Wild Flowers of Sicily

Naturetrek Tour Report

5 – 12 May 2015



Report compiled by Jessica Turner Images courtesy of Philip Leather



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Tour Report Wild Flowers of Sicily

Tour Participants: Jessica Turner (leader) with seven Naturetrek Clients

Summary

As ever, the Naturetrek 'Wild Flowers of Sicily' trip was full of interest. We experienced unusually hot, settled weather, especially over the first few days – never before have I been in shirt-sleeves on the summit of Etna! The hot weather meant that many plants were starting to dry out, but others, especially at higher altitudes, were in prime condition. It was a joy to discover a new location for Lacaita's Ophrys (*Ophrys fuciflora* subsp. *lacaitae*) at Bosco di Ficuzza, where the Pale Ophrys (*Ophrys fusca* subsp. *pallida*) was still flowering well, and the Peonies (*Paeonia mascula*) near the Hotel Pomieri were magnificent. We found a good range of orchids and endemic species, and the fine weather meant that butterflies were active; an Aetherie Fritillary, near Collesano, being especially pleasing. We enjoyed fine hospitality at both hotels, and Mount Etna kindly behaved itself (saving its next eruption for May 14th!). My thanks go to the group for their contributions towards an excellent week on this fascinating island.

Day 1 Tuesday 5th May

Gatwick to Catania; slopes of Mount Etna

Seven group members met Jessica at Gatwick Airport for our 6.25am flight to Catania. As we came in to land we could see, although it was quite hazy, the towering cone of Mount Etna. Having collected our luggage, we loaded up and soon joined the northbound A18. We left the autostrada at the Giarre exit and made our way up to our hotel, the Case Perrotta on the outskirts of Sant'Alfio, where we received a warm welcome from Vatentina, the manager. It was very hot, and we were pleased to have a light lunch in the cool shade of the dining room, scented by the Wisteria outside. The hotel was once a monastery, then a winery, and has some fascinating and quite quirky buildings. We settled into our rooms and, after a short break, met to start our exploration of the area.

We drove up the road from Case Perrotta, stopping by a little chapel above Milo. Here, we noted the lava which was starting to be colonised by vegetation. The Mount Vesuvius lichen (*Stereocaulon vesuvianum*) is the first coloniser, followed later by plants such as Red Valerian (*Centranthus ruber*), Etna Sorrel (*Rumex scutatus* forma aetnensis) and Woad (*Isatis tinctoria* subsp. canescens). Etna Broom (*Genista aetnensis*) was common, although not in flower. We also found some Narrow-leaved Lupins (*Lupinus angustifolium*), a pale form of Fodder Vetch (*Vicia villosa* subsp. ambigua), and Jersey Fern (*Anogramma leptophylla*).

We continued to climb through lava in various stages of colonisation, noting too the effects of altitude, as Sweet Chestnut (Castanea sativa) gave way to Downy Oak (Quercus pubescens), the Corsican Pine (Pinus nigra subsp. laricio) and the very white-stemmed Etna Birch (Betula aetnensis). We stopped at the Rifugio Citelli where, at 1,741 metres above sea level, it was perhaps a degree or two cooler than lower down. After refreshments, we explored the area noting Etna Tansy (Tanacetum siculum), Etna Milk-vetch (Astragalus siculus) and the Etna form of Rock Ragwort (Senecio squalidus subsp. aethnensis). We also found the annual Knawel (Schleranthus aetnensis), which we were able to compare with the perennial species Schleranthus perennis subsp. vulcanicus, we had seen earlier. Blackcap and Chiffchaff were singing, and many Painted Lady butterflies were on the wing.

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Driving back down the mountain, we stopped in an area of Oak and Sweet Chestnut wood where we found a Leopard's-bane (*Doronicum orientale*), and some Elder-flowered Orchids (*Dactylorhiza sambucina*) in the intermediate colour forms of purple mixed with lemon. We returned to Case Perrotta, where we later reconvened to talk about the day and outline future plans, before enjoying an excellent meal and retiring for the night.

