Spain - Spring Flowers of Western Andalucia

Naturetrek Tour Report

13 - 20 March 2018



Ophrys scolopax



Narcissus bulbocodium



Narcissus cantabricus

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Report & photos by Paul Harmes



Tour participants: Paul Harmes (leader) and eight Naturetrek clients

Day 1

Tuesday 13th March

Fly London Gatwick to Malaga - Transfer to Ronda area

Eight tour group members met with Paul at Gatwick Airport's North Terminal, for the Easyjet flight, EZY8605, to Malaga. Upon our arrival, we made our way to our hire vehicle, 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, Barn Swallows, Crested Larks, Griffon Vultures and Short-toed Snake Eagle 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 Paul gave a brief outline of the plans for the next day, before we went into the dining room for dinner.

Day 2

Wednesday 14th March

Grazalema - Sierra del Pinar - Gargante Verde

After a good breakfast, we drove down towards Montejaque, stopping at the Cerro de la Tavizna, to examine some old arable fields and cistus scrub. Here we found a wonder display of *Narcissus flavus*, with several hundred spikes. In addition, there was *Fedia cornucopiae* (Fedia), *Calendula arvensis* (Field Marigold), *Bellis sylvestris* (Southern Daisy) and *Lamium amplexicaule* (Henbit Dead-nettle). In some cistus scrub we found *Himantoglossum robertianum* (Giant Orchid), *Pistacia lentiscus* (Mastic Bush) and last year's dead spikes of *Echium boissieri* (Boissier's Viper's-bugloss), and on an adjacent verge, we added *Ophrys fusca* subsp. *fusca* (Sombre Bee Orchid), *Erodium cicutarium* (Common Stork's-bill) and *Viscum cruciatum* (Red-berried Mistletoe), growing in a *Crataegus monogyna* (Hawthorn). A good number of low-flying Griffon Vultures and some Northern Ravens were also recorded.

Retracing our route back past the hotel to the Seville road, we turned 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 and Goldfinch. We continued through the town and onwards a short distance, to the car park at the start of our proposed walk in the Sierra del Pinar. As we arrived, a small group of Spanish Ibex were seen on a bank. There were several females and a couple of young males. After parking, some group members went to photograph the Ibex, before setting off on a walk. The cloud was very low, and it had started to rain and sleet quite heavily.

We now began to ascend the path, finding 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). At this point, Paul decided that the

view at the saddle would be obscured by the low cloud, and given the conditions, we aborted the walk and rejoined our vehicle.

Leaving the car park, we drove on up and over the 'Puerto de las Palomas' (Pass of the Doves), where we began the descent towards Zahara. Along the way, we made a stop on the north side of the Mirador de las Acebuches. Here we admired *Orchis olbiensis* (an Early Purple Orchid), *Astragalus lusitanicus* (a Milk-vetch), *Romulea bulbocodium* (Sand Crocus), and *Viburnum tinus* (Laurustinus).

We now moved on to the car park at the 'Garganta Verde'. Here, we saw *Narcissus assoanus* (Rush-leaved Jonquil) and more *Orchis olbiensis* (an Early Purple Orchid and *Ophrys tenthredinifera* (Sawfly Orchid) on the road verge, whilst Paul prepared lunch. After eating, we set off along the track. Here we found *Ophrys fusca* subsp. *fusca* (Sombre Bee Orchid), *Ulex parviflorus* (Small-flowered Gorse), *Ceratonia siliqua* (Carob) and *Myrtis communis* (Myrtle). Our objective was a viewpoint overlooking the gorge where, on the cliffs, there is a large population of Griffon Vultures, some of which were sat on rock ledges. *Vinca difformis* (Intermediate Periwinkle), *Olea europaea* (Wild Olive) and the leaves of *Arisarum vulgare* (Friar's Cowl) and *Juniperus phoenicea* (Phoenician Juniper) were also added.

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 more *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. The second was a verge, below the walls of the village of Zahara. Here, we added *Ecballium elaterium* (Squirting Cucumber), *Mandragoria autumnalis* (Mandrake), in fruit and *Ophrys bombyliflora* (Bumblebee Orchid).

Dodging more rain, we made our final stop on a scrubby bank near Las Mezas. *Aristolochia paucinervis* (a Birthwort), *Ophrys omegaifera* (Omega Bee Orchid), *Salvia verbenaca* (Wild Clary) and *Retama monosperma* (Bridal Veil) were all added. Serins were also very active here.

From here, we set off to our hotel for warming refreshments and to freshen up for dinner. Tonight, we ate in the Bar-Restaurant El Tropezon in the village of Monte Corto, as our hotel closes its kitchen two nights a week.

Day 3

Thursday 15th March

El Burgo – Ardales – El Chorro

Today began wet but, by the time we had completed breakfast, the rain had stopped, and the cloud slowly began to lift. As we travelled, via Ronda, towards the village of El Burgo. We first pasted over the Puerto del Vienta (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, together with *Hornungia petraea* (Hutchinsia), *Viola demetria*, emerging *Paeonia broteroi* (Peony) and several clumps of the endemic *Biscutella frutescens* (Perennial Buckler Mustard). At the base of some rocks, there was *Umbilicus rupestris* (Navelwort) and some *Crataegus monogyna* (Hawthorn) bushes which had been infested with *Viscum cruciatum* (Red-berried Mistletoe). Red-billed Choughs were seen patrolling a distant cliff face, and Southern Grey Shrike was 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) and *Asparagus albus* (White Asparagus).

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 *Ophrys scolopax* (Woodcock orchid), *Moricandia moricandioides, Muscari neglecta, Ophrys tenthredinifera* (Sawfly Orchid) and *Pistacia lentiscus* (Mastic Bush). As we continued small flocks of Goldfinch and Serin were seen, as well as a mixed flock of House Martins and Sand 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), *Narcissus cantabricus* (White Hoop-petticoat Daffodil), *Ophrys speculum* (Mirror Orchid), *Romulea ramiflora* (a Sand Crocus), *Anacamptis collina* (Fan-lipped Orchid), *Cistus albidus* (Grey-leaved Cistus), *Dipcadi serotina* (Brown Bluebell) and *Muscari neglectum* (Grape Hyacinth). Birds included Great Tit, Blackbird, Serin and Chaffinch.

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

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 *Adiantum capillus-veneris* (Maidenhair Fern), *Crambe filiformis* (Thin Sea Kale), *Samolus valerandi* (Brookweed) and the leaves of *Convolvulus altheoides* (Mallow-leaved Bindweed). At this point we made our way to a small café for refreshments. Whilst enjoying our drinks we noted occasional soaring Griffon Vultures and heard Garden Warbler and Blackcap. It was now time to make our way back to Ronda, in time to freshen up for dinner.

Day 4

Friday 16th March

Ubrique and Grazalema

Following another fine breakfast, we set off, once again towards the Parque Natural Sierra de Grazalema, making our way towards Grazalema. Along the way we saw Jay, Corn Buntings and Crested Larks. We made our first stop of the day on the road to the east of Grazalema, finding emerging *Teucrium fruticans* (Shrub Germander), *Quercus suber* (Cork Oak), *Cistus laurifolius* (Laurel-leaved Cistus) and *Quercus faginea* (Beech-leaved Oak).

On the outskirts of Grazalema, we turned onto the A374, in the direction of the small town of Ubrique, making our next stop at the Ejido del Puerto de Pedro Ruiz, to examine a wide, wet road verge. Here we were greeted by a wonderful stand of *Narcissus bulbocodium* (Hoop-petticoat Daffodil). In addition, there was *Centaurea pullata* (a Knapweed), *Romulea bulbocodium* and the rosettes of *Cynara cardunculus* (Cardoon) thistles. House Sparrow and Meadow Pipit were seen as well.

We now moved on a little further to the village of Villaluenga del Rosario, where we parked on the southwest side, to explore the roadside cliffs. *Calendula suffruticosa* (a Marigold), the leaves of *Acanthus mollis* (Bear's-breech), *Ruta chalepensis* (Rue), the endemic *Ornithogalum reverchonii* (Star of Bethlehem), *Narcissus papyraceus* (Paper-white Daffodil) and *Iris planifolia* (Broad-leaved Iris) were all found. There was also a small number of Griffon Vultures circling.

Next, a little further down the road, we stopped at the Mirador El Cintillo y Aguas Nueves, to look at more limestone cliffs. Here we added *Sedum brevifolium* (Small-leaved Stonecrop), *Himantoglossum robertianum* (Giant Orchid), *Orchis olbiensis*, and a fine display of *Narcissus cuatrecasasii* (Rock Jonquil). Sardinian Warbler, Black Redstart and more Griffon Vultures also put in appearances.

At this point, we began to make our way back towards Grazalema, and the picnic site Areade Descanso de la Covazuela. Howerver, as we were driving, one sharp eyed group member spotted another wet field with *Narcissus* in it. These, again, proved to be a second colony of *Narcissus bulbocodium* (Hoop-petticoat Daffodil).

After lunch, during which we had a hail shower, we made our way to the outskirts of Grazalema, where we parked on the south side of the village. The plan was to explore the broad road verge. A few Red-billed Chough were seen together with Serin, Rock Bunting and Stonechat. Along the verge, we found a good display of *Narcissus papyraceus* (Paper-white Daffodil), *Ophrys tenthredinifera* (Sawfly Orchid) and *Fedia cornucopiae* (Fedia), before heading into the village for refreshments.

Our final stop was near Montecorto, where we looked at another fine display of *Narcissus papyraceus* (Paper-white Daffodil), our third of the day. Here, we also saw *Ophrys fusca* subsp. *fusca* (Sombre Bee Orchid), *Anagyris foetida* (Bean Trefoil) and *Ophrys bombyliflora* (Bumblebee Orchid), before heading back to the hotel

Day 5

Saturday 17th March

Sierra de las Nieves and Ronda

A grey, 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 *Narcissus assoanus* (Rush-leaved Jonquil) and *Orchis olbiensis* (an Early Purple Orchid). 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 heavy rain, we waited for the cloud to clear long enough for us to see the stand of splendid *Abies pinsapo* (Spanish Fir) scattered across the hillside. Once again, due to the inclement weather, Paul decide to abort the proposed walk, on safety grounds. We now began to make our way out of the park, but not before taking advantage of brief respites in the rain to photograph the *Narcissus assoanus* (Rush-leaved Jonquil) and *Helleborus foetidus* (Stinking Hellebore).

We drove back to Ronda, parking in the car park on the north side of the town. We then walked down though the pedestrian precinct to the cliff-edge walk. However, the police had closed it due to the adverse weather conditions. After taking lunch in a small restaurant, Paul left us to explore Ronda at our leisure, before collecting us from a pre-arranged spot to return to the Hotel for dinner.

Day 6

Sunday 18th March

El Torcal – Laguna Dulce – Tajo del Molino

After a wet night, we were greeted by continuous heavy rain, and it was still falling when 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. By now the rain was easing, and there were breaks in the cloud. 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. Low cloud shrouded the area and created a rather atmospheric feeling.

Morning coffee was taken at visitor centre, before we set off for a walk, to explore the 'Karst' limestone structures. Rock Bunting, Robin, Black Redstart and Ring Ouzel were seen along the path. Walking one of the circular tracks, we found *Euphorbia characias* subsp. *characias* (Mediterranean Spurge) and a clump of the endemic *Linaria anticaria* (a Toadflax), sadly not yet flowering. We also saw the leaves of *Saxifraga biternata* (El Torcal Saxifrage), another local endemic, *Himantoglossum robertianum* (Giant Orchid) and *Ruscus aculeatus* (Butcher's-broom) were all noted. The highlight of the morning was an encounter with a group of Spanish Ibex, grazing and browsing close by.

Beginning our journey back towards Ronda, we made a stop at Laguna Dulce, near Campillos. The rain had all but stopped, and 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, Shoveler, Coot, Black-necked Grebe, and Marsh Harrier. Around the margins there was Cetti's Warbler, Hoopoe and White Wagtail. On the track verge we found *Nonea vesicaria* (Nonea), *Calendula suffruticosa, Platycapnos spicata* and *Erodium malacoides*.

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 Griffon Vulture.

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

Day 7

Monday 19th March

Cerro de Tavizna - Montejaque - Cueva de la Pileta

After breakfast, we left the hotel on a cloudy, but bright, morning and drove down towards Montejaque, parking below the Cerro de la Tavisna, to explore a rocky verge. This produced *Orchis olbiensis* (an Early Purple Orchid), *Vinca difformis* (Intermediate Periwinkle), *Saxifraga granulata* (Meadow Saxifrage), *Linaria tristis* (a Toadflax), the rosettes of *Saxifraga globulifera* and *Ranunculus macrophyllus* (Large-leaved Buttercup). Blackcap was heard, and Griffon Vulture and Red-billed Chough were seen.

Moving on 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). Blackbird, Great Tit, Barn Swallow, Blackcap and Griffon Vultures were also seen. As it was a bright morning, we set off to walk up the valley, admiring the karst limestone Mountains as they went. Continuing to scan the sky, it was not long before Red-billed Chough, Stonechat, Chaffinch, Rock Bunting and Blue Rock Thrush were added. As we walked, we recorded *Orchis olbiensis* (an Early Purple Orchid), *Erodium primulaceum* (a Stork's-bill), *Clematis cirrhosa* (Maiden's Bower) and *Viscum cruciata* (Red-berried Mistletoe). At the top of the track, Paul parked the bus, where there was another outcrop of rocks, finding *Narcissus cuatrecasasii* (Rock Jonquil), at eye level. The cloud had now begun to gather and lower, a steady drizzle began to fall. Re-joining the vehicle, we made our descent. Along the way we saw several Black Wheatears and Rock Buntings, as well as a solitary Cirl Bunting. As it was lunch time, we made our way into Montejaque for something to eat.

After eating, we paused at an arable margin, just outside the town, where we saw Lathyrus tingitana (Tangier Pea), Lathyrus annuus (Annual Pea) and Lathyrus chymenum, before making our way down to Barriada de la Estacion, by Jimera de libar. Here, we explored some roadside woodland. Cistus albidus (Grey-leaved Cistus), Anemone palmata (a Yellow Anemone) and Teucrium fruticans (Shrub Germander) were all present, and Robin and Crested Tit were heard.

The recent inclement weather caused hold-ups in the northerly migration of many large birds. At Barriada, we witnessed a small group of birds that had chosen to make the jump from North Africa. Among them, were several Black Kites, a pair of Booted Eagles, a male Montagu's Harrier and a rare Black-winged Kite.

It was now time to make our way back towards Benaojan, and the car park at the 'Cueva de la Pileta' caves, in order to visit this site of ancient wall paintings, thought to be in the region of thirty thousand years old. We did record *Calycotome villosa* (Prickly Broom), but the now continuous rain restricted further exploration.

With the visit complete, we now made our way back to the hotel in time to pack before dinner.

Day 8

Tuesday 20th March

Transfer from Ronda to Malaga - Fly to UK & other Destinations

After an early breakfast, we said out farewells to Elisenda and Pedro and thanked them and their staff for 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.

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Iberian Ibex in the mist

Species Lists

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

Please Note: 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	Lesser Clubmoss Family	
Selaginella denticulata	Mediterranean Clubmoss	Between El Burgo & Ardales
Calamophytes	Horsetails	
Equisetaceae	Horsetail Family	
Equisetum hyemale	Dutch Rush	El Chorro
Leptosporangiate Ferns	True Ferns	
Aspleniaceae	Spleenwort Family	
Asplenium ceterach	Rustyback	Gargante Verde
Polypodiaceae	Polypody Family	
Polypodium cambricum	Southern Polypody	Ei Torcal
Pteridaceae	Ribbon Fern Family	
Adiantum capillus-veneris	Maidenhair Fern	El Chorro
Anogramma leptophylla	Jersey Fern	Cueva de la Pileta
Cheilanthes pteridioides	Scented Cheilanthes	Mirador Guada Forestal
GYMNOSPERMS	CONIFERS	
Cupressaceae	Juniper Family	
[Cupressus macrocarpa]	Monterey Cypress	Below Grazalema
[Cupressus sempervirens]	Italian Cypress	Planted
Juniperus oxycedrus	Prickly Juniper	Between El Burgo & Ardales
Juniperus phoenicea subsp. phoenicea	Phoenician Juniper	Gargante Verde
Pinaceae	Pine Family	
Abies pinsapo	Spanish Fir	Sierra de las Nieves
ANGIOSPERMS	FLOWERING PLANTS	
Pre-dicots	Primitive Angiosperms	
Aristolochiaceae	Birthwort Family	
Aristolochia baetica	a Birthwort	Near El Chorro
Aristolochia paucinervis	a Birthwort	Las Mezas

Eu-dicots

Acanthaceae Acanthus mollis

Adoxaceae Viburnum tinus

Anacardiaceae Pistacia lentiscus

Apiaceae Berula erecta Bupleurum spinosum Ferula communis

Apocynaceae Nerium oleander Vinca difformis

Araliaceae Hedera helix agg.

Boraginaceae Borago officinalis Cerinthe major var. purpurescens Cynoglossum clandestinum Echium albicans Echium boissieri Echium plantagineum Nonea vesicaria Pardoglossum (Cynoglossum) cheirifolium

Brassicaceae Cardamine hirsuta Clypeola jonthlaspi Crambe filiformis Erophila verna subsp. praecox Eruca vesicaria Hornungia petraea Iberis sp. Lobularia maritima Microthlaspi (Thlaspi) perfoliatum Moricandia moricandioides

Cactaceae [Opuntia ficus-indica]

Caprifoliaceae Fedia cornucopiae Lonicera arborea Lonicera implexa

Common name

True Dicotyledons

Bear's-breech Family Bear's-breech

Moschatel Family Laurustinus

Sumach Family Mastic Bush

Carrot Family Lesser Water-parsnip Spiny Hare's-ear Giant Fennel

Periwinkle Family Oleander Intermediate Periwinkle

Ivy Family Ivy

Forget-me-not Family Borage Greater Honeywort a Hound's-tongue

Boissier's Viper's-bugloss Purple Viper's-bugloss Nonea a Hound's-tongue

Cabbage Family

Hairy Bitter-cress Clypeola Thin Sea-kale Whitlow-grass Rocket Hutchinsia Candytuft Sweet Alison Perfoliate Penny-cress Purple Cabbage

Cactus Family Barbary Fig or Prickly Pear

Honeysuckle Family Fedia Tree Honeysuckle Location

S of Villaluenga del Rosario

Below Mirador de las Acebuches

Gargante Verde

El Chorro Sierra del Pinar Common

Naturalised Gargante Verde

El Torcal

El Chorro Below Zahara Below Zahara Near El Chorro (leaves) Common on raodsides Common on raodsides Laguna Dulce Tajo del Molino

Near Villaluenga del Rosario Tajo del Molino El Chorro Between Ronda & El Burgo Near El Chorro Between Ronda & El Burgo Near El Chorro Mirador Guada Forestal Between Ronda & El Burgo Between El Burgo & Ardales

Planted

Cerro de la Tavizna El Torcal El Torcal Caryophyllaceae Cerastium tomentosum

Cistaceae

Cistus albidus Cistus laurifolius Cistus monspeliensis Fumana ericoides Tuberaria echioides

Compositae (Asteraceae)

Bellis sylvestris Calendula arvensis Calendula suffruticosa Centaurea pullata Cynara cardunculus Dittrichia viscosa Glebionis coronarium var. discolor Hyoseris radiata Hyoseris scabra Phagnalon saxatile Ptilostemon hispanica Reichardia intermedia Sencio vulgare Silybum marianum

Convolvulaceae Convolvulus althaeoides

Crassulaceae Sedum album

Sedum brevifolium Sedum sediforme Sedum sexangulare Umbilicus rupestris

Cucurbitaceae Bryonia dioica Ecballium elaterium

Euphorbiaceae Euphorbia characias subsp. characias Euphorbia exigua Euphorbia nicaeensis

Fagaceae

Quercus coccifera Quercus faginea Quercus ilex Quercus suber

Common name

Pink Family Snow-in-Summer

Rock-rose Family Grey-leaved Cistus

Narrow-leaved Cistus

a Spotted Rock-rose

Daisy Family

Southern Daisy Field Marigold

-Cardoon Woody Fleabane Crown Daisy Hyoseris

Phagnalon Spanish Thistle Reichardia Groundsel Milk Thistle

Bindweed Family Mallow-leaved Bindweed

Stonecrop Family White Stonecrop Short-leaved Stonecrop Large Stonecrop Tasteless Stonecrop Navelwort

White Bryony Family White Bryony Squirting Cucumber

Spurge Family Large Mediterranean Spurge Dwarf Spurge

Oak & Beech Family Kermes Oak Beech-leaved Oak Holm oak Cork Oak

Location

El Torcal

Near El Burgo E of Grazalema (not in flower) Cerro de la Tavisna (not in flower) Near El Chorro Between El Burgo & Ardales

Cerro de la Tavizna Cerro de la Tavizna Mirador Guada Forestal Las Mezas Cerro de la Tavizna Gargante Verde Malaga Airport Gargante Verde (leaves) Near El Chorro Near El Chorro Sierra del Pinar (not in flower) El Chorro Hotel Cortijo Las Piletas Cerro de la Tavizna (not in flower)

El Chorro (in bud)

Between Ronda & El Burgo El Torcal Near El Chorro El Torcal Gargante Verde

Mirador Guada Forestal Below Zahara

El Torcal Hotel Cortijo Las Piletas Tajo del Molino

Gargante Verde E of Grazalema E of Grazalema E of Grazalema

Geraniaceae

Erodium cicutarium Erodium malacoides Erodium moschatum Erodium primulaceum Erodium recoderi* Geranium dissectum Geranium lucidum Geranium molle Geranium purpureum

Lamiaceae

Ballota pseudodictamnus Lamium amplexicaule Lavandula lanata* Lavandula multifida Lavandula stoechas subsp. stoechas Mentha x verticillata Phlomis purpurea Teucrium fruticans

Leguminosae (Fabaceae)

Acacia retinodes Anagyris foetida Anthyllis cystoides Astragalus lusitanicus Bituminaria bituminosa Calycotome villosa Ceratonia siliqua Cytisus baeticus Genista umbellata Lathyrus clymenum Lathyrus tingitanus Spartium junceum

Malvaceae Malva sylvestris

Myrtaceae

[Eucalyptus camaldulensis] [Eucalyptus globulus] [Eucalyptus robusta] Myrtis communis

Oleaceae Jasminum fruticans Olea europaea

Papaveraceae Fumaria capreolata Fumaria muralis Fumaria officinalis

Common name

Geranium Family

Common Stork's-bill Mallow-leaved Stork's-bill Musk Stork's-bill a Stork's-bill a Stork's-bill Cut-leaved Crane's-bill Shiny Crane's-bill Dove's-foot Crane's-bill Little Robin

Dead-nettle Family

Garden Horehound Henbit Deadnettle Woolly Lavender Cut-leaved Lavender French Lavender Apple Mint Purple Phlomis Shrub Germander

Pea Family

Swamp Wattle Bean Trefoil Shrub Kidney-vetch a Milk-vetch Pitch Trefoil Prickly Broom Carob ---Tangier Pea Spanish Broom

Mallow Family Common Mallow

Myrtle & Gum Family

- River Red Gum Tasmanian Blue Gum Iron Bark Myrtle
- **Olive Family** Jasmine Wild Olive

Poppy Family White Ramping Fumitory Common Ramping Fumitory Common Fumitory

Location

Cerro de la Tavizna Cerro de la Tavizna Hotel Cortijo Las Piletas Hidden Valley Mirador Guada Forestal Laguna Dulce Mirador Guada Forestal Below Zahara Mirador Guada Forestal

Gargante Verde (not in flower) Cerro de la Tavisna Sierra de las Nieves Near El Chorro Near El Chorro El Chorro Common (not in flower) Barriada de la Estacion

N of Malaga Casas de los Cerrillos Near El Chorro Below Mirador de las Acebuches Near el Chorro (leaves) Cueve de la Pileta Gargante Verde E of Las Mezas Tajo del Molino Montejaque Nontejaque N of Malaga

N of Malaga

Roadsides Roadsides

Gargante Verde

Cueve de la Pileta (not in flower) Gargante Verde

El Chorro Hidden Valley El Chorro

Platycapnos spicatus Rupicapnos africana

Plantaginaceae Antirrhinum graniticum Chaenorhinum villosum Linaria anticaria* Linaria tristis Plantago lagopus

Polygalaceae Polygala rupestris

Polygonaceae Rumex scutatus

Primulaceae Samolus valerandi

Ranunculaceae Anemone palmata Clematis cirrhosa Ficaria verna subsp. ficariiformis Helleborus foetidus Ranunculus macrophyllus Ranunculus spicatus subsp. blepharicarpos

Resedaceae Reseda alba Reseda undata subsp. gayana (R. gayana)

Rhamnaceae Rhamnus alaternus Rhamnus lycioides*

Rosaceae Crataegus monogyna Prunus avium [Prunus dulcis] Prunus prostrata Rubus ulmifolius Sanguisorba minor subsp. minor

Rubiaceae Rubia peregrina Sherardia arvensis

Rutaceae [Citrus aurantium] [Citrus limon] [Citrus sinensis] Ruta montana

Common name

Plantain Family a Snapdragon

a Toadflax a Toadflax Hare's-tail Plantain

Milkwort Family Rock Milkwort

Dock Family French or Shield Dock

Primrose Family Brookweed

Buttercup Family Yellow Anemone Virgin's Bower Lesser Celandine Stinking Hellebore Large-leaved Buttercup a Buttercup

Mignonette Family White Mignonette a Mignonette

Buckthorn Family Mediterranean Buckthorn Prostrate Buckthorn

Rose Family Hawthorn Wild Cherry Almond Prostrate Plum Bramble Salad Burnet

Bedstraw Family Wild Madder Field Madder

Rue Family Bitter Orange Lemon Orange Fringed Rue Location

Laguna Dulce Near El Chorro

Tajo del Molino El Chorro El Torcal (not in flower) Cerro de la Tavizna Tajo del Molino

El Chorro

Tajo del Molino

El Chorro

Barriada de la Estacion Common Near Villaluenga del Rosario Sierra de la Nieves Cerro de la Tavizna Near El Chorro

El Chorro Hidden Valley

S of Zahara S of Zahara

Sierra de la Nieves E of Grazlema Commonly naturalised Between Ronda & El Burgo El Torcal Gargante Verde

Gargante Verde Below Zahara

Planted Planted Planted Near Villaluenga del Rosario

Santalaceae Viscum cruciatum

Saxifragaceae Saxifraga biternata* Saxifraga bourgaeana* Saxifraga globulifera* Saxifraga granulata

Scrophulariaceae Verbascum giganteum

Simaroubaceae [Ailanthus altissima]

Solanaceae Mandragoria autumnalis Nicotiana glauca Solanum nigrum

Thymelaeaceae Daphne gnidium Daphne laureola

Urticacae Parietaria judaica Parietaria officinalis Urtica membranacea Urtica urens

Violaceae Viola demetrei

Monocots

Amaryllidaceae Allium ampeloprasum Narcissus assoanus (N. requienii) Narcissus bulbocodium Narcissus hispanicus (N. longispathus, N. bujei) Narcissus cantabricus Narcissus cuatrecasasii* (N. rupicola) Narcissus flavus (N. fernandesii) Narcissus papyraceus

Araceae Arisarum vulgare Arum italicum subsp. neglectum

Arecaceae Chamærops humilis

Common name

Sandalwood Family Red-berried Mistletoe

Saxifrage Family El Torcal Saxifrage a Saxifrage

Meadow Saxifrage

Figwort Family Giant Mullein

Tree of Heaven Family Tree of Heaven

Nightshade Family Mandrake Shrub Tobacco Black Nightshade

Daphne Family Mediterranean Mezereon Spurge Laurel

Nettle Family Pellitory-of-the-wall Large Pellitory-of-the-wall Membranous Nettle Small Nettle

Violet Family

Monocotyledons

Amaryllis Family Wild Leek Rush-leaved Jonquil Hoop-petticoat Daffodil Long-spathed Daffodil White Hoop-petticoat Daffodil Rock Jonquil

Paper-white Daffodil

Arum Family Friar's Cowl Italian Arum

Palm Family Dwarf Fan Palm

Location

Cerro de la Tavizna

El Torcal (leaves) Hidden Valley Cerro de la Tavizna (not in flower) Cerro de la Tavizna

Near Benaojan

Common

Ardales Below Zahara Ardales Cueve de la Pileta

Cerro de la Tavizna (not in flower) Sierra de las Nieves

Las Mezas El Chorro Gargante Verde Las Mezas

Between Ronda & El Burgo

Tajo del Molino Gargante Verde Near Villaluenga Sierra de las Nieves Near El Chorro Hidden Valley Cerro de la Tavizna Below Grazalema

Below Grazalema Tajo del Molino

Gargante Verde

Asparagaceae

Aphyllanthes monspeliensis [Agave americana] Asparagus acutifolius Asparagus albus Dipcadi serotinum Drimia (Urginea) maritima Hyacinthoides hispanica Muscari neglectum Ornithogalum reverchonii* Ruscus aculeatus

Cyperaceae Carex halleriana

Dioscoreaceae Dioscorea (Tamus) communis

Iridaceae

Crocus nevadensis Iris foetidissima Iris planifolia Moraea sisyrinchium Romulea bulbocodium Romulea ramiflora Romulea ramiflora subsp. gaditana

Juncaeae Scirpoides holoschoenus

Liliaceae Fritillaria lusitanica Gagea foliosa Gagea lacaitae

Orchidaceae

Anacamptis collina (Orchis collina) Himantoglossum robertianum Ophrys bombyliflora Ophrys fusca subsp. fusca Ophrys omegaifera (O. fusca subsp. omegaifera) Ophrys scolopax Ophrys speculum Ophrys tenthredinifera Orchis anthropophora Orchis olbiensis

Poaceae

Anisantha diandra Arundo donax Hyparrhenia hirta

Common name

Asparagus Family

Blue Aphyllanthes Century Plant Sharp-leaved Asparagus White-stemmed Asparagus Brown Bluebell Sea Squill Spanish Bluebell Grape Hyacinth a Star of Bethlehem Butcher's-broom

Sedge Family a Sedge

Black Bryony Family Black Bryony

Iris Family Sierra Nevada Crocus Stinking Iris Broad-leaved Iris Barbary Nut a Sand Crocus a Sand Crocus a Sand Crocus

Rush Family Round-headed Clubrush

Lily Family Portuguese Fritillary a Yellow Star of Bethlehem a Yellow Star of Bethlehem

Orchid Family Fan-lipped orchid Giant Orchid Bumble Bee Orchid Sombre Bee Orchid a Sombre Bee Orchid Woodcock Orchid Mirror Orchid Sawfly Orchid Man Orchid an Early Purple Orchid

Grass Family

Great Brome Giant Reed

Location

Sierra del Pinar Commonly Naturalised Las Mezas Mirador Guada Forestal Near El Chorro Common Mirador Guada Forestal Near El Chorro Near Villaluenga del Rosario El Torcal

Gargante Verde

Mirador Guada Forestal

El Torcal (leaves) El Torcal Between Ronda & El Burgo Near El Chorro Below Mirador de la Acebuches Near El Chorro Hidden Valley

Sierra del Pinar

Near El Chorro Below Mirador de la Acebuches Between El Burgo & Ardales

Near El Chorro Cerro de la Tavizna Below Zahara Cerro de la Tavizna Las Mezas Between El Burgo & Ardales Near El Chorro Below Mirador de la Acebuches Near El Chorro S of Zahara

Montejaque Common Roadsides

Scientific name	Common name	Location
Smilacaceae Smilax aspera	Smilax Family Common Smilax	Gargante Verde
Typhaceae Typha angustifolia	Reedmace Family Lesser Bulrush	Hidden Valley
Xanthorrhoeaceae Asphodelus aestivus Asphodelus albus Asphodelus fistulosus	Asphodel Family Common Asphodel White Asphodel Small Asphodel	Below Zahara Gargante Verde Tajo del Molino

Birds (\checkmark =recorded but not counted; H = heard only; LO = leader only)

		Ма	March							
	Common name	Scientific name	13	14	15	16	17	18	19	20
1	Common Shelduck	Tadorna tadorna						✓		
2	Northern Shoveler	Spatula clypeata						✓		
3	Red-legged Partridge	Alectoris rufa		✓						
4	Little Grebe	Tachybaptus ruficollis						✓		
5	Black-necked Grebe	Podiceps nigricollis						✓		
6	Greater Flamingo	Phoenicopterus roseus						✓		
7	White Stork	Ciconia ciconia			✓		✓			
8	Western Cattle Egret	Bubulcus ibis							✓	
9	Great Cormorant	Phalacrocorax carbo							✓	
10	Black-winged Kite	Elanus caeruleus							✓	
11	Griffon Vulture	Gyps fulvus	✓	✓	✓	✓		✓	✓	
12	Short-toed Snake Eagle	Circaetus gallicus	✓			✓			✓	
13	Booted Eagle	Hieraaetus pennatus						LO	✓	
14	Western Marsh Harrier	Circus aeruginosus						✓		
15	Montagu's Harrier	Circus pygargus						✓	✓	
16	Black Kite	Milvus migrans							✓	
17	Common Buzzard	Buteo buteo	✓		✓	✓	✓			
18	Eurasian Coot	Fulica atra						✓		
19	Black-winged Stilt	Himantopus himantopus						✓		
20	Black-headed Gull	Chroicocephalus ridibundus						✓		
21	Yellow-legged Gull	Larus michahellis						✓		
22	Rock Dove [Feral]	Columba livia feral	✓	✓	✓	✓	✓	✓	✓	✓
23	Eurasian Collared Dove	Streptopelia decaocto	✓		✓			✓	✓	
24	Eurasian Hoopoe	Upupa epops						✓		
25	European Green Woodpecker	Picus viridis				Н				
26	Common Kestrel	Falco tinnunculus	✓			✓		✓	✓	
27	Peregrine Falcon	Falco peregrinus				✓				
28	Iberian Grey Shrike	Lanius meridionalis			✓	✓				
29	Eurasian Jay	Garrulus glandarius			✓	✓	✓			
30	Red-billed Chough	Pyrrhocorax pyrrhocorax			✓	✓	✓	✓	✓	
31	Northern Raven	Corvus corax		✓				✓	✓	
32	European Crested Tit	Lophophanes cristatus	1	1	1	1		1	Н	
33	Great Tit	Parus major		Н	✓	✓				
34	Eurasian Blue Tit	Cyanistes caeruleus	✓	1	1	✓		1		
35	Crested Lark	Galerida cristata	✓		✓	✓		✓		
36	Eurasian Skylark	Alauda arvensis						Н	Н	

						Ма	rch			
	Common name	Scientific name	13	14	15	16	17	18	19	20
37	Sand Martin	Riparia riparia			✓					
38	Barn Swallow	Hirundo rustica	✓	✓				✓	✓	
39	Eurasian Crag Martin	Ptyonoprogne rupestris						✓		
40	Common House Martin	Delichon urbicum		✓	✓			✓	✓	
41	Cetti's Warbler	Cettia cetti						✓		
42	Western Bonelli's Warbler	Phylloscopus bonelli				Н				
43	Eurasian Blackcap	Sylvia atricapilla	✓	Н	✓	✓		Н	✓	
44	Garden Warbler	Sylvia borin			Н					
45	Sardinian Warbler	Sylvia melanocephala				✓				
46	Eurasian Wren	Troglodytes troglodytes			Н	✓				
47	Short-toed Treecreeper	Certhia brachydactyla	✓							
48	Spotless Starling	Sturnus unicolor	✓			✓		✓	✓	
49	Ring Ouzel	Turdus torquatus				Н		✓		
50	Common Blackbird	Turdus merula	✓	✓	✓	✓	✓	✓	✓	
51	Mistle Thrush	Turdus viscivorus				✓	✓	✓		
52	European Robin	Erithacus rubecula	✓					✓	Н	
53	Black Redstart	Phoenicurus ochruros	✓			✓		✓	✓	
54	European Stonechat	Saxicola rubicola		✓		✓		✓	✓	
55	Black Wheatear	Oenanthe leucura							✓	
56	Blue Rock Thrush	Monticola solitarius							✓	
57	House Sparrow	Passer domesticus	✓	✓	✓	✓	✓	✓	✓	✓
58	Grey Wagtail	Motacilla cinerea			✓	✓				
59	White Wagtail	Motacilla alba				✓		✓		
60	Meadow Pipit	Anthus pratensis				✓			✓	
61	Common Chaffinch	Fringilla coelebs	✓	✓	✓	✓	✓	✓	✓	
62	European Serin	Serinus serinus		✓	✓	✓	Н	✓	✓	
63	European Greenfinch	Chloris chloris	н					✓		
64	European Goldfinch	Carduelis carduelis	Н	✓	✓	✓				
65	Common Linnet	Linaria cannabina						✓	✓	
66	Corn Bunting	Emberiza calandra		✓	Н	✓		✓		
67	Rock Bunting	Emberiza cia				~	✓	✓	✓	
68	Cirl Bunting	Emberiza cirlus							✓	

Mammals (S = Signs)

1	Greater Mouse-eared Bat	Myotis myotis				✓	
2	Spanish Ibex	Capra pyrenaica hispanica	✓		✓		
3	Wild Boar	Sus scrofa	S		S		
4	Sika Deer	Cervus nippon				✓	
5	Rabbit	Oryctologus cuniculatus		✓			

Amphibians & Reptiles:

1	Large Psammodromus	Psammodromus algirus			✓					
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Butterflies (C = Caterpillar; B = Bivouac)

2	Small White	Pieris rapae	✓	✓			
3	Western Dappled White	Euchloe crameri		✓	✓		
5	Wall Brown	Lasiommata megera		✓			

	Common name	Scientific name	13	14	15	16	17	18	19	20
Ma	acro Moths									
1	Pine Processionary Moth	Thaumetopoea pityocampa		С	В	В	В	В	В	
	her Invertebrates:					✓				
1	a Ground Bug	Lygaeus sp.				•				
2	Honey Bee	Apis millifera			✓					
3	Buff-tailed Bumble Bee	Bombus terrestris							✓	
4	Rhino' Dung Beetle	Copris lunaris						\checkmark	✓	
5	Silverfish	Lepisma saccharina						✓		
6	Giant Centipede	Scolopendra cingulatus			✓					
7	Harvestman	Leiobunum sp.			✓					
8	Crab Spider	Thomisus sp.		✓						
Те	rrestrial Gastropoda:									
1	Common Garden Snail	Cornu aspersum (Helix aspers	a)			✓				