

Spain - Spring Flowers of Western Andalucía

Naturetrek Tour Report

20 - 27 March 2019



Orobanche gracilis



Neotinea tridentata subsp. *conica*



Paeonia broteri



Narcissus assoanus

Report & photos by Paul Harmes & Sophie Leguil



Naturetrek Mingledown Barn Wolf's Lane Chawton Hampshire GU34 3HJ

T: +44 (0)1962 733051

F: +44 (0)1962 736426

E: info@naturetrek.co.uk

W: www.naturetrek.co.uk

Tour Participants: Paul Harmes and Sophie Leguil with 10 Naturetrek clients.

Day 1

Wednesday 20th March

Fly London Gatwick to Malaga – Transfer to Ronda area

Ten tour group members met with Sophie and Paul at Malaga Airport, having arrived from various UK Airports. Upon our arrival, we made our way to our hire vehicles, in the multi-storey car park.

We left Malaga airport in a north-westerly direction, past the cargo area, via the perimeter road towards El Peron, where we took the A7052 for several miles before joining the A357, Campilos road. We continued north-west, passing the 'white village' of Ardales on our left, and on to the junction with the A367, the Ronda road. Along the way, Spotless Starlings, Blackbird, Barn Swallows, Crested Larks, Marsh Harrier and Skylark were seen. After a light snack at the El Meson de Diego venta, we continued on the A367 south, through Cuevas del Becerro, to the outskirts of Ronda, where we joined the A376, Seville road, west for about eight kilometres to our final destination, the Hotel Cortijo Las Piletas, our accommodation for the week. On arrival, we were met by Elisenda, our host, who quickly settled us into our rooms.

At 7.30pm, we met in the lounge, where our leaders gave a brief outline of the plans for the next day, before we went into the dining room for dinner.

Day 2

Thursday 21st March

Grazalema – Sierra del Pinar – Gargante Verde

After a good breakfast, we drove down towards Seville road, turning west to a junction, where we turned left again, and made our way towards the village of Grazalema. Along the way we recorded Corn Bunting, Crested Lark and Goldfinch. When we arrived at the junction of the Ubrique road, just outside Grazalema, we turned south. Our leaders dropped us off on a very wide, dampish road verge, and we began to explore, working our way northwards for about eight hundred meters, to where the leaders had parked the vehicles. *Romulea bulbocodium* (a Sand Crocus), *Narcissus bulbocodium* (Hoop-petticoat Daffodil), *Ficaria verna* subsp. *ficarifformis* (Lesser Celandine), *Ulex parviflorus* (Small-flowered Gorse) and *Centaurea pullata* (a Knapweed) were all present. An adjacent mountainous ridge produced Griffon Vulture and Raven, whilst nearby we added Rock Bunting, Subalpine Warbler as well as Oil Beetle and Violet Rain Beetle. A nearby meadow and road verges contained a good number of spikes of *Narcissus flavus* (a Daffodil).

Retracing our route, we made our way through Grazalema and on up to the carpark below the Sierra del Pinar

As we arrived, Black-eyed Blue and Painted Lady Butterflies were active, and we noted a curious Bagworm (moth) larva, with its case not unlike that of a terrestrial Caddis Fly. Also, in a corner there were several bushes of *Retama monosperma* (Bridal Veil), and some adjacent rocks had *Ulex bovinii* and a couple of patches of *Plocama calabrica* (Putoria). We now set off on a walk. As we began to ascend the path, the young leaves of *Ptilostemon hispanicus* (Spanish Thistle) and *Bupleurum spinosum* (Spiny Hare's-ear). The path rose through mixed *Pinus pinaster* (Maritime Pine) and *Pinus halepensis* (Aleppo Pine) forest, mixed with *Quercus coccifera* (Kermes Oak). Before long,

we found a small area of *Orchis olbiensis* (an Early Purple Orchid), together with emerging *Romulea bulbocodium* (a Sand Crocus). Continuing upwards towards a saddle, we noted Western Dappled White, Provence Orange Tip and Wall Brown butterflies, and Robin and Coal Tit were heard.

At the saddle, we paused to enjoy the view. Dropping away on the scarp slope, we found one of the two remaining areas of *Abies pinsapo* (Spanish Fir). We also added *Viola demetrei*, *Berberis hispanica* (Spanish Barberry), *Asphodelus albus* (White Asphodel) and *Narcissus assoanus* (Rush-leaved Jonquil).

Returning to the car park, we took our picnic lunch, before continuing north, up and over the 'Puerto de las Palomas' (Pass of the Doves), where we began the descent towards Zahara, stopping at the Gargante Verde. Here we admired *Orchis olbiensis* (an Early Purple Orchid), *Astragalus lusitanicus* (a Milk-vetch), *Romulea bulbocodium* (a Sand Crocus), and *Viburnum tinus* (Laurustinus).

We now moved on to the car park at the 'Garganta Verde'. Here, we saw more *Narcissus assoanus* (Rush-leaved Jonquil), *Ophrys fusca* subsp. *fusca* (Sombre Bee Orchid) and *Ophrys tenthredinifera* (Sawfly Orchid) on a steep verge. We also found *Ulex parviflorus* (Small-flowered Gorse), *Ceratonia siliqua* (Carob) and *Myrtis communis* (Myrtle). Griffon Vultures, Black Redstart and Sardinian Warbler were also recorded.

Continuing down towards the hilltop village of Zahara, we made two more stops. The first was a road bank, just south of the village, where we saw *Vinca difformis* (Intermediate Periwinkle) along with *Himantoglossum robertianum* (Giant Orchid) and an array of colour forms of *Orchis olbiensis*, from dark pink to pure white.

We made our final stop on a scrubby bank near Las Mezas. *Aristolochia paucinervis* (a Birthwort), *Ophrys omegaifera* (Omega Bee Orchid), *Ophrys speculum* (Mirror Orchid), *Salvia verbenaca* (Wild Clary) *Ophrys bombyliflora* (Bumblebee Orchid) and *Retama monosperma* (Bridal Veil) were all seen. Serin, Corn Bunting and Chaffinch were also present.

From here, we set off to our hotel for warming refreshments and to freshen up for dinner.

Day 3

Friday 22nd March

Sierra de Montalata – Hidden Valley

Around the hotel, this morning House Sparrow, Blackbird, Serin and Barn Swallow were recorded.

Today, we made our way south, to the small town of Montejaque, we took a back road and made our way up to Los Llanos de Libar, in the Sierra de Montalata, known as the 'hidden valley'. A stop by a high cliff produced *Saxifraga bourgaeana*, *Ornithogalum reverchonii* (a Star-of-Bethlehem), *Narcissus cuatrecasasii* (Rock Jonquil) and *Fedia cornucopiae* (Fedia). Great Tit, Barn Swallow, Blackcap and Griffon Vultures were also seen.

Continuing up the valley, admiring the Karst Limestone Mountains as we went, we parked the bus at the top of the valley. Here, there was another outcrop of rocks, finding *Narcissus cuatrecasasii* (Rock Jonquil), at eye level. We now set off to walk up into the upper section of the valley. Many butterflies were present, and included Small Heath, Provence Hairstreak, Common Blue, Adonis Blue, Small Copper, Scarce Swallowtail and Large Wall Brown. Griffon Vulture, Red-billed Chough, Black Redstart, Western Bonelli's Warbler, Crag Martin, Linnet and

Black Wheatear were also recorded. As we walked, we saw *Hyacinthoides hispanica* (Spanish Bluebell), *Erodium recoderi*, *Cistus albicans* (White-leaved Cistus), *Phlomis purpurea* (Purple Jerusalem Sage), *Valeriana tuberosa* (Tuberous Valerian), *Fritillaria lusitanica* (Portuguese Fritillary), *Orchis italica* (Naked Man Orchid), *Dianthus boissieri* (Boissier's Pink) and a fully-flowering *Paeonia broteroi* (Peony).

Making our way back to the vehicle, we took our picnic lunch, before making our way slowly down the track towards the village. As we went, we saw Crag Martin, Black Wheatear, Stonechat, Blue Rock Thrush and Rock Bunting, and the trees were covered in *Viscum cruciatum* (Red-berried Mistletoe). We made our final stop in this area, to explore the verges just outside the village. Here we found *Lathyrus clymenum*, *Erodium moschatum* (Musk Stork's-bill), *Bitumaria bituminosa* (Pitch Trefoil), *Reseda undata* subsp. *gayana* (a Mignonette), *Asparagus albus* (White Asparagus), *Crambe filiformis* (Thin Sea Kale), *Ruta montana* (a Rue), *Centaurea pullata*, *Silene colorata*, and *Orobanche gracilis* (Slender Broomrape). We also enjoyed a pair of Short-toed Eagles, Griffon Vulture, Sardinian Warbler and Blackcap.