Day 2

Wednesday 6th May

Mount Etna

Today dawned clear and very warm, and with a forecast that the afternoon temperature would be over 36°C, we decided to go up Mount Etna. After a delicious breakfast, we set off through Zafferana where we stopped to buy the picnic. While Jessica was shopping, group members saw Sardinian Warbler, Serin, and many Common Swifts. We then continued westwards, climbing the southern slopes of the volcano, to reach Rifugio Sapienza, the starting point for our ascent. Here, even at 1,900 metres, it was warm, and we felt that the usual many layers of extra clothing probably would not be needed.

The first part of our journey was by cable car, to the Piccolo Rifugio at 2,500 metres, where we transferred to the 4-wheel drive buses for the climb to just below the summit cone at c.3,100 metres, the summit currently being 3,329 metres, but changing with any eruption. We climbed through banks of permanent snow and ice but, in general, there was relatively little lying snow, testament to the warm weather. A lava flow last October has meant a reorganisation of the bus route, and it also completely destroyed the remains of the old rifugio, the roof of which had been visible through the lava of the 2002/3 eruptions. We walked around the fissure in the volcano which dates from 2002/3, although it has now sealed (in the last year), and no longer steams. An unusual number of butterflies were seen, mainly Painted Ladies and Clouded Yellows, but also Large White and an unidentified blue, while several beetles and flies were also noted. The temperature on the summit was pleasant (10-12°C – NB. this is unusually warm!), with little wind. The lava underfoot felt warm, the temperature increasing if we dug down a few inches, but we were also walking over snow. We had refreshments at the half-way rifugio, before completing our descent to the car park. The whole group agreed it had been an amazing experience.

We then drove down south-westwards, finding a picnic spot in the shade by the Astrophysics Observatory. A Woodlark was perched on the ground as we approached, and was later singing, as were Coal Tit and Wren. Exploring the area, we added Etna Barberry (Berberis aetnensis) and the leaves of the Ragwort Senecio ambiguus to our list. A little further on we found several spikes of Elder-flowered Orchid (Dactylorhiza sambucina), showing a combination of the magenta and lemon colours. We returned back up past the Rifugio Sapienza, and down towards Zafferana Etnea, stopping near the Hotel Airone, above Zafferana, to explore an area of coppiced Sweet Chestnut (Castanea sativa). In the woodland, some of the Sweet Chestnut boles were extremely wide, attesting to their age, and many were affected by the Oriental Chestnut Gall Wasp, which only reached Sicily in late 2010. Here we found Birthwort (Aristolochia rotunda), Bloody Cranesbill (Geranium sanguineum), the cream coloured vetch Vicia hybrida and the pink and purple vetch Lathyrus elymenum. Further up in the wood were many spikes of Roman Orchid (Dactylorhiza romana), which were over, but also about a dozen spikes of Violet Limodore (Limodorum abortivum), two of which were in perfect flower. By the road we recorded the yellow and black pea, Vicia melanops, and Honeywort (Cerinthe major). The roadside walls held a variety of stonecrops including Sedum cepaea and Starry Stonecrop (Sedum stellatum), together with Micromeria graeca. We

then returned to Sant'Alfio. Along the way we passed several specimens of Manna Ash (*Fraxinus ornus*) and extensive stands of the yellow Thorny Broom (*Calicotome infesta*).

Day 3

Thursday 7th May

Eastern slopes of Etna

Today we travelled from sea to mountain, ascending the eastern slopes of Mount Etna. After a good breakfast, and stopping for picnic supplies in Sant' Alfio, we descended to the coast near Cottone, where the Fiumefreddo River enters the sea. Here, early finds included Reversed Clover (Trifolium resupinatum), Mallowleaved Bindweed (Convolvulus altheoides), Three-horned Stock (Matthiola tricuspidata) and Sea Kale (Cakile maritima). A Sardinian Warbler showed itself, and a Ringed Plover was on the beach. We then moved on a short distance inland, to the Fiumefreddo Nature Reserve. Fiumefreddo means 'cold river', and the river carries the snow-melt from Etna. The low water temperature allows a number of different species to thrive which are rare elsewhere in Sicily. We parked in the shade, and looked at a wall which bore many plants of Phagnalon (*Phagnalon rupestre*) and Annual Bellflower (*Campanula erinus*), before walking down the narrow path to the reserve. We were immediately struck by the lushness of the vegetation. Giant Reed (Arundo donax), White Willow (Salix alba) and White Poplar (Populus alba) towered above us, but so did Yellow Flag (Iris pseudacorus), Stinging Nettles (Urtica dioica) and Cretan Thistles (Cirsium creticum). Other plants included Devil's Horse-whip (Achyranthes aspera) with spikes of tiny purple flowers, False Fox Sedge (Carex cuprina, formerly C. otrubae) and Greater Pond Sedge (Carex riparia). One of the specialities of the reserve is Papyrus (Cyperus papyrus siculus). Cetti's Warbler and a Nightingale were singing, and Italian Wall Lizards were enjoying the morning sun.

We then started to ascend the slopes of Etna, stopping for lunch above Linguaglossa in what proved to be a very floristically rich spot. Here we found forms of Green-winged Orchids (*Anacamptis morio* subsp. *morio* and the more sparse subsp. *picta*), Roman Orchids (*Dactylorhiza romana*), most of which had gone over, but we also found hybrids between Roman Orchid and Elder-flowered Orchid (*Dactylorhiza x rombucina*), and a Greenwinged x Pink Butterfly hybrid (*Anacamptis x gennarii*). A shady quarry held carpets of Spring Sowbread (*Cyclamen repandum*), and other plants included Cornflower (*Cyanus segetum*), bright pink Fedia (*Fedia cornucopiae*), and yellow *Biscutella didyma*.

Eventually we continued our climb, with our final main stop being Piano Provenzana (1,785 metres) where we saw the 2002/3 lava flow, still very stark and black, but starting to be colonised in places. Here we found many of the specialised and endemic species which survive in the hostile conditions of the volcano, which we had already seen elsewhere. In areas not affected by this flow, Juniper (*Juniperus communis* subsp. hemisphaerica), Etna Barberry (Berberis aetnensis), and Etna Milk-vetch (Astragalus siculus) sheltered quantities of Etna Pansy (Viola aethnensis), in shades from deep purple, through blue, lilac and yellow, to cream. After a stop for refreshments at one of the newly-opened bars, we returned to Sant' Alfio.

Day 4 Friday 8th May

Transfer to Madonie Mountains

Today we moved on to our second destination, in the Madonie Mountains, further west, towards the north coast of the island. The geology of the Madonies is predominantly Carboniferous and Dolomitic limestone, and so provides a very different habitat and flora to that of Mount Etna.

Before we left, we explored the grounds of Case Perrotta. We had already seen most of the plant species elsewhere, but we re-acquainted ourselves with them. A Subalpine Warbler was singing, and we saw a Queen of Spain Fritillary on the lawn. Having already loaded the vehicles, we said our farewells, and left in the heat of another beautiful day.

We stopped to shop in Sant'Alfio before dropping down to the A18 towards Catania, then turning west on the A19. Along the way we noted Spotless Starlings, perched on the barriers on the edge of the autostrada, and some beautiful stretches of Blue Stonecrop (Sedum caeruleum); a reddish plant with pale blue flowers and a Sicilian speciality. As we continued westwards, we saw large areas of Italian Sainfoin (Hedysarum coronarium), a native plant which is also cultivated as a fodder crop. As we stopped for a break near Enna, a Common Buzzard, then a Black Kite circled overhead. We turned off the autostrada at Tremonzelli, towards Castellana Sicula, stopping after a few kilometres to look at the verges and field margins. Here we admired the wild Sweet Pea (Lathyrus odoratus), Italian Gladiolus (Gladiolus italicus), Yellow Asphodel (Asphodeline lutea), and Borage (Borago officinalis).

We stopped for lunch on the edge of Castellana Sicula, where Horse-chestnut trees provided some shade. We then took the road towards Petralia Soprana, stopping just below a hairpin bend to explore the grassy area. Here, we found many spikes of Sombre Bee Orchid (*Ophrys fusca* agg.), together with Pink Butterfly Orchid (*Anacamptis papilionacea* var. grandiflora), Long-spurred Orchid (*Anacamptis morio* subsp. longicornu), dark Ophrys (*Ophrys sphegodes* subsp. atrata), Bertoloni's Bee Orchid (*Ophrys bertolonii*) and Plough-share Tongue Orchid (*Serapias vomeracea*). We eventually moved on to a track by a road bridge, a familiar stopping place. Here we noted Narrow-leaved Glaucous Spurge (*Euphorbia rigida*), Almond-leaved Pear (*Pyrus spinosa*) in full flower, and the endemic *Genista cupanii*. Golden Oriole was heard, and Crag Martins were seen. Butterflies included Swallowtail and Southern Festoon.

It was not far to the hotel, but we continued past, climbing towards Piano Battaglia, and enjoying the late afternoon sun on the mountains. We stopped to look at a rock face, finding the low spiny bushes of Nebrod Milk-vetch (Astragalus nebrodensis), Alpine Rockcress (Arabis caucasica) and Aubrieta (Aubrieta deltoidea), under Beech (Fagus sylvatica) which was just coming into leaf. We then returned to the Hotel Pomieri, our base for the next four nights.

Day 5 Saturday 9th May

Vallone Madonna degli Angeli and Piano Battaglia

We woke to another fine and sunny day, but with more comfortable temperatures than earlier in the week. Our main objective was to visit the Vallone Madonna degli Angeli, below Monte San Salvatore, which holds the last remaining site for the very rare Nebrod or Sicilian Fir (*Abies nebrodensis*). About forty or so mature

trees remain in the world, although there are a number of seedlings (all carefully tagged and recorded). Our first stop was in Polizza Generosa, where Jessica shopped for the picnic. Retracing our steps a little, we then parked in an area of Corsican Pine (*Pinus nigra* subsp. *laricio*), by the gates marking the start of the walk. A small hillock to the right of the path immediately drew our attention, with *Iris pseudopumila* (lemon with purplish falls), and several different *Ophrys*. The *Ophrys* species are quite confusing, as differences between them are slight, and they hybridise readily. While some botanists class them as separate species, there is a move now, with DNA analysis, only to recognise them as, at best, subspecies or only as varietal forms. We found an endemic variant of the Yellow Bee Orchid (*Ophrys lutea* subsp. *galilea*), recognised by some as *Ophrys archimedea*, plus a variety of Sombre Bee Orchid (*Ophrys fusca*) types, including the variant *Ophrys flammeola*, also considered endemic to Sicily. More straightforward was Brancifort's Orchid (*Orchis brancifortii*). We set off up the path, initially through trees; as the path opened out we saw *Iris pseudopumila* in both colour forms (lemon and purple), Brancifort's Orchid (*Orchis brancifortii*) and *Ophrys tenthredinifera* var. *grandiflora*, a Sicilian form of Sawfly Orchid.

As we came to the end of the wooded area, the track began to rise, becoming stonier, and with scree and cliffs to the sides. In this apparently very dry habitat, we found Golden Drops (*Onosma echioides* subsp. canescens), Candytuft (*Iberis pruitii*), mauve Sicilian Sad Stock (*Matthiola fruticulosa* var. sicula), and the stunning blue flax, *Linum punctatum*. Further up was a gone-over spike of *Ophrys exaltata* (now considered an *Ophrys sphegodes* variant) and an endemic Alison, *Alyssum nebrodense*. Where the path divided we took the right hand 'Sentiero Abies', and soon found a specimen tree and several seedlings, although surrounding vegetation made photography quite challenging. Several butterfly species were seen including Painted Lady, Little Blue and Scarce Swallowtail.

We ate our picnic on the low walls by the start of the walk, before driving back up the road and stopping by some rocky meadows. Here we found many more Brancifort's Orchids, together with two forms of Yellow Bee Orchid (*Ophrys lutea* subsp. *lutea*, and *Ophrys lutea* subsp. *galilea*, formerly known as *Ophrys sicula*). There were good numbers of both colour forms of *Iris pseudopumila*, and we noted the sculptural basal leaf rosettes of *Jurinea bocconii* and *Carthamus pinnatus*. We moved on, stopping for a coffee break at the CAS Rifugio, where we were met by a very large, but friendly, St. Bernard dog.

We then explored the top of Piano Battaglia. This is an area of boulder-strewn hillsides, at 1,600 metres above sea level, with streams leading to a sink hole. We walked through the carpets of Daisies (Bellis perennis var. strobliana) down to the sink hole and found many spikes of a Yellow Star of Bethlehem (Gagea foliosa and G. liotardii), and the small purple flowers of the Sand Crocus, Romulea bulbocodium. By the sink hole, where the snow had only recently melted (there was still some lying in places), we found quantities of the deep blue Alpine Squill (Scilla bifolia) and pink Bird-in-a-bush (Corydalis solida) together with Lesser Celandine (Ficaria verna agg.) A large patch of Tazetta Narcissi (Narcissus tazetta) was found, with quite a few flower heads still fresh, showing the petite white flowers with yellow/orange trumpets. On the slopes, Mountain Star of Bethlehem (Ornithogalum montanum) was coming into flower. A male Black Redstart and a pair of Whinchat were seen, while Cirl Buntings were heard. We returned to the hotel, with time for a break or for local exploration, before meeting to go through our lists, discuss plans, and enjoy another excellent meal.

Day 6

Sunday 10th May

Bosco di Ficuzza

Today we set out to explore the Bosco di Ficuzza, some distance from Pomieri, but known to be a good place for orchids. We set off down towards Collesano, stopping to shop for our picnic. We then made a brief stop just the other side of the village to look at Sedum caeruleum (Blue Stonecrop) on a wall. Among other plants on the verge and bank, we noted Tree Spurge (Euphorbia dendroides), Yellow Star Thistle (Centaurea solstitialis) and a very similar Centaurea, but without a winged stem, Centaurea sicula. A Nightingale was singing, and a Raven flew over. A little further on we stopped just after a bend, where we saw a large spike of Ornithogalum arabicum. Growing with it was another Star of Bethlehem, Ornithogalum narbonense, Wild Leek (Allium ampeloprasum), Rosy Garlic (Allium roseum) and an Allium with white starry flowers, Allium subhirsutum. Further exploration of the meadow showed quantities of the beautiful Blue Convolvulus (Convolvulus tricolor), Oyster Plant (Scolymus grandiflora), Syrian Thistle (Notobasis syriaca), and Blue Hound's-tongue (Cynoglottis creticum). Insect life was very plentiful in the warm sun, and a particularly pleasing sighting was an Aetherie Fritillary, a very localised species.

We continued down to Campofelice and towards Palermo, stopping for refreshments near Termini before continuing on to the Villabate exit, shortly before the outskirts of the city. From here we drove south-west down as far as Bolognetta, where we joined the SS118. After the town of Marineo we passed the Lago dello Scanzano, and turned up towards Ficuzza, where King Fernando III had a grand hunting lodge. Passing through this tiny village, busy with Sunday visitors, we continued to climb into the woodland. This area of woodland lies underneath the imposing Rocca Busambra. Our first stop was just outside the village, where we were delighted to find several plants of Lacaita's Ophrys (Ophrys fuciflora subsp. lacaitae), together with Tongue Orchid (Serapias lingua), Naked Man Orchid (Orchis italica), and one Bumblebee Orchid (Ophrys bombyliflora). Other plants included the dark red, velvety Asparagus Pea (Lotus tetragonolobus) and Pink Hawk's-beard (Crepis rubra).

We drove further up the wooded hillside, finding that many pull-ins were already occupied by families enjoying picnics. We found one for ourselves, and the group explored while Jessica prepared lunch. Here we found our target species, Pale Ophrys (Ophrys fusca subsp. pallida), of which most of the world population grows only in this area. Once we had got our eyes tuned to this small Ophrys, we found quite a number of spikes, some very fresh. We also found Provence Orchid (Orchis provincialis), a few spikes of Sombre Bee Orchid (Ophrys fusca agg.), and more Tongue Orchids (Serapias lingua). A patch of the small blue iris, Barbary Nut (Moraea sisyrhincium), was nice to see, as they only flower in the afternoon. Butterflies included Scarce Swallowtail, while reptiles were represented by the usual Italian Wall Lizards, but also a Slow Worm and a magnificent male Western Green Lizard. Eventually we decided we needed to retrace our steps, and stopped in the village for a 'genuine gelato'. Duly refreshed, we set out on the long journey home. The closure of the autostrada meant a long and rather tortuous journey, but with stunning views, and we all agreed that it had been a very enjoyable day.

Day 7

Monday 11th May

Isnello, Gibilmanna, Piano Pomieri

On another warm, sunny day, we set off, up over Piano Battaglia. Our first stop was at Montaspro, where we found several spikes of Lacaita's Ophrys *(Ophrys fuciflora* subsp. *lacaitae*). There was a good patch of Roundleaved Birthwort (*Aristolochia rotunda*) on the verge as well. We then moved down to the hillside village of Isnello, where we parked and explored the narrow streets, while Jessica shopped for the picnic.

Our main destination for the morning was an area around the Sanctuary of Gibilmanna, on the north-facing slope of the Madonies. We parked below the church and set off along a footpath. Very soon we were finding spikes of Violet Limodore (*Limodorum abortivum*), about twenty growing close together in the light shade. Nearby were large, dark red spikes of a Broomrape, *Orobanche variegata*. Three species of Cistus: Sage-leaved (*Cistus salviflorus*), Narrow-leaved (*Cistus monspeliensis* with small white flowers) and the pink *Cistus creticus* were all abundant, indicating a more Mediterranean feel to the flora. As the path progressed, we also found French Lavender (*Lavendula stoechas*) and Tree Heather (*Erica arborea*). It was hot in the sun, and we were glad to return to the shade of the Holm Oaks (*Quercus ilex*). Crag Martins were wheeling round the church.

We descended to a shady meadow for our picnic, before retracing our steps towards Isnello, and stopping at the river gorge before the village. On the rock faces were Cretan Scabious (*Scabiosa cretica*), with beautiful seedheads, while other plants above the gorge included Crupina (*Crupina crupinastrum*), Bladder Vetch (*Tripodion tetraphyllum*) and Dodder (*Cuscuta epithymum*), together with an endemic Genista (*Genista ephedroides*). House Martins were nesting under the road bridge, while a Scarce Swallowtail butterfly and a Nine-spotted moth gave good views.

We then returned to Piano Pomieri, just above the hotel, where we took a footpath which wound gently through patches of trees and scrub, and we were delighted to find good numbers of Peonies (*Paeonia mascula*) in fine flower, mainly white but with some tinged pink. In the shady areas Primroses (*Primula vulgaris*) were just going over, and a Fallow Deer was glimpsed as it ran. A rustling by the path alerted us to another very fine male Western Green Lizard, with its blue head, and the animal, basking in the afternoon sun, appeared to be posing for us all to get excellent views and photographs, before virtually running over our shoes as it headed for shelter.

It seemed a shame to return to the hotel on such a sunny late afternoon so, moving on, we then took a small track just west of the Portella di Mandarini. The track quickly became impassable, so we parked up and explored the woodland and open grassland. Plants here included an endemic Bulbous Comfrey (Symphytum gussonei), Pendulous Garlic (Allium pendulinum), Dark Grape Hyacinth (Muscari neglectum) and a single, fine specimen of Roman Orchid (Dactylorhiza romana), possibly of the form known as markusii. We eventually returned to the hotel for our final evening together, saying goodbye to Philip and Susan, who were travelling on to Palermo, the following day.

Day 8

Tuesday 12th May

Hotel Pomieri to Catania, to London Gatwick

We had a very early start this morning in order to be at Catania for our morning flight back to Gatwick. The hotel staff were all there to give us an early breakfast and to wish us well. We said our farewells and thanks, travelling along a newly-opened route to the autostrada. We had excellent views of Mount Etna, with its steam hanging in the clear air. The journey went smoothly and we made good time, returning home with many memories and photographs of an enjoyable week, exploring the Wild Flowers (plus birds, butterflies and other insects, and reptiles!) of Sicily.

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The Group on Mount Etna

Species Lists

Plants (** = Endemic to Sicily; * = Endemic to Italy and Sicily)

Scientific name Common name Location

PTERIDOPHYTES FERNS & ALLIES

Lycophytes

Selaginellaceae Lesser Clubmoss Family

Selaginella denticulate Mediterranean Clubmoss Gibilmanna

Calamophytes

Equisetaceae Horsetail Family

Equisetum telmateia Giant Horsetail Fiumefreddo

Leptosporangiate Ferns True Ferns

Aspleniaceae Spleenwort Family

Asplenium adiantum-nigrumBlack SpleenwortZafferanaAsplenium ceterachRustybackCase PerrottaAsplenium obovatumLanceolate SpleenwortAbove MiloAsplenium onopterisIrish SpleenwortAbove MiloAsplenium trichomanesMaidenhair SpleenwortAbove Milo

Athyriaceae Lady-fern Family

Athyrium filix-femina Lady-fern Zafferana

Cystopteraceae Bladder-fern Family

Cystopteris fragilis Brittle Bladder-fern Above Linguaglossa

Dennstaedtiaceae Bracken Family

Pteridium aquilinum Bracken Above Milo

Polypodiaceae Polypody Family

Polypodium cambricum Southern Polypody Case Perrotta

Pteridaceae Ribbon Fern Family

Anogramma leptophylla Jersey Fern Above Milo

GYMNOSPERMS CONIFERS

Cupressaceae Juniper Family

Juniperus communis (ssp. hemisphaericum)

Juniper Rifugio Citelli

Juniperus oxycedrus Prickly Juniper Vallone Madonna degli Angeli

Pinaceae Pine Family

Abies nebrodensis** Sicilian Fir (Nebrod Pine) Vallone Madonna degli Angeli Pinus nigra subsp. Laricio Corsican Pine Rifugio Citelli

Pinus pinea Stone or Umbrella Pine Roadsides

Scientific name Common name Location

ANGIOSPERMS FLOWERING PLANTS

Pre-dicots Primitive Angiosperms

Aristolochiaceae Birthwort Family

Aristolochia rotunda A Birthwort Zafferana

Eu-dicots True Dicotyledons

Acanthaceae Bear's-breech Family

Acanthus mollis Bear's-breech Fiumefreddo and roadsides

Adoxaceae Moschatel Family

Sambucus ebulusDwarf ElderFiumefreddoSambucus nigraElderRoadsides

Amaranthaceae Amaranth Family

Achyranthes aspera Devil's Horse-whip Fiumefreddo

Apiaceae Carrot Family

Anthriscus nemerosa A Cow Parsley Zafferana

 Cachrys ferulacea
 Piano Battaglia - widespread

 Conium maculatum
 Hemlock
 Castellana Sicula

 Conopodium majus
 Pignut
 Bosco di Ficuzza

 Daucus carota
 Wild Carrot
 Cottone

 Flacosolinum application
 Castellana Sigula

Elaeoselinum asclepium Elaeoselinum Castellana Sicula
Eryngium campestre Field Eryngo Petralia

Ferula communis subsp. CommunisGiant FennelRoadsides - very commonLaserpitium siler subsp. garganicumA SermountainVallone Madonna degli Angeli

Oenanthe globulosa Water Dropwort Petralia

Opoponax chironium Hercules All-heal Vallone Madonna degli Angeli (leaves)
Scandix pecten-veneris Shepherd's Needles Petralia

Smyrnium perfoliatum subsp.
Rotundifolium
Thapsia garganica
Thapsia
Thapsia
Thapsia
Thapsia
Thapsia
Thapsia
Thapsia
Thapsia

Torilis arvensis cf subsp. heterophylla A Spreading Hedge-parsley Above Linguaglossa

Apocynaceae Periwinkle Family

Nerium oleander Oleander Roadsides (planted)

Aguifoliaceae Holly Family

Ilex aquifolia Holly Petralia

Araliaceae Ivy Family

Hedera helix Ivy Widespread

Asteraceae Daisy Family

Anthemis aetnensis** Etna Daisy Rifugio Sapienza, in bud
Anthemis cretica (A. montana) - Above Milo

Anthemis cupaniana** - Petralia
Arctium lappa Burdock Fiumefreddo

Artemisia alba A Wormwood Vallone Madonna degli Angeli

Artemisia arborescens A Wormwood Isnello Gorge

Scientific name Common name Location Bellis perennis (var. strobliana**) Daisy Piano Battaglia Southern Daisy Bellis sylvestris Above Milo Calendula arvensis Field Marigold Castellana Sicula Carduus pycnocephalus Plymouth Thistle Above Milo Vallone Madonna degli Angeli Carduus macrocephalus (subsp. siculus) Carduus nutans Musk Thistle Above Linguaglossa Carlina nebrodensis** **Nebrod Carline Thistle** Above Milo Carthamus (Carduncellus) caeruleus Carduncellus Near Collesano Monte Quacella Carthamus (Carduncellus) pinnatus Centaurea busambarensis** a grey-leaved Knapweed Isnello Gorge Centaurea calcitrapa Red Star-thistle Petralia Centaurea napifolia a Knapweed Near Collesano a Knapweed Near Collesano Centaurea sicula Centaurea solstitialis Yellow Star-thistle Near Collesano Cirsium creticum Fiumefreddo Crepis capillaries Smooth Hawk's-beard Bosco di Ficuzza Crepis rubra Pink Hawk's-beard Bosco di Ficuzza Crepis capillaris x C.rubra a hybrid Hawk's-beard Montaspro Crupina crupinastrum Crupina Isnello Gorge Cornflower Above Linguaglossa Cyanus segetum (Centaurea cyanus) Cynara cardunculus Cardoon Near Collesano Fiumefreddo Dittrichia viscose Stink Aster Doronicum orientale a Leopard's-bane Above Milo Filago (Evax) astericifolia **Greater Evax** Monte Quacella Evax Gibilmanna Filago (Evax) pygmaea Filago vulgaris Common Cudweed Gibilmanna Galactities tomentosa Galactites Roadsides - widespread Glebionis coronarium Crown Daisy Roadsides - widespread Glebionis segetum Isnello Gorge Corn Marigold Helichrysum italicum An Everlasting Isnello Gorge Helichrysum nebrodensis** An Everlasting Vallone Madonna degli Angeli **Curry Plant** Above Milo Helichrysum stoechas Hyoseris radiate Hyoseris Petralia Vallone Madonna degli Angeli Jurinea bocconii Jurinea Lactuca serriola Prickly Lettuce Case Perrotta Logfia (Filago) minor Small Cudweed Gibilmanna Near Collesano Notobasis syriaca Syrian Thistle Pallenis spinosa **Pallenis** Collesano Phagnalon rupestre Phagnalon Fiumefreddo Annual Ptilostemon Isnello Gorge Ptilostemon stellatus Ragadiolus edulis Zafferana Scolymus grandiflorus Oyster Plant Collesano Scorzonera hirsute Hairy Viper's-grass Vallone Madonna degli Angeli Senecio ambiguous** A Ragwort Slopes of Etna Senecio candidus** A Ragwort Rifugio Sapienza Senecio squalidus subsp. aethnensis** A Ragwort Rifugio Citelli Senecio squalidus subsp. squalidus Rock Ragwort Piano Pomieri Senecio squalidus var. glaber** A Ragwort Above Milo Senecio vulgaris Groundsel Above Milo Tanacetum siculum Etna Tansv Rifuaio Citelli Tragapogon hybridum Hybrid Goat's-beard Near Collesano Tragopogon porrifolius Salsify Isnello

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Colt's-foot

Tussilago farfara

Piano Pomieri

Scientific name	Common name	Location
Urospermum dalechampii Urospermum picroides	Urospermum -	Fiumefreddo Fiumefreddo
Doubouidesses	Davis avery Family	
Berberidaceae Berberis aetnensis	Barberry Family	Slange of Etna
berberis detrierisis	Etna Barberry	Slopes of Etna
Betulaceae	Birch Family	
Betula aetnensis**	Etna Birch	Rifugio Citelli
Corylus avellana	Hazel	Above Milo
Boraginaceae	Borage Family	
Anchusa cretica	-	Above Milo
Borago officinalis	Borage	Castellana Sicula
Cerinthe majus	Honeywort	Zafferana
Cynoglossum creticum	Blue Hound's-tongue	Near Collesano
Echium italicum	Pale Bugloss	Castellana Sicula
Echium plantagineum	Purple Viper's-bugloss	Cottone
Echium vulgare	Viper's Bugloss	Near Collesano
Myosotis incrassate	a Forget-me-not	Piano Provezana
Myosotis ramosissima	Early forget-Me-Not	Piano Battaglia
Myosotis sylvatica	Wood Forget-me-not	Portella di Mandarini
Onosma echioides subsp. canescens	Golden Drops	Vallone Madonna degli Angeli
Symphytum gussonei**	A Comfrey	Portella di Mandarini
Brassicaceae	Cabbage Family	
Aetheonema saxatile	Burnt Candytuft	Vallone Madonna degli Angeli
Alyssum nebrodense**	An Alyssum	Vallone Madonna degli Angeli
Arabis caucasica	Alpine Rockcress	Piano Provezana
Arabis turrita	Tower Cress	Zafferana
Aubrieta deltoidea	an Aubrieta	Piano Battