne</i>	Perennial Flax	Widespread
<i>L. suffruticosum subsp. salsaloides</i>	Pyrenean Flax	San Juan de La Peña
<i>Linum viscosum</i>	Sticky Flax	San Juan de La Peña
<b>Loranthaceae</b>		
<i>Viscum album subsp austriacum</i>	Mistletoe	On Scots Pine

Scientific name	Common name	Location
<b>Moraceae</b> <i>Ficus sycomorus</i>	<b>Mulberry Family</b> Wild Fig	All over
<b>Oleaceae</b> <i>Fraxinus excelsior</i> <i>Olea europaea</i>	<b>Olive Family</b> Ash Olive	All valleys Riglos
<b>Orobanchaceae</b> <i>Lathraea clandestina</i> <i>Orobancha hederæ</i> <i>Orobancha alba</i>	<b>Broomrape Family</b> Purple Toothwort Ivy Broomrape Thyme Broomrape	Oza Biniés Riglos
<b>Papaveraceae</b> <i>Papaver rhoeas</i> <i>Chelidonium majus</i> <i>Meconopsis cambrica</i>	<b>Poppy Family</b> Field Poppy Greater Celandine Welsh Poppy	Throughout Hecho Valley Hecho Valley
<b>Plantaginaceae</b> <i>Plantago arenaria</i>	<b>Plantain Family</b> Branched Plantain	Hecho/Aragues Valley
<b>Polygalaceae</b> <i>Polygala nicaeensis</i> <i>Polygala vulgaris</i>	<b>Milkwort Family</b> Nice Milkwort Common Milkwort	Hecho Biniés
<b>Primulaceae</b> <i>Androsace chamaejasme</i> <i>Androsace carnea</i> <i>Androsace vitaliana</i> <i>Primula farinosa</i> <i>Primula veris</i> <i>Androsace villosa</i>	<b>Primrose Family</b> Ciliate Rock-jasmine Pink Rock-jasmine Vitaliana Bird's-eye Primrose Cowslip	Aisa Aisa Aisa Aisa, Hecho All high Valleys Aisa
<b>Ranunculaceae</b> <i>Anemone narcissifolia</i> <i>Aquilegia vulgaris</i> <i>Caltha palustris</i> <i>Helleborus foetidus</i> <i>Helleborus viridis</i> <i>Hepatica nobilis</i> <i>Ranunculus amplexicaulis</i> <i>Ranunculus pyrenaicus</i>	<b>Buttercup Family</b> Narcissus-flowered Anemone Common Columbine Marsh Marigold Stinking Hellebore Green Hellebore Hepatica Amplexicaule Buttercup Pyrenean Buttercup	Hecho Hecho Biniés Hecho Valley Hecho Valley Aragues Biniés Aisa Aragues
<b>Rhamnaceae</b> <i>Frangulus alnus</i> <i>Rhamnus alaternus</i>	<b>Buckthorn Family</b> Alder Buckthorn Mediterranean Buckthorn	Hecho Valley Riglos
<b>Rosaceae</b> <i>Alchemilla alpina</i> <i>Amelanchier ovalis</i> <i>Fragaria vesca</i> <i>Potentilla crantzii</i> <i>Potentilla rupestris</i> <i>Rubus fruticosus agg.</i>	<b>Rose Family</b> Alpine Lady's Mantle Juneberry Wild Strawberry Alpine Cinquefoil Rock Cinquefoil Bramble	Aisa Hecho Valley Hecho Valley Aisa Anso Aragues All valleys

Scientific name	Common name	Location
<i>Sanguisorba minor</i>	Salad Burnet	Hecho Valley
<i>Rosa spinosissima</i>		Widespread
<i>Rosa rubifolia</i>		Gabardito
<b>Rubiaceae</b>	<b>Bedstraw Family</b>	
<i>Galium mollugo</i>	Hedge Bedstraw	Widespread
<i>Galium verum</i>	Ladies Bedstraw	Hecho/Aragues Valley
<b>Saxifragaceae</b>	<b>Saxifrage Family</b>	
<i>Saxifraga granulata</i>	Meadow Saxifrage	Hecho/Aragues Valley
<i>Saxifraga cuneifolia</i>	Spoon leaved Saxifrage	Hecho Valley
<i>Saxifraga paniculata</i>	Paniculate Leaved Saxifrage	Hecho Valley
<i>Saxifraga longifolia</i>	Pyrenean Saxifrage	All valleys
<i>Antirrhinum majus</i>	Snapdragon	Biniés
<i>Erinus alpinus</i>	Fairy Foxglove	Hecho Valley
<i>Linaria alpina</i>	Alpine Toadflax	Hecho Valley
<i>Linaria supina</i>	Pyrenean Toadflax	Aisa
<i>Pedicularis pyrenaica</i>	Pyrenean Lousewort	Aisa
<i>Rhinanthus minor</i>	Yellow Rattle	Hecho Valley
<i>Verbascum nigrum</i>	Dark Mullein	Berdún
<i>Verbascum pulverulentum</i>	Hoary Mullein	Hecho Valley
<i>Euphrasia alpina</i>	Glossy Eyebright	Aisa
<i>Veronica aragonensis</i>	Spanish Speedwell	Aisa
<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax	Hecho Village
<b>Solanaceae</b>	<b>Nightshade Family</b>	
<i>Atropa belladonna</i>	Deadly Nightshade	Aragón Valley
<b>Thymelaceae</b>	<b>Daphne Family</b>	
<i>Daphne laureola</i>	Spurge Laurel	Hecho Valley
<b>Urticaceae</b>	<b>Nettle Family</b>	
<i>Parietaria judaica</i>	Pellitory-of-the-wall	Berdún
<i>Urtica dioica</i>	Common Nettle	All valleys
<b>Valerianaceae</b>	<b>Valerian Family</b>	
<i>Centranthus ruber</i>	Red Valerian	Berdún
<b>Violaceae</b>	<b>Violet Family</b>	
<i>Viola pyrenaica</i>	Pyrenean Violet	Hecho
<b>Vitaceae</b>	<b>Vine Family</b>	
<i>Vitis vinifera</i>	Wild Grape-vine	Embún
<b>Liliidae (Monocotyledons)</b>		
<b>Liliaceae</b>	<b>Lily Family</b>	
<i>Allium ampeloprasum</i>	Wild Leek	Hecho Valley
<i>Aphyllanthes monspeliensis</i>	Blue Aphyllanthes	Martes river
<i>Asphodelus albus</i>	White Asphodel	San Juan de la Peña
<i>Brimeura amethystinus</i>	Pyrenean Hyacinth	Biniés
<i>Muscari neglectum</i>	Grape Hyacinth	San Juan de la Peña
<i>Narcissus minor</i>	-	Aisa

Scientific name	Common name	Location
<i>Ruscus aculeatus</i>	Butcher's Broom	Berdún
<i>Scilla verna</i>	Spring Squill	Aisa
<b>Orchidaceae</b>	<b>Orchid Family</b>	
<i>Anacamptis pyramidalis</i>	Pyramidal Orchid	Berdún
<i>Dactylorhiza elata</i>	Robust Marsh Orchid	
<i>Dactylorhiza majalis</i>	Broad-leaved Marsh Orchid	
<i>Dactylorhiza sambucina</i>	Elder-flowered Orchid	Aisa/Aragues/Hecho
<i>Gymnadenia conopsea</i> agg.	Fragrant Orchid	Martes river
<i>Himantoglossum hircinum</i>	Lizard Orchid	Berdún
<i>Ophrys apifera</i>	Bee Orchid	Martes river
<i>Orchis anthropophora</i>	Man Orchid	Berdún
<i>Orchis laxiflora</i>	Lax-flowered Orchid	San Juan de la Peña
<i>Orchis mascula</i>	Early Purple Orchid	Hecho Valley
<i>Orchis militaris</i>	Military Orchid	Martes river
<i>Orchis purpurea</i>	Lady Orchid	Aragues
<i>Plantathera bifolia</i>	Lesser Butterfly Orchid	Martes river
<i>Orchis palustris</i>	Bog Orchid	Hecho

## Birds (✓ = recorded but not counted)

	Common name	Scientific name	June							
			2	3	4	5	6	7	8	9
1	Grey Heron	<i>Ardea cinerea</i>		✓						
2	Lammergeier	<i>Gypaetus barbatus</i>		✓	✓	✓	✓	✓		
3	Eurasian Griffon Vulture	<i>Gyps fulvus</i>	✓	✓	✓	✓	✓	✓	✓	✓
4	Egyptian Vulture	<i>Neophron percnopterus</i>	✓	✓	✓	✓	✓	✓	✓	✓
5	Short-toed Eagle	<i>Circaetus gallicus</i>		✓						
6	Red Kite	<i>Milvus milvus</i>	✓	✓	✓	✓	✓	✓	✓	✓
7	Black Kite	<i>Milvus migrans</i>	✓	✓	✓	✓	✓	✓	✓	✓
8	Western Marsh Harrier	<i>Circus aeruginosus</i>		✓						
9	Montagu's Harrier	<i>Circus pygargus</i>		✓						
10	Common Buzzard	<i>Buteo buteo</i>	✓	✓	✓	✓	✓	✓	✓	✓
11	Common Sandpiper	<i>Actitis hypoleucos</i>		✓						
12	Yellow-legged Gull	<i>Larus michahellis</i>		✓		✓				
13	Rock Dove / Feral Pigeon	<i>Columba livia</i>		✓		✓				
14	Common Wood Pigeon	<i>Columba palumbus</i>	✓	✓	✓	✓	✓	✓	✓	✓
15	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	✓	✓	✓	✓	✓	✓	✓	✓
16	European Turtle Dove	<i>Streptopelia turtur</i>		✓						
17	Common Cuckoo	<i>Cuculus canorus</i>		✓						
18	Little Owl	<i>Athene noctua</i>			✓		✓			
19	Eurasian Scops Owl	<i>Otus scops</i>		✓						
20	European Nightjar	<i>Caprimulgus europaeus</i>	✓							✓
21	Common Swift	<i>Apus apus</i>	✓	✓	✓	✓	✓	✓	✓	✓
22	Pallid Swift	<i>Apus pallidus</i>	✓	✓	✓	✓	✓	✓	✓	✓
23	Alpine Swift	<i>Tachymarptis melba</i>		✓		✓				
24	Eurasian Hoopoe	<i>Upupa epops</i>		✓						
25	European Bee-eater	<i>Merops apiaster</i>		✓		✓				
26	Black Woodpecker	<i>Dryocopus martius</i>			✓					
27	European Green Woodpecker	<i>Picus viridis</i>		✓		✓				
28	Great Spotted Woodpecker	<i>Dendrocopos major</i>		✓		✓				
29	Common Skylark	<i>Alauda arvensis</i>			✓					

	Common name	Scientific name	June							
			2	3	4	5	6	7	8	9
30	Crested Lark	<i>Galerida cristata</i>		✓	✓	✓	✓	✓	✓	✓
31	Eurasian Crag Martin	<i>Ptyonoprogne rupestris</i>		✓	✓	✓	✓	✓	✓	✓
32	Barn Swallow	<i>Hirundo rustica</i>	✓	✓	✓	✓	✓	✓	✓	✓
33	Common House Martin	<i>Delichon urbicum</i>	✓	✓	✓	✓	✓	✓	✓	✓
34	Tawny Pipit	<i>Anthus campestris</i>		✓						
35	Water Pipit	<i>Anthus spinoletta</i>				✓				
36	White Wagtail	<i>Motacilla alba</i>		✓	✓	✓	✓	✓	✓	✓
37	Grey Wagtail	<i>Motacilla cinerea</i>	✓	✓	✓					
38	Dunnock	<i>Prunella modularis</i>					✓			
39	European Robin	<i>Erithacus rubecula</i>	✓	✓	✓	✓	✓	✓	✓	✓
40	Common Nightingale	<i>Luscinia megarhynchos</i>	✓	✓	✓	✓	✓	✓	✓	✓
41	Black Redstart	<i>Phoenicurus ochruros</i>	✓	✓	✓	✓	✓	✓	✓	✓
42	Northern Wheatear	<i>Oenanthe oenanthe</i>			✓	✓	✓			
43	Black Wheatear	<i>Oenanthe leucura</i>								✓
44	Common Stonechat	<i>Saxicola torquata</i>		✓		✓				
45	Song Thrush	<i>Turdus philomelos</i>		✓		✓				
46	Mistle Thrush	<i>Turdus viscivorus</i>				✓		✓		
47	Common Blackbird	<i>Turdus merula</i>	✓	✓	✓	✓	✓	✓	✓	✓
48	Garden warbler	<i>Sylvia borin</i>		✓	✓	✓	✓	✓	✓	
49	Blackcap	<i>Sylvia atricapilla</i>		✓	✓					
50	Sardinian Warbler	<i>Sylvia melanocephala</i>		✓						
51	Subalpine Warbler	<i>Sylvia cantillans</i>								✓
52	Dartford Warbler	<i>Sylvia undata</i>			✓					
53	Cetti's Warbler	<i>Cettia cetti</i>			✓					
54	Melodious Warbler	<i>Hippolais polyglotta</i>		✓		✓				
55	Wood Warbler	<i>Phylloscopus sibilatrix</i>		✓		✓	✓			
56	Common Chiffchaff	<i>Phylloscopus collybita</i>		✓	✓	✓	✓			
57	Goldcrest	<i>Regulus regulus</i>			✓		✓			
58	Winter Wren	<i>Troglodytes troglodytes</i>			✓		✓		✓	
59	Spotted Flycatcher	<i>Muscicapa striata</i>		✓						
60	Pied Flycatcher	<i>Ficedula hypoleuca</i>			✓					
61	Great Tit	<i>Parus major</i>		✓	✓	✓	✓	✓	✓	
62	European Blue Tit	<i>Cyanistes caeruleus</i>		✓	✓		✓			
63	Coal Tit	<i>Parus ater</i>			✓	✓	✓	✓	✓	
64	Crested Tit	<i>Lophophanes cristatus</i>			✓			✓		
65	Eurasian Nuthatch	<i>Sitta europaea</i>			✓		✓	✓		
66	Short-toed Treecreeper	<i>Certhia brachydactyla</i>							✓	
67	Red-backed Shrike	<i>Lanius collurio</i>			✓					
68	Woodchat Shrike	<i>Lanius senator</i>		✓						
69	Common Magpie	<i>Pica pica</i>	✓	✓	✓	✓	✓	✓	✓	✓
70	Eurasian Jay	<i>Garrulus glandarius</i>			✓	✓		✓	✓	
71	Western Jackdaw	<i>Corvus monedula</i>		✓	✓					
72	Red-billed Chough	<i>Pyrrhocorax pyrrhocorax</i>			✓	✓	✓			
73	Alpine Chough	<i>Pyrrhocorax graculus</i>			✓	✓				
74	Carrion Crow	<i>Corvus corone</i>		✓	✓	✓	✓	✓	✓	✓
75	Common Raven	<i>Corvus corax</i>		✓	✓	✓	✓	✓	✓	✓
76	Spotless Starling	<i>Sturnus unicolor</i>		✓	✓	✓	✓	✓	✓	✓
77	Eurasian Golden Oriole	<i>Oriolus oriolus</i>		✓		✓				
78	House Sparrow	<i>Passer domesticus</i>	✓	✓	✓	✓	✓	✓	✓	✓
79	Eurasian Tree Sparrow	<i>Passer montanus</i>		✓		✓				
80	Common Rock Sparrow	<i>Petronia petronia</i>		✓						



	Common name	Scientific name	June							
			2	3	4	5	6	7	8	9
81	Common Chaffinch	<i>Fringilla coelebs</i>		✓	✓	✓	✓	✓	✓	✓
82	Common Linnet	<i>Carduelis cannabina</i>		✓	✓		✓	✓		
83	European Goldfinch	<i>Carduelis carduelis</i>		✓	✓	✓	✓	✓	✓	✓
84	Citril Finch	<i>Carduelis citrinella</i>			✓		✓			
85	European Serin	<i>Serinus serinus</i>		✓	✓	✓	✓	✓	✓	✓
86	Common Crossbill	<i>Loxia curvirostra</i>			✓					
87	Yellowhammer	<i>Emberiza citrinella</i>			✓		✓	✓		
88	Cirl Bunting	<i>Emberiza cirlus</i>				✓				
89	Corn Bunting	<i>Emberiza calandra</i>		✓	✓	✓	✓	✓	✓	✓

## Butterflies

1	Dingy Skipper	<i>Erynnis tages</i>		✓						
2	Marbled Skipper	<i>Carcharodus lavatherae</i>								✓
3	Silver Spotted Skipper	<i>Hesperia comma</i>			1					
4	Spanish Swallowtail	<i>Iphiclides feisthamelii</i>		✓						✓
5	Swallowtail	<i>Papilio machaon</i>		✓						✓
6	Wood White	<i>Leptidea sinapis</i>		✓						
7	Black-veined White	<i>Aporia cratargi</i>		✓						✓
8	Large White	<i>Pieris brassicae</i>		✓						
9	Small White	<i>Artogeia rapae</i>		✓						✓
10	Orange Tip	<i>Anthocharis cardamines</i>	✓		✓	✓				
11	Pale Clouded Yellow	<i>Colias hyale</i>		✓			✓			
12	Clouded Yellow	<i>Colias crocea</i>				25				
13	Cleopatra	<i>Gonepteryx cleopatra</i>		✓				✓		
14	False Ilex Hairstreak	<i>Satyrimum esculi</i>								✓
15	Ilex Hairstreak	<i>Satyrimum ilicis</i>		✓						
16	Green Hairstreak	<i>Callophrys rubi</i>								✓
17	Purple-shot Copper	<i>Lycaena alciphron</i>		1						
18	Escher's Blue	<i>Polyommatus escheri</i>								✓
19	Common Blue	<i>Polyommatus icarus</i>		1	2					
20	Spanish Chalkhill Blue	<i>Lysandra albicans</i>		✓		✓				
21	Southern White Admiral	<i>Limentitis reducta</i>		✓						
22	Painted Lady	<i>Vanessa cardui</i>		✓						✓
23	Provençal Fritillary	<i>Melitaea deione</i>		✓						✓
24	Pearl-bordered Fritillary	<i>Boloria euphrosyne</i>		✓						
25	Speckled Wood	<i>Pararge aegeria</i>		✓	✓			✓		✓
26	Wall Brown	<i>Lasiommata megera</i>		✓					1	
27	Spanish Gatekeeper	<i>Pyronia bathseba</i>		✓		✓				
28	Meadow Brown	<i>Maniola jurtina</i>		✓	✓	✓	✓	✓	✓	
29	Marbled White	<i>Melanargia galathea</i>	✓	✓	✓	✓	✓	✓	✓	✓
30	Spanish Marbled White	<i>Melanargia ines</i>		✓						
31	Grayling	<i>Hipparchia semele</i>								✓

## Moths

1	Burnet sp.	<i>Zygaena sp.</i>		✓						✓
2	Hummingbird Hawkmoth	<i>Macroglossum stellatarum</i>		✓		✓		✓		
3	Tiger Moth	<i>Cymbalophora pudica?</i>		✓			✓			

	Common name	Scientific name	June						
			2	3	4	5	6	7	8

## Other Invertebrates

1	Carpenter Bee	<i>Xylocopa violacea</i>		✓						
2	Fire Bug	<i>Pyrrhocoris apterus</i>	✓							
3	Dung Beetle	<i>Aphodius sp</i>		✓	10+					
4	Dor Beetle	<i>Geotrupes stercorarius</i>				✓				
5	Alpine Rosalia Longhorn	<i>Rosalia alpina</i>		✓						

## Mammals

1	Pyrenean Chamois (Izard)	<i>Rupicapra pyrenaica</i>			✓			✓		
2	Red Squirrel	<i>Sciurus vulgaris</i>					✓		✓	
3	Alpine Marmot	<i>Marmotta marmotta</i>			✓	✓				

## Amphibians &amp; Reptiles

1	Common Frog	<i>Rana temporaria</i>		✓						
2	Green Lizard	<i>Lacerta bilineata</i>			✓					
3	Common Lizard	<i>Zootoca vivipera</i>		✓	✓	✓	✓	✓	✓	✓
4	Common Wall Lizard	<i>Podarcis muralis</i>		✓	✓	✓	✓	✓	✓	✓
5	Iberian Wall Lizard	<i>Podarcis hispanica</i>			✓		✓	✓		
6	Viperine Water Snake	<i>Natrix maura</i>						1		