It was now time for the return journey to the hotel

Day 4

Saturday 23rd March

Sierra de las Nieves and Ronda

A cold, wet day greeted us and, after breakfast, we headed off in a south-easterly direction, towards San Pedro, and into the Sierra de las Nieves National Park. Our objective was the Los Quejigales recreation area, situated some eight kilometres from the road. The park road took us, initially, through *Quercus* woodland and shrubby scrub below, then on up through a mixture of *Pinus halepensis* and *Pinus pinaster* (Aleppo and Maritime Pine) woodland, before emerging above the tree line into an exposed limestone area. It was in this latter habitat that we made our first stop, finding *Neotinea tridentata* subsp. *conica* (a Toothed Orchid) *Narcissus assoanus* (Rush-leaved Jonquil), which carpeted a large boulder, and *Orchis olbiensis* (an Early Purple Orchid) in various colour forms from dark pink to white. Birds here were rather quiet, but Chaffinch, Jay and Mistle Thrush were noted.

Our second stop was close to the Area Recreativa Los Quejigales. This is a wet grassy area which has a good colony of *Narcissus hispanicus* (Long-spathed Daffodil), scattered among small bushes of *Crataegus monogyna* (Hawthorn), festooned with *Viscum cruciatum* (Red-berried Mistletoe), and *Daphne laureola* (Spurge Laurel).

Parking the vehicle at Los Quejigales, in a chilly wind, we set off to walk up to the second colony of *Abies pinsapo* (Spanish Fir). Along the path we found *Rubia peregrina* (Wild Madder), *Pinus pinaster* (Maritime Pine), *Arenaria tetraquetra* (Spanish Sandwort), *Lavandula lanata* (Woolly Lavender) and *Lonicera arborea* (Tree Honeysuckle). For the birders there were Robin, Chaffinch, Griffon Vulture, Wren and Great Tit.

After lunch, we drove back to Ronda, parking in the car park on the north side of the town. We then walked down through the pedestrian precinct to the cliff-edge walk. Here, we had great views to the south of the town, and we also found naturalised *Broussonetia papyrifera* (Paper Mulberry), *Moricandia moricandioides*, *Echium plantagineum* (Purple Viper's-bugloss), *Convolvulus althaeoides* (Mallow-leaved Bindweed) and *Antirrhinum barrelieri* (a Snap-Dragon). For the birds, we saw Red Billed Chough, Crag Martin and Blackcap. At this point, Paul and Sophie

left us to explore Ronda at our leisure, before collecting us from a pre-arranged spot to return to the hotel for dinner.

Day 5

Sunday 24th March

El Torcal – Laguna Dulce – Tajo del Molino

Today, we set off from the hotel, driving back towards Ronda, where we took the road towards Campillos. Crested Larks, Barn Swallows and Raven were seen as we went. We passed through the small village of Teba and turned east joining the main Malaga to Antequera road, and continued eastwards, via Campillos. Passing through Antequera, we made our way up to the summit of El Torcal, the highest point in the El Torcal de Antequera National Park. As we drove, we noted Corn Bunting, Crested Lark, Yellow-legged Gull, Spotless Starling and Barn Swallow.

Morning coffee was taken at visitor centre, before we set off for a walk, to explore the ‘Karst’ limestone structures. Blackbird, Robin, Black Redstart, Red-billed Chough and Griffon Vulture were seen from the path. Walking one of the circular tracks, we found *Euphorbia characias* subsp. *characias* (Mediterranean Spurge) and a clump of the beautiful, endemic *Linaria anticaria* (El Torcal Toadflax). We also saw the leaves of *Saxifraga bitemata* (El Torcal Saxifrage), another local endemic, plus *Himantoglossum robertianum* (Giant Orchid), *Ophrys tenthredinifera* (Sawfly Orchid), *Sedum sexangulare* (Tastless Stonecrop) and *Ruscus aculeatus* (Butcher’s-broom). The highlight of the morning was an encounter with a group of Spanish Ibex, grazing and resting close by.

Beginning our journey back towards Ronda, we made a stop at Laguna Dulce, near Campillos. The lake, for the first time in three years, had water in it and a good number of bird species. Following lunch, we scanned the lake, recording Greater Flamingo, Red-crested Pochard, Coot, Black-necked Grebe, and Marsh Harrier. Around the margins there was Cetti’s Warbler and White Wagtail. On the track verge we found *Nonea vesicaria* (Nonea), *Calendula suffruticosa*, *Platycapnos spicata*, *Ononis biflora* (a Restharrow), *Carduus pycnocephalus* (Plymouth Thistle) and *Erodium malacoides* (Mallow-leaved Stork’s-bill).

Our last stop of the day was the cutting, hillside and river gorge at Tajo del Molino. The roadside had a number of clumps of the white *Antirrhinum graniticum* (a Snapdragon) and *Asphodelus fistulosus* (Small Asphodel), whilst the hillsides produced *Ophrys tenthredinifera* (Sawfly Orchid) and *Pardoglossum cheirifolium* (a Hound’s-tongue). The gorge had Red-billed Chough, Crag Martin, Blackcap and Black Wheatear. A solitary Large White butterfly also put in an appearance.

Tonight, for dinner we visited the Hostel Venta La Vega, just down the road from the hotel.

Day 6

Monday 25th March

Cueva de la Pileta - Grazalema

This morning, we were booked in for a visit to the ‘Cueva de la Pileta’ caves, in order to visit this site of ancient wall paintings, thought to be in the region of 30,000 years old.

Driving down through Montejaque, we made our way to the site, above the village of Benaolan, and parked in the car park. Sophie took the group into the caves, whilst Paul remained with the vehicles.

In and around the car park there was *Calycotome villosa* (Prickly Broom), *Olea europaea* (Wild Olive), *Linaria platycalyx*, *Phagnalon rupestre* (Phagnalon), *Orobancha ballotae* (Horehound Broomrape) and *Scilla peruviana* (Giant Squill). Birds included Blue Rock Thrush, Sardinian Warbler, Raven and Griffon Vulture. Spanish Festoon, Large Wall Brown, Provence Orange Tip and Provence Hairstreak were also present.

We now retraced our steps back to the Seville road, and made our way towards the village of Grazalema. Just outside the village we turned left onto the A374, Ubrique road, stopping at the Area Recreativa Las Covezuelas, where we had our picnic in warm sunshine. This produced an array of different butterflies, including Black-eyed Blue, Brown Argus, Provence Hairstreak, Orange Tip, Large Wall Brown, Large Tortoiseshell, Wall Brown, Speckled Wood, Western Dappled White. Also seen was Griffon Vulture, and Coal Tit and Cuckoo were heard.

With the meal completed, we made our way towards Grazalema, pausing on a verge below the town to explore. Here we found *Narcissus papyraceus* (Paper-white Daffodil), the magnificent *Scrophularia sambucifolia* (Elder-leaved Figwort), *Ophrys tenthredinifera* (Sawfly Orchid) and *Ophrys bombyliflora* (Bumblebee Orchid).

Entering Grazalema, we parked at the top of the town. We planned on a coffee break, but as we walked into the town square, we recorded the endemic *Centaurea clementei* (Clemente's Knapweed), along with *Chaenorhinum villosum*, *Anogramma leptophylla* (Jersey Fern) and *Parietaria judaica* (Pellitory-of-the-wall), as well as several Large Psammodromus Lizards.

The remainder of the afternoon was spent exploring the roadsides to the east of Grazalema. Oaks were varied, with *Quercus suber* (Cork Oak), *Quercus faginea* (Beach-leaved Oak), *Quercus ilex* (Holm Oak) and *Quercus coccifera* (Kermes Oak) all identified. There were also several Cistus species: *Cistus populifolius* (Poplar-leaved Cistus), *Cistus monspeliensis* (Narrow-leaved Cistus), *Cistus salvifolius* (Sage-leaved Cistus) and *Cistus laurifolius* (Laurel-leaved Cistus). In addition, we also saw *Ophrys tenthredinifera* (Sawfly Orchid), *Teucrium fruticans* (Shrub Germander), *Cephalanthera longifolia* (Sword-leaved Helleborine), *Pisum sativum* (Wild Pea) and *Scoparius vermiculatus* (Scorpion Vetch).

It was now time to make our way back to the hotel, for dinner.

Day 7

Tuesday 26th March

El Burgo - Ardales – El Chorro

Having completed breakfast, we travelled via Ronda, towards the village of El Burgo. We first passed over the Puerto del Viento (Pass of the Wind), stopping a couple of kilometres to the east to see *Iris planifolia* (Flat-leaved Iris). A good number of plants were found, but only a few remained in flower. There was also *Hornungia petraea* (Hutchinsia), *Viola demetria*, *Paeonia broteroi* (a Peony) in bud, and several clumps of the endemic *Biscutella frutescens* (Perennial Buckler Mustard). At the base of some rocks, there was *Prunus prostratus* (Prostrate Plum), *Umbilicus rupestris* (Navelwort) and some *Crataegus monogyna* (Hawthorn) bushes which were infested with *Viscum cruciatum*

(Red-berried Mistletoe). Red-billed Choughs were seen patrolling a distant cliff face, and Goldfinch Stonechat and Ortolan Bunting were also recorded.

Our second stop of the morning was at the Mirador del Guarda Forestal. Here we saw *Hyacinthoides hispanicus* (Spanish Bluebell), *Clematis cirrhosa* (Virgin's Bower), *Calendula suffruticosa* (a Marigold), *Microthlaspi perfoliata* (Perfoliate Pennycress), *Erodium recoderi*, *Geranium lucidum* (Shining Crane's-bill), *Asparagus albus* (White Asparagus) and *Rubia peregrina* (Wild Madder).

Continuing onwards, we made our way through El Burgo before turning right and on towards Ardales. Along the way, at a short comfort break, we found *Orchis anthropophorum* (Man Orchid), *Ophrys scolopax* (Woodcock Orchid), *Moricandia moricandioides*, *Juniperus phoeniceus* (Phoenician Juniper), *Muscari neglectum* (Grape Hyacinth), *Ophrys tenthredinifera* (Sawfly Orchid) and *Pistacia lentiscus* (Mastic Bush). As we continued small flocks of Serin were seen, as well as House Martins.

In Ardales, we added *Nicotiana glauca* (Shrub Tobacco) and *Hyoscyamus albus* (White Henbane). We took the road along the eastern shore of the Embalse del Conde de Guadalhorce reservoir, to our main objective, the 'Mirador de las Embalsas', where three reservoirs meet. Here we parked. An exploration of the *Pinus halepensis* (Aleppo Pine) woodland revealed *Fritillaria lusitanica* (Portuguese Fritillary), sadly only the fruiting bodies of *Narcissus cantabricus* (White Hooped-petticoat Daffodil), *Ophrys speculum* (Mirror Orchid), *Bupleurum fruticosum* (Shrubby Hare's-ear), *Anthyllis cystoides* (Shrub Kidney Vetch), *Cistus albidus* (Grey-leaved Cistus), *Dipcadi serotina* (Brown Bluebell) and *Muscari neglectum* (Grape Hyacinth). Birds included Crossbill, Coal Tit, Blackbird, Goldfinch, Serin, Chaffinch and Great Spotted Woodpecker.

After our picnic lunch, in the warm sunshine, we walked a short way down towards the road, exploring the sandstone verges, finding *Rupicapnos africana*, *Chaenorbinum villosum*, *Ranunculus spicatus* subsp. *blepharicarpos* (Rock Buttercup), *Ophrys tenthredinifera* (Sawfly Orchid), *Orchis anthropophora* (Man Orchid) and *Aristolochia baetica* (a Birthwort).

From here we made our way through the gorge to a point just west of El Chorro. Here we explored the verges overlooked by El Caminito del Rey (The King's Little Pathway), finding *Crambe filiformis* (Thin Sea Kale), *Adiantum capillus-veneris* (Maidenhair Fern), *Samolus valerandi* (Brookweed) and *Equisetum hyemale* (Dutch Rush). At this point we made our way to a small café for refreshments. Whilst enjoying our drinks we noted occasional soaring Griffon Vultures.

It was now time to make our way back to Ronda, in time to freshen up for dinner.

Day 8

Wednesday 27th March

Transfer from Ronda to Malaga Airport

After an early breakfast, we said our farewells to Elisenda and Pedro and thanked them and their staff for a wonderful stay in this beautiful area. We set off, in clear skies, and headed for Malaga Airport, making it in good time for our flight back to the UK.

Species Lists (* indicates a plant is endemic; [] = Indicates a plant is introduced/planted)

Plants

Nomenclature contained within this list follows the taxonomic amendments, based on DNA analysis, made by the Royal Botanic Gardens, Kew and the Missouri Botanic Garden, and following The Plant List, an internationally accepted list of vascular plant families, published and maintained by these two Institutions.

Scientific name	Common name	Location
PTERIDOPHYTES		
FERNS & ALLIES		
Lycophytes		
Clubmosses & Quillworts		
Selaginellaceae		
<i>Selaginella denticulata</i>	Lesser Clubmoss Family Mediterranean Clubmoss	Between El Burgo & Ardales
Calamophytes		
Horsetails		
Equisetaceae		
<i>Equisetum hyemale</i>	Horsetail Family Dutch Rush	El Chorro
<i>Equisetum telmateia</i>	Giant Horsetail	Verge near hotel
Leptosporangiate Ferns		
True Ferns		
Aspleniaceae		
<i>Asplenium adiantum-nigrum</i>	Spleenwort Family Black Spleenwort	Between Grazalema & Ubrique
<i>Asplenium ceterach</i>	Rustyback	Sierra del Pinar
<i>Asplenium trichomanes</i> subsp. <i>pachyrachis</i>	Maidenhair Spleenwort	Sierra del Pinar
<i>Asplenium trichomanes</i> subsp. <i>quadrialeans</i>	Maidenhair Spleenwort	El Torcal
Polypodiaceae		
<i>Polypodium cambricum</i>	Polypody Family Southern Polypody	Hidden Valley
Pteridaceae		
<i>Adiantum capillus-veneris</i>	Ribbon Fern Family Maidenhair Fern	El Chorro
<i>Anogramma leptophylla</i>	Jersey Fern	Grazalema
<i>Cheilanthes pteridioides</i>	Scented Cheilanthes	Hidden Valley
GYMNOSPERMS		
CONIFERS		
Cupressaceae		
<i>Juniperus oxycedrus</i>	Juniper Family Prickly Juniper	Sierra del Pinar
<i>Juniperus phoenicea</i> subsp. <i>phoenicea</i>	Phoenician Juniper	Near El Burgo
Pinaceae		
<i>Abies pinsapo</i>	Pine Family Spanish Fir	Sierra del Pinar
[<i>Cedrus deodara</i>]	Deodar Cedar	Sierra de las Nieves
<i>Pinus halepensis</i>	Aleppo Pine	Sierra de las Nieves
<i>Pinus pinaster</i>	Maritime Pine	Sierra del Pinar
<i>Pinus pinea</i>	Stone or Umbrella Pine	E of Grazalema

Scientific name	Common name	Location
ANGIOSPERMS		
Pre-dicots		
FLOWERING PLANTS		
Primitive Angiosperms		
Aristolochiaceae	Birthwort Family	
<i>Aristolochia baetica</i>	a Birthwort	Near Las Mezas
<i>Aristolochia paucinervis</i>	a Birthwort	Near Las Mezas
Eu-dicots		
True Dicotyledons		
Adoxaceae	Moschatel Family	
<i>Viburnum tinus</i>	Laurustinus	Below Grazalema
Anacardiaceae	Sumach Family	
<i>Pistacia lentiscus</i>	Mastic Bush	Gargante Verde
Apiaceae	Carrot Family	
<i>Berula erecta</i>	Lesser Water-parsnip	Stream near hotel
<i>Bupleurum fruticosum</i>	Shrubby Hare's-ear	Near El Chorro
<i>Bupleurum spinosum</i>	Spiny Hare's-ear	Sierra del Pinar
<i>Ferula communis</i>	Giant Fennel	Tajo de Molino
<i>Foeniculum vulgare</i>	Fennel	Gargante Verde
<i>Oenanthe crocata</i>	Hemlock Water Dropwort	S of Grazalema
<i>Scandix pecten-veneris</i>	Shepherd's Needle	Hidden Valley
<i>Smyrniolum olusatrum</i>	Alexanders	Roadsides
<i>Thapsia garganica</i>	Thapsia	Sierra del Pinar (leaves)
Apocynaceae	Periwinkle Family	
<i>Nerium oleander</i>	Oleander	Naturalised on roadsides
<i>Vinca difformis</i>	Intermediate Periwinkle	Hidden Valley
Araliaceae	Ivy Family	
<i>Hedera helix</i> agg.	Ivy	El Torcal
Berberidaceae	Barberry Family	
<i>Berberis hispanica</i>	Spanish Barberry	Sierra del Pinar
Boraginaceae	Forget-me-not Family	
<i>Borago officinalis</i>	Borage	El Chorro
<i>Buglossoides arvensis</i>	Corn Gromwell	E of Grazalema
<i>Cerintho major</i> var. <i>purpurescens</i>	Greater Honeywort	Tajo de Molino
<i>Cynoglossum clandestinum</i>	a Hound's-tongue	Gargante Verde
<i>Echium albicans</i>	-	Near El Chorro
<i>Echium boissieri</i>	Boissier's Viper's-bugloss	S of Grazalema
<i>Echium plantagineum</i>	Purple Viper's-bugloss	Near Malaga Airport
<i>Glandora prostrata</i> subsp. <i>lusitanica</i> (<i>Lithodora</i> p.l)	a Gromwell	Near El Chorro
<i>Lithodora fruticosa</i>	Shrubby Gromwell	Sierra del Pinar
<i>Nonea vesicaria</i>	Nonea	Laguna Dulce
<i>Pardoglossum</i> (<i>Cynoglossum</i>) <i>cheirifolium</i>	a Hound's-tongue	El Torcal
Brassicaceae	Cabbage Family	
<i>Arabis verna</i>	Early Rock-cress	El Torcal

Scientific name	Common name	Location
<i>Biscutella baetica</i> *	Andaluz Buckler Mustard	Hidden Valley
<i>Biscutella frutescens</i> *	Perennial Buckler Mustard	Puerto del Vienta
<i>Capsella bursa-pastoris</i>	Shepherd's Purse	Gargante Verde
<i>Cardamine hirsuta</i>	Hairy Bitter-cress	Grazalema
<i>Clypeola jonthlaspi</i>	Clypeola	Hidden Valley
<i>Cochlearia (Ionopsidium) prolongoi</i> *	-	Sierra de las Nieves
<i>Crambe filiformis</i>	Thin Sea-kale	Hidden Valley
<i>Erophila verna</i> subsp. <i>praecox</i>	Whitlow-grass	Hidden Valley
<i>Eruca vesicaria</i>	Rocket	Gargante Verde
<i>Hornungia petraea</i>	Hutchinsia	Puerta de Vienta
<i>Iberis</i> sp.	Candytuft	Near El Chorro
<i>Lobularia maritima</i>	Sweet Alison	Tajo de Molino
<i>Microthlaspi (Thlaspi) perfoliatum</i>	Perfoliate Penny-cress	Hidden Valley
<i>Moricandia moricandioides</i>	Purple Cabbage	Between El Burgo & Ardales
<i>Nasturtium officinale</i>	Water-cress	El Chorro
<i>Sinapis alba</i>	White Mustard	Ronda
Cactaceae	Cactus Family	
[<i>Opuntia ficus-indica</i>]	Barbary Fig or Prickly Pear	Ronda
Caprifoliaceae	Honeysuckle Family	
<i>Centranthus calcitrapa</i>	Annual Valerian	Ronda
<i>Fedia comucopiae</i>	Fedia	Near Las Mazas
<i>Lonicera arborea</i>	Tree Honeysuckle	Hidden Valley
<i>Lonicera implexa</i>	-	E of Grazalema
<i>Valeriana tuberosa</i>	Tuberous Valerian	Hidden Valley
Caryophyllaceae	Pink Family	
<i>Arenaria tetraquetra</i>	Spanish Sandwort	Sierra de las Nieves
<i>Cerastium fontanum</i>	Common Mouse-ear	Grazalema
<i>Cerastium glomeratum</i>	Sticky Mouse-ear	Gargante Verde
<i>Cerastium tomentosum</i>	Snow-in-Summer	El Torcal
<i>Dianthus boissieri</i>	a Pink	Hidden Valley
<i>Paronychia capitata</i>	a Paronychia	Hidden Valley
<i>Sagina procumbens</i>	Procumbent Pearlwort	Grazalema
<i>Silene colorata</i>	a Catchfly	Hidden Valley
<i>Silene latifolia</i>	White Campion	Mirador Guarda Forestal
<i>Silene vulgaris</i>	Bladder Campion	Hidden Valley
<i>Stellaria media</i>	Chickweed	Grazalema
Cistaceae	Rock-rose Family	
<i>Cistus albidus</i>	Grey-leaved Cistus	S of Grazalema
<i>Cistus laurifolius</i>	Laural-leaved Cistus	E of Grazalema
<i>Cistus monspeliensis</i>	Narrow-leaved Cistus	E of Grazalema
<i>Cistus populifolius</i>	Poplar-leaved Cistus	E of Grazalema (leaves)
<i>Cistus salvifolius</i>	Sage-leaved Cistus	E of Grazalema
<i>Fumana ericoides</i>	-	Sierra del Pinar
<i>Helianthemum apenninum</i>	White Rock-rose	Puerta de Vienta
<i>Tuberaria guttata</i>	Spotted Rock-rose	Hidden Valley
Compositae (Asteraceae)	Daisy Family	
<i>Anthemis chia</i>	-	Between Grazalema & Ubrique

Scientific name	Common name	Location
<i>Bellis perennis</i>	Daisy	Sierra del Pinar
<i>Bellis sylvestris</i>	Southern Daisy	Sierra del Pinar
<i>Calendula arvensis</i>	Field Marigold	Hidden Valley
<i>Calendula suffruticosa</i>	-	Gargante Verde
<i>Carduus pycnocephalus</i>	Plymouth Thistle	Laguna Dulce
<i>Centaurea calcitrapa</i>	Red Star Thistle	El Torcal
<i>Centaurea clementei</i> *	Clemente's Knapweed	Grazalema
<i>Centaurea pullata</i>	-	Between Grazalema & Ubrique
<i>Cynara cardunculus</i>	Cardoon	Between Grazalema & Ubrique
<i>Delairia odorata</i>	German Ivy	Hidden Valley
<i>Dittrichia viscosa</i>	Woody Fleabane	Sierra del Pinar
<i>Galactites tomentosa</i>	Galactites	Tajo de Molino
<i>Glebionis coronarium</i> var. <i>coronarium</i>	Crown Daisy	Near Malaga Airport
<i>Glebionis coronarium</i> var. <i>discolor</i>	Crown Daisy	Near Malaga Airport
<i>Glebionis segetum</i>	Corn Marigold	Hidden Valley
<i>Hedypnois rhagadioloides</i>	-	Hidden Valley
<i>Helichrysum stoechas</i>	Curry Plant	Sierra del Pinar
<i>Hyoseris radiata</i>	Hyoseris	Sierra del Pinar
<i>Lactuca virosa</i>	Great Lettuce	Grazalema
<i>Phagnalon saxatile</i>	Phagnalon	Gargante Verde
<i>Ptilostemon hispanica</i>	Spanish Thistle	Sierra del Pinar
<i>Rhagadiolus stellatus</i>	Star Hawkbit	Gargante Verde
<i>Reichardia intermedia</i>	Reichardia	Tajo de Molino
<i>Senecio petraeus</i>	a Ragwort	Grazalema
<i>Senecio vulgare</i>	Groundsel	Gargante Verde
<i>Silybum marianum</i>	Milk Thistle	El Torcal (leaves)
<i>Sonchus oleraceus</i>	Smooth Sow-thistle	Tajo de Molino
<i>Urospermum picroides</i>	a Urospermum	Ronda
Convolvulaceae	Bindweed Family	
<i>Convolvulus althaeoides</i>	Mallow-leaved Bindweed	Hidden Valley
<i>Convolvulus siculus</i> subsp. <i>siculus</i>	Small Blue Convolvulus	Cueva de las Piletas
<i>Cuscuta epithymum</i>	Dodder	Sierra del Pinar
Crassulaceae	Stonecrop Family	
<i>Crassula tilaea</i>	Mossy Stonecrop	Hidden Valley
<i>Sedum brevifolium</i>	Short-leaved Stonecrop	El Torcal
<i>Sedum dasyphyllum</i>	Fat-leaved Stonecrop	El Torcal
<i>Sedum sediforme</i>	Large Stonecrop	El Torcal
<i>Sedum sexangulare</i>	Tasteless Stonecrop	El Torcal
<i>Umbilicus rupestris</i>	Navelwort	El Torcal
Cucurbitaceae	White Bryony Family	
<i>Bryonia dioica</i>	White Bryony	Gargante Verde
<i>Ecballium elaterium</i>	Squirting Cucumber	Tajo de Molino
Ericaceae	Heath Family	
<i>Erica arborea</i>	Tree Heath	E of Grazalema
Euphorbiaceae	Spurge Family	
<i>Euphorbia characias</i> subsp. <i>characias</i>	Large Mediterranean Spurge	El Torcal
<i>Euphorbia exigua</i>	Dwarf Spurge	W of Montecorto

Scientific name	Common name	Location
<i>Euphorbia helioscopia</i>	Sun Spurge	Gargante Verde
<i>Euphorbia nicaeensis</i>	-	Hidden Valley
<i>Euphorbia peplus</i>	Petty Spurge	Ronda
<i>Mercurialis annua</i>	Annual Mercury	Gargante Verde
<i>Mercurialis tomentosa</i>	-	Sierra del Pinar
[<i>Ricinus communis</i>]	Castor Oil Plant	Near Malaga Airport
Fagaceae	Oak & Beech Family	
<i>Quercus coccifera</i>	Kermes Oak	Hidden Valley
<i>Quercus faginea</i>	Beech-leaved Oak	E of Grazalema
<i>Quercus ilex</i>	Holm oak	Hidden Valley
<i>Quercus suber</i>	Cork Oak	E of Grazalema
Geraniaceae	Geranium Family	
<i>Erodium cicutarium</i>	Common Stork's-bill	El Torcal
<i>Erodium malacoides</i>	Mallow-leaved Stork's-bill	Hidden Valley
<i>Erodium moschatum</i>	Musk Stork's-bill	Hidden Valley
<i>Erodium primulaceum</i>	a Stork's-bill	Between Grazalema & Ubrique
<i>Erodium recoderi</i> *	a Stork's-bill	Hidden Valley
<i>Geranium dissectum</i>	Cut-leaved Crane's-bill	Laguina Dulce
<i>Geranium lucidum</i>	Shining Crane's-bill	El Torcal
<i>Geranium molle</i>	Dove's-foot Crane's-bill	El Torcal
<i>Geranium purpureum</i>	Little Robin	Mirador Guarda Forestal
<i>Geranium rotundifolium</i>	Round-leaved Crane's-bill	Near El Chorro
Lamiaceae	Dead-nettle Family	
<i>Ballota pseudodictamnus</i>	Garden Horehound	Gargante Verde
<i>Lamium amplexicaule</i>	Henbit Deadnettle	Gargante Verde
<i>Lavandula lanata</i> *	Woolly Lavender	Sierra del Pinar
<i>Lavandula stoechas</i> subsp. <i>stoechas</i>	French Lavender	Sierra del Pinar
<i>Mentha x verticillata</i>	Apple Mint	El Chorro
<i>Phlomis purpurea</i>	Purple Phlomis	Near Las Mezas
<i>Rosmarinus officinalis</i>	Rosemary	Between El Burgo & Ardales
<i>Salvia argentea</i>	Silver Sage	Near Las Mezas (leaves)
<i>Salvia verbenaca</i>	Wild Clary	Gargante Verde
<i>Teucrium fruticans</i>	Shrub Germander	E of Grazalema
<i>Teucrium polium</i> agg.	Felty Germander	Sierra de las Nieves
<i>Thymus capitatus</i>	Capitate Thyme	Sierra de las Nieves
Leguminosae (Fabaceae)	Pea Family	
<i>Acacia retinodes</i>	Swamp Wattle	N of Malaga
<i>Anagyris foetida</i>	Bean Trefoil	Near Las Mezas
<i>Anthyllis cystoides</i>	Shrub Kidney-vetch	Near El Chorro
<i>Argyrolobium zanonii</i>	-	Puerto de Vienta
<i>Astragalus glauus</i>	a Milk-vetch	Gargante Verde
<i>Astragalus monspessulanus</i> subsp. <i>gypsophyllus</i>	a Milk-vetch	Near Las Mezas
<i>Bituminaria bituminosa</i>	Pitch Trefoil	Tajo de Molino
<i>Calycotome villosa</i>	Prickly Broom	Cueva de las Piletas
<i>Ceratonia siliqua</i>	Carob	Gargante Verde
[<i>Cercis siliquastrum</i>]	Judas Tree	Naturalised in Ronda
<i>Coronilla glauca</i>	-	Sierra del Pinar
<i>Coronilla juncea</i>	Rush-like Scorpion-vetch	Between El Burgo & Ardales

Scientific name	Common name	Location
<i>Coronilla repanda</i>	-	Hidden Valley
<i>Cytisus baeticus</i>	-	Hidden Valley
<i>Genista umbellata</i>	-	Puerto de Vienta
<i>Hippocrepis siliquosa</i>	-	Puerto de Vienta
<i>Hippocrepis squamata</i>	-	Hidden Valley
<i>Lathyrus aphaca</i>	Yellow Vetchling	E of Grazalema
<i>Lathyrus cicera</i>	-	Hidden Valley
<i>Lathyrus clymenum</i>	-	Hidden Valley
<i>Lathyrus ochrus</i>	Winged vetchling	Near Las Mezas
<i>Medicago arabica</i>	Spotted Medick	El Torcal
<i>Medicago polymorpha</i>	Toothed medick	Hidden Valley
<i>Ononis biflora</i>	-	Laguna Dulce
<i>Pisum sativum</i>	Wild Pea	E of Grazalema
<i>Retama (Lygos) monosperma</i>	Bridal Veil Broom	Sierra del Pinar
<i>Retama (Lygos) sphaerocarpa</i>	-	Near Las Mezas
<i>Scorpiurus muricatus</i>	Spiny Scorpion-vetch	Tajo de Molino
<i>Scorpiurus vermiculatus</i>	a Scorpion-vetch	E of Grazalema
<i>Spartium junceum</i>	Spanish Broom	Roadsides
<i>Trifolium scabrum</i>	Rough Clover	Gargante Verde
<i>Trifolium stellatum</i>	Starry Clover	E of Grazalema
<i>Trifolium subterraneum</i>	Burrowing Clover	El Torcal
<i>Tripodion tetraphyllum (Anthyllis tetraphylla)</i>	Bladder Vetch	Cueva de las Piletas
<i>Ulex (Stauracanthus) bovinii</i>	-	Sierra del Pinar
<i>Ulex parviflorus</i>	Small-flowered Gorse	Common
<i>Vicia peregrina</i>	-	Tajo de Molino
<i>Vicia sativa</i> subsp. <i>sativa</i>	Fodder Vetch	Tajo de Molino
<i>Vicia vicioides</i>	-	Tajo de Molino
Malvaceae	Mallow Family	
<i>Malva multiflora (Lavatera cretica)</i>	Small Tree Mallow	Ronda
<i>Malva sylvestris</i>	Common Mallow	Hidden Valley
Moraceae	Fig Family	
<i>[Broussonetia papyrifera] (Morus papyrifera)</i>	Paper Mulberry	Ronda
<i>[Ficus carica]</i>	Fig	Hidden Valley
Myrtaceae	Myrtle & Gum Family	
<i>[Eucalyptus camaldulensis]</i>	River Red Gum	N of Malaga
<i>[Eucalyptus globulus]</i>	Tasmanian Blue Gum	N of Malaga
<i>Myrtis communis</i>	Myrtle	Gargante Verde
Oleaceae	Olive Family	
<i>Fraxinus angustifolia</i>	Narrow-leaved Ash	Between El Burgo & Ardales
<i>Jasminum fruticans</i>	Jasmine	Cueva de las Piletas
<i>Ligustrum vulgare</i>	Wild Privet	El Torcal
<i>Olea europaea</i>	Wild Olive	Hidden Valley
<i>Phillyrea latifolia (P. media)</i>	Broad-leaved Phillyrea	Mirador Guarda Forestal
Orobanchaceae	Broomrape Family	
<i>Orobanche ballotae</i>	-	Cueva de las Piletas
<i>Orobanche gracilis</i>	Slender Broomrape	Hidden Valley
<i>Parentucellia latifolia</i>	a Bartsia	Mirador Guarda Forestal

Scientific name	Common name	Location
Oxalidaceae <i>[Oxalis pes-caprae]</i>	Wood-sorrel Family Bermuda Buttercup	El Chorro
Paeoniaceae <i>Paeonia broteri</i>	Peony Family a Peony	Puerto de Vienta
Papaveraceae <i>Fumaria capreolata</i> <i>Fumaria muralis</i> <i>Fumaria officinalis</i> <i>Fumaria parviflora</i> <i>Papaver dubium</i> <i>Papaver rhœas</i> <i>Platycapnos spicatus</i> <i>Rupicapnos africana</i>	Poppy Family White Ramping Fumitory Common Ramping Fumitory Common Fumitory Small-flowered Fumitory Long-headed Poppy Common Poppy - -	El Chorro Grazalema Tajo de Molino Tajo de Molino El Chorro Field margins Laguna Dulce Near El Chorro
Plantaginaceae <i>Antirrhinum barrelieri</i> <i>Antirrhinum graniticum</i> <i>Chaenorhinum villosum</i> <i>Linaria aeruginea*</i> <i>Linaria anticaria*</i> <i>Linaria platycalyx*</i> <i>Linaria tristis</i> <i>Plantago lagopus</i> <i>Plantago serraria</i> <i>Veronica beccabunga</i> <i>Veronica cymbalaria</i>	Plantain Family a Snapdragon a Snapdragon - a Toadflax a Toadflax a Toadflax a Toadflax Hare's-tail Plantain - Brooklime White Speedwell	Ronda Tajo de Molino Grazalema Puerto de Vienta El Torcal Cueva de las Piletas Hidden Valley Hidden Valley Near Las Mezas (leaves) El Chorro Sierra del Pinar
Polygalaceae <i>Polygala rupestris</i>	Milkwort Family Rock Milkwort	Sierra del Pinar
Polygonaceae <i>Rumex bucephaloflorus</i> <i>Rumex scutatus</i>	Dock Family Horned Dock French or Shield Dock	El Chorro Hidden Valley
Primulaceae <i>Anagallis arvensis (Red & Blue)</i> <i>Samolus valerandi</i>	Primrose Family Scarlet Pimpernel Brookweed	Near Las Mezas El Chorro (leaves)
Ranunculaceae <i>Clematis cirrhosa</i> <i>Ficaria verna</i> subsp. <i>ficariiformis</i> <i>Helleborus foetidus</i> <i>Ranunculus parviflorus</i> <i>Ranunculus spicatus</i> subsp. <i>blepharicarpos</i>	Buttercup Family Virgin's Bower Lesser Celandine Stinking Hellebore Small-flowered Buttercup Rock Buttercup	Hidden Valley Between Grazalema & Ubrique Sierra de las Nieves Hidden Valley Near El Chorro
Resedaceae <i>Reseda alba</i> <i>Reseda lutea</i> <i>Reseda phyteuma</i> <i>Reseda undata</i> subsp. <i>gayana (R. gayana)</i>	Mignonette Family White Mignonette Mignonette Corn Mignonette a Mignonette	El Chorro E of Grazalema Tajo de Molino Hidden Valley

Scientific name	Common name	Location
Rhamnaceae <i>Rhamnus alaternus</i>	Buckthorn Family Mediterranean Buckthorn	El Torcal
Rosaceae <i>Crataegus monogyna</i> <i>Prunus avium</i> [<i>Prunus dulcis</i>] <i>Prunus prostrata</i> <i>Prunus ramburii</i> <i>Prunus spinosa</i> <i>Rosa c.f. rubiginosa</i> <i>Rubus ulmifolius</i> <i>Sanguisorba minor</i> subsp. <i>minor</i>	Rose Family Hawthorn Wild Cherry Almond Prostrate Plum - Blackthorn Bramble Salad Burnet	Between Grazalema & Ubrique E of Grazalema Tajo de Molino Hidden Valley Sierra de las Nieves Roadsides Hidden Valley El Torcal Between El Burgo & Ardales
Rubiaceae <i>Galium aparine</i> <i>Galium verrucosum</i> <i>Plocama (Putoria) calabrica</i> <i>Rubia peregrina</i> <i>Sherardia arvensis</i>	Bedstraw Family Cleavers - Putoria Wild Madder Field Madder	Ronda Hidden Valley Sierra del Pinar Sierra del Pinar Near Las Mezas
Rutaceae [<i>Citrus aurantium</i>] [<i>Citrus limon</i>] [<i>Citrus sinensis</i>] <i>Ruta montana</i>	Rue Family Bitter Orange Lemon Orange Fringed Rue	Planted Planted Planted Hidden Valley
Santalaceae <i>Osyris alba</i> <i>Viscum cruciatum</i>	Sandalwood Family Osyris Red-berried Mistletoe	Hidden Valley Hidden Valley
Sapindaceae <i>Acer monspessulanum</i>	Maple Family Montpelier Maple	El Torcal
Saxifragaceae <i>Saxifraga biternata</i> * <i>Saxifraga bourgaeana</i> * <i>Saxifraga globulifera</i> * <i>Saxifraga granulata</i>	Saxifrage Family El Torcal Saxifrage a Saxifrage - Meadow Saxifrage	El Torcal (leaves) Hidden Valley Puerto de Vienta (leaves) Hidden Valley
Scrophulariaceae <i>Scrophularia sambucifolia</i> <i>Verbascum phlomoides</i> <i>Verbascum sinuatum</i>	Figwort Family Elder-leaved Figwort Orange Mullein -	Near Las Mezas Hidden Valley El Chorro
Simaroubaceae [<i>Ailanthus altissima</i>]	Tree of Heaven Family Tree of Heaven	Naturalised/suckering
Solanaceae <i>Hyoscyamus albus</i> <i>Mandragora autumnalis</i> <i>Nicotiana glauca</i>	Nightshade Family White Henbane Mandrake Shrub Tobacco	Ardales W of Montecorto Ardales

Scientific name	Common name	Location
<i>Solanum nigrum</i>	Black Nightshade	Cueva de las Piletas
Thymelaeaceae	Daphne Family	
<i>Daphne gnidium</i>	Mediterranean Mezereon	Between Grazalema & Ubrique
<i>Daphne laureola</i>	Spurge Laurel	Sierra de las Nieves
Urticaceae	Nettle Family	
<i>Parietaria judaica</i>	Pellitory-of-the-wall	Ronda
<i>Parietaria officinalis</i>	Large Pellitory-of-the-wall	Hidden Valley
<i>Urtica membranacea</i>	Membranous Nettle	Hidden Valley
<i>Urtica urens</i>	Small Nettle	Near Las Mezas
Violaceae	Violet Family	
<i>Viola demetria</i>	-	Sierra del Pinar

Monocots**Monocotyledons**

Amaryllidaceae	Amaryllis Family	
<i>Allium ampeloprasum</i>	Wild Leek	Ronda (in bud)
<i>Allium neapolitanum</i>	Naples Garlic	Hidden Valley
<i>Allium roseum</i>	Rosy Garlic	Nr. El Chorro
<i>Allium triquetrum</i>	Three-cornered Leek	El Chorro
<i>Narcissus assoanus</i> (<i>N. requienii</i>)	Rush-leaved Jonquil	Sierra del Pinar
<i>Narcissus bulbocodium</i>	Hooped-petticoat Daffodil	Between Grazalema & Ubrique
<i>Narcissus hispanicus</i> (<i>N. longispatus</i> , <i>N. bujei</i>)	Long-spathed Daffodil	Sierra de las Nieves
<i>Narcissus cantabricus</i>	White Hoop-petticoat Daffodil	Near El Chorro (in seed)
<i>Narcissus cuatrecasasii</i> * (<i>N. rupicola</i>)	Rock Jonquil	Hidden Valley
<i>Narcissus flavus</i> (<i>N. fernandesii</i>)	-	Between Grazalema & Ubrique
<i>Narcissus papyraceus</i>	Paper-white Daffodil	W of Montecorto
Araceae	Arum Family	
<i>Arisarum vulgare</i>	Friar's Cowl	Hidden Valley
Arecaceae	Palm Family	
<i>Chamærops humilis</i>	Dwarf Fan Palm	Gargante Verde
[<i>Phœnix canariensis</i>]	Canary Palm	El Chorro
Asparagaceae	Asparagus Family	
<i>Aphyllanthes monspeliensis</i>	Blue Aphyllanthes	Sierra del Pinar
[<i>Agave americana</i>]	Century Plant	Naturalised
<i>Asparagus acutifolius</i>	Sharp-leaved Asparagus	Hidden Valley
<i>Asparagus albus</i>	White-stemmed Asparagus	Hidden Valley
<i>Dipcadi serotinum</i>	Brown Bluebell	Near El Chorro
<i>Drimia (Urginea) maritima</i>	Sea Squill	Sierra del Pinar
<i>Hyacinthoides hispanica</i>	Spanish Bluebell	Hidden Valley
<i>Leopoldia comosa</i> (<i>Muscari comosum</i>)	Tassel Hyacinth	Hidden Valley
<i>Muscari neglectum</i>	Grape Hyacinth	El Torcal
<i>Ornithogalum baeticum</i>	a Star of Bethlehem	Sierra del Pinar
<i>Ornithogalum reverchonii</i> *	a Star of Bethlehem	Hidden Valley
<i>Ruscus aculeatus</i>	Butcher's Broom	Hidden Valley
<i>Scilla peruviana</i>	Giant Squill	Cueva de las Piletas

Scientific name	Common name	Location
Cyperaceae	Sedge Family	
<i>Carex flacca</i>	Glaucous Sedge	El Chorro
<i>Carex halleriana</i>	-	Hidden Valley
<i>Schoenus nigricans</i>	Black Bog-rush	Sierra del Pinar
Dioscoreaceae	Black Bryony Family	
<i>Dioscorea (Tamus) communis</i>	Black Bryony	Hidden Valley
Iridaceae	Iris Family	
<i>Gladiolus italicus</i>	Common Gladiolus	Cueva de las Piletas
<i>Iris foetidissima</i>	Stinking Iris	El Torcal (leaves)
[<i>Iris germanica</i>]	German or Bearded Iris	Naturalised in Ronda
<i>Iris planifolia</i>	Broad-leaved Iris	Puerto de Viento (over)
<i>Moraea sisyrrinchium</i>	Barbary Nut	Gargante Verde
<i>Romulea bulbocodium</i>	a Sand Crocus	Between Grazalema & Ubrique
Juncaeae	Rush Family	
<i>Luzula pilosa</i>	Hairy Woodrush	E of Grazalema
<i>Scirpoides holoschoenus</i>	Round-headed Clubrush	Between Grazalema & Ubrique
Liliaceae	Lily Family	
<i>Fritillaria lusitanica</i>	Portuguese Fritillary	Hidden Valley
<i>Gagea foliosa</i>	a Yellow Star of Bethlehem	Hidden Valley
Orchidaceae	Orchid Family	
<i>Cephalanthera longifolia</i>	Sword-leaved Helleborine	E of Grazalema
<i>Himantoglossum robertianum</i>	Giant Orchid	Near Las Mezas
<i>Neotinea tridentata</i> subsp. <i>conica</i> (<i>Orchis conica</i>)	a Toothed Orchid	Sierra de las Nieves
<i>Ophrys bombyliflora</i>	Bumblebee Orchid	Near Las Mezas
<i>Ophrys fusca</i> subsp. <i>fusca</i>	Sombre Bee Orchid	Gargante Verde
<i>Ophrys lutea</i>	Yellow Bee Orchid	Near Las Mezas
<i>Ophrys omegaifera</i> (<i>O. fusca</i> subsp. <i>omegaifera</i>)	Omega Orchid	Near Las Mezas
<i>Ophrys scolopax</i>	Woodcock Orchid	Between El Burgo & Ardales
<i>Ophrys speculum</i>	Mirror Orchid	Near Las Mezas
<i>Ophrys tenthredinifera</i>	Sawfly Orchid	Hidden Valley
<i>Orchis anthropophora</i>	Man Orchid	Near El Chorro
<i>Orchis italica</i>	Naked Man Orchid	Hidden Valley
<i>Orchis olbiensis</i>	an Early Purple Orchid	Sierra del Pinar
Poaceae	Grass Family	
<i>Anisantha diandra</i>	Great Brome	Hidden Valley
<i>Arundo donax</i>	Giant Reed	Near Malaga Airport
<i>Avena barbata</i>	Bristle Oat	Gargante Verde
<i>Bromus rubens</i>	Red Brome	Ronda
<i>Catapodium rigidum</i>	Fern Grass	Grazalema
<i>Cynosurus echinatus</i>	Rough Dog's-tail	Hidden Valley
<i>Hordeum murinum</i>	Wall Barley	Hidden Valley
<i>Lagurus ovatus</i>	Hare's-tail Grass	Hidden Valley
<i>Lamarckia aurea</i>	Lamarck's Golden Grass	Tajo de Molino
<i>Phragmites australis</i>	Common Reed	El Chorro
<i>Poa annua</i>	Annual Meadow Grass	Grazalema
<i>Stipa capensis</i>	a Feather Grass	Ronda

Scientific name	Common name	Location
Smilacaceae	Smilax Family	
<i>Smilax aspera</i>	Common Smilax	Sierra del Pinar
Xanthorrhoeaceae	Asphodel Family	
<i>Asphodelus aestivus</i>	Common Asphodel	Gargante Verde
<i>Asphodelus albus</i>	White Asphodel	Gargante Verde
<i>Asphodelus fistulosus</i>	Small Asphodel	Tajo de Molino
FUNGI		
<i>Trametes versicolor</i>	Turkey-tail	Sierra de las Nieves
LICHENS		
<i>Evernia prunastri</i>	On twigs everywhere	Sierra de las Nieves
<i>Parmelia sulcata</i>	On deciduous tree bark	E of Grazalema
<i>Pseudevernia furfuracea</i>	On conifer bark	Sierra del Pinar
<i>Ramalina farinacea</i>	On tree trunks	Sierra de las Nieves
<i>Xanthoria parietina</i>	On tree trunks	Hidden Valley

Birds (✓=recorded but not counted; H = heard only; LO = Leader Only)

	Common name	Scientific name	March						
			20	21	22	23	24	25	26
1	Mallard	<i>Anas platyrhynchos</i>					✓		
2	Red-crested Pochard	<i>Netta rufina</i>					✓		
3	Common Pochard	<i>Aythya farina</i>					✓		
4	White-headed Duck	<i>Oxyura leucocephala</i>					✓		
5	Alpine Swift	<i>Tachymarptis melba</i>							✓
6	Common Cuckoo	<i>Cuculus canorus</i>						H	
7	Rock Dove	<i>Columba livia</i>					✓		
8	Rock Dove [Feral]	<i>Columba livia feral</i>	✓	✓	✓	✓	✓	✓	✓
9	Common Wood Pigeon	<i>Columba palumbus</i>		✓					
10	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	✓			✓	✓		✓
11	Common Moorhen	<i>Gallinula chloropus</i>					✓		
12	Eurasian Coot	<i>Fulica atra</i>					✓		
13	Little Grebe	<i>Tachybaptus ruficollis</i>					✓		
14	Great Crested Grebe	<i>Podiceps cristatus</i>					✓		
15	Black-necked Grebe	<i>Podiceps nigricollis</i>					✓		
16	Greater Flamingo	<i>Phoenicopterus roseus</i>					✓		
17	Black-winged Stilt	<i>Himantopus himantopus</i>					✓		
18	Northern Lapwing	<i>Vanellus vanellus</i>					✓		
19	European Ringed Plover	<i>Charadrius hiaticula</i>					✓		
20	Common Snipe	<i>Gallinago gallinago</i>					✓		
21	Yellow-legged Gull	<i>Larus michahellis</i>					✓		
22	White Stork	<i>Ciconia ciconia</i>				✓			
23	Great Cormorant	<i>Phalacrocorax carbo</i>							✓
24	Glossy Ibis	<i>Plegadis falcinellus</i>					✓		
25	Grey Heron	<i>Ardea cinerea</i>					✓		
26	Little Egret	<i>Egretta garzetta</i>					✓		
27	Griffon Vulture	<i>Gyps fulvus</i>	✓	✓	✓		✓	✓	✓
28	Short-toed Snake Eagle	<i>Circaetus gallicus</i>			✓				
29	Eurasian Sparrowhawk	<i>Accipiter nisus</i>					✓		

	Common name	Scientific name	March						
			20	21	22	23	24	25	26
30	Western Marsh Harrier	<i>Circus aeruginosus</i>	✓				✓		
31	Common Buzzard	<i>Buteo buteo</i>					✓		✓
32	Eurasian Scops Owl	<i>Otus scops</i>						H	H
33	Tawny Owl	<i>Strix aluco</i>					H		
34	Eurasian Hoopoe	<i>Upupa epops</i>	✓				✓		
35	European Green Woodpecker	<i>Picus viridis</i>		✓					
36	Common Kestrel	<i>Falco tinnunculus</i>			✓	✓	✓		
37	Peregrine Falcon	<i>Falco peregrinus</i>					✓		
38	Eurasian Jay	<i>Garrulus glandarius</i>				✓			
39	Red-billed Chough	<i>Pyrrhocorax pyrrhocorax</i>			✓	✓	✓	✓	✓
40	Carrion Crow	<i>Corvus corone</i>						✓	✓
41	Northern Raven	<i>Corvus corax</i>		✓				H	
42	Coal Tit	<i>Parus ater</i>		✓	H	✓		H	
43	Great Tit	<i>Parus major</i>		✓	✓	✓	✓	✓	✓
44	Eurasian Blue Tit	<i>Cyanistes caeruleus</i>		✓	✓	✓	✓	✓	✓
45	Crested Lark	<i>Galerida cristata</i>	✓				✓	✓	
46	Eurasian Skylark	<i>Alauda arvensis</i>	LO						
47	Barn Swallow	<i>Hirundo rustica</i>	✓	✓	✓	✓	✓	✓	✓
48	Eurasian Crag Martin	<i>Ptyonoprogne rupestris</i>			✓	✓	✓	✓	
49	Common House Martin	<i>Delichon urbicum</i>		✓			✓	✓	
50	Cetti's Warbler	<i>Cettia cetti</i>					H		
51	Long-tailed Tit	<i>Aegypius caudatus</i>							✓
52	Western Bonelli's Warbler	<i>Phylloscopus bonelli</i>				H			H
53	Eurasian Blackcap	<i>Sylvia atricapilla</i>		H	H	✓	✓	H	H
54	Sardinian Warbler	<i>Sylvia melanocephala</i>		✓	✓	✓		✓	
55	Eurasian Wren	<i>Troglodytes troglodytes</i>					✓	✓	✓
56	Eurasian Nuthatch	<i>Sitta europaea</i>							✓
57	Short-toed Treecreeper	<i>Certhia brachydactyla</i>				✓			
58	Spotless Starling	<i>Sturnus unicolor</i>	✓	✓	✓	✓	✓	✓	✓
59	Common Blackbird	<i>Turdus merula</i>	✓	✓	✓	✓	✓	✓	✓
60	Mistle Thrush	<i>Turdus viscivorus</i>					✓	✓	
61	European Robin	<i>Erithacus rubecula</i>	✓				H		
62	Black Redstart	<i>Phoenicurus ochruros</i>		✓	✓		✓		
63	European Stonechat	<i>Saxicola rubicola</i>		✓	✓		✓		✓
64	Black Wheatear	<i>Oenanthe leucura</i>			✓		✓	✓	
65	Blue Rock Thrush	<i>Monticola solitarius</i>			✓	✓	✓		
66	House Sparrow	<i>Passer domesticus</i>	✓	✓	✓	✓	✓	✓	✓
67	Grey Wagtail	<i>Motacilla cinerea</i>					✓		
68	White Wagtail	<i>Motacilla alba</i>						✓	
69	Common Chaffinch	<i>Fringilla coelebs</i>	✓	✓	✓	✓	✓	✓	✓
70	European Serin	<i>Serinus serinus</i>	✓	✓	✓		✓		
71	European Greenfinch	<i>Chloris chloris</i>					✓	H	H
72	European Goldfinch	<i>Carduelis carduelis</i>	✓	✓	✓	✓	✓	✓	✓
73	Common Linnet	<i>Linaria cannabina</i>			✓				
74	Corn Bunting	<i>Emberiza calandra</i>	✓	✓	✓	H	✓	✓	
75	Rock Bunting	<i>Emberiza cia</i>		✓	✓				
76	Ortolan Bunting	<i>Emberiza hortulana</i>							✓

	Common name	Scientific name	March						
			20	21	22	23	24	25	26

Mammals

1	Greater Mouse-eared Bat	<i>Myotis myotis</i>						✓	
2	Spanish Ibex	<i>Capra pyrenaica</i>		✓				✓	
3	Rabbit	<i>Oryctologus cuniculatus</i>						✓	

Amphibians & Reptiles

1	Iberian Wall Lizard	<i>Podarcis hispanica</i>						✓	
2	Large Psammodromus	<i>Psammodromus algirus</i>		✓	✓	✓		✓	✓
3	European Pond Terrapin	<i>Emys orbicularis</i>						✓	

Butterflies (C = Caterpillar)

1	Swallowtail	<i>Papilio machaon</i>		✓				✓	
2	Scarce Swallowtail	<i>Iphiclides podalirius</i>			✓			✓	
3	Spanish Festoon	<i>Zerynthia rumina</i>		✓	✓			✓	✓
4	Black-veined White	<i>Aporia crataegi</i>			C				
5	Large White	<i>Pieris brassicae</i>				✓			✓
6	Small White	<i>Pieris rapae</i>					✓		
7	Western Dappled White	<i>Euchloe crameri</i>		✓	✓		✓	✓	✓
8	Orange Tip	<i>Anthocaris cardamines</i>						✓	
9	Provence or Moroccan Orange Tip	<i>Anthocaris euphenoides</i>		✓	✓			✓	
10	Clouded Yellow	<i>Colias crocea</i>		✓	✓			✓	
11	Brimstone	<i>Gonepteryx rhamni</i>						✓	
12	Cleopatra	<i>Gonepteryx cleopatra</i>						✓	
13	Provence Hairstreak	<i>Tomares ballus</i>			✓			✓	
14	Small Copper	<i>Lycaena phlaeas</i>		✓	✓			✓	✓
15	Black-eyed Blue	<i>Glaucopsyche melanops algirica</i>		✓				✓	✓
16	Brown Argus	<i>Aricia agrestis cramera</i>			✓			✓	
17	Adonis Blue	<i>Lysandra bellargus</i>			✓				
18	Common Blue	<i>Polyommatus icarus</i>			✓				
19	Large Tortoiseshell	<i>Nymphalis polychloros</i>				✓		✓	
20	Red Admiral	<i>Vanessa atalanta</i>				✓	✓	✓	
21	Painted Lady	<i>Vanessa cardui</i>			✓	✓	✓	✓	✓
22	Small Heath	<i>Coenonympha pamphilus</i>		✓	✓		✓	✓	✓
23	Speckled Wood	<i>Pararge aegeria aegeria</i>		LO	✓			✓	
24	Wall Brown	<i>Lasiommata megera</i>		✓	✓			✓	
25	Large Wall Brown	<i>Lasiommata maera</i>			✓			✓	

Micro Moths

1	Bagworm sp.			C	✓				
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Macro Moths (B = Bivouac)

1	Grass Eggar	<i>Lasiocampa trifolii</i>							C
2	Oak Eggar	<i>Lasiocampa quercus</i>					C		
3	Yellow Belle	<i>Semiaspilates ochrearia</i>						✓	
4	Pine Processionary Moth	<i>Thaumetopoea pityocampa</i>		C	B	B	B	B	B
5	Humming-bird Hawk-moth	<i>Macroglossum stellatarum</i>			✓		✓		
6	Discrete Chaperon	<i>Cymbalophora pudica</i>							C

	Common name	Scientific name	March							
			20	21	22	23	24	25	26	
7	Cream-spot Tiger Moth	<i>Arctia villica</i>							LO	
8	Noctuid	<i>Raphia hybris</i>							✓	✓

Other Invertebrates (N = Nymph; D = Dead)

1	Common Blue-tail	<i>Ischnura elegans</i>					✓		
2	'Toad' Grasshopper	<i>Pamphagidae</i> sp.	✓	✓					
3	Praying Mantis	<i>Mantis religiosa</i>	N						O
4	Bee Fly	<i>Bombylius major</i>			✓		✓		
5	St. Mark's Fly	<i>Bibio marci</i>				✓		✓	
6	Wood Ant	<i>Formica rufa</i>	✓	✓			✓	✓	
7	Hornet	<i>Vespa crabro</i>					✓		
8	European Paper Wasp	<i>Polistes gallicus</i>					✓		
9	a Carpenter Bee	<i>Xylocopa</i> sp.	✓				✓	✓	✓
10	Honey Bee	<i>Apis mellifera</i>		✓			✓	✓	✓
11	White-tailed Bumble Bee	<i>Bombus lucorum</i>	✓	✓			✓		
12	Buff-tailed Bumble Bee	<i>Bombus terrestris</i>	✓	✓			✓		
13	Horned Dung Beetle	<i>Copris lunaris</i>							LO
14	a Chafer	<i>Oxythera funesta</i>		✓					
15	7 Spot Ladybird	<i>Coccinella 7-punctata</i>					✓		
16	Oil Beetle	<i>Meloe proscarabaeus</i>		✓					
17	False Blister Beetle	<i>Ischnomera cyanaea</i>	✓						
18	Leaf Beetle	<i>Clytra quadripunctata</i>					✓		
19	Giant Centipede	<i>Scolopendra cingulatus</i>			D				
20	Harvestman	<i>Opilones</i> sp.	✓	✓			✓		
21	Wasp Spider	<i>Argiope bruennichi</i> .							✓
22	Crab Spider	<i>Misumena vatia</i>	✓						
23	Crab Spider	<i>Thomisus onustus</i>		✓			✓		

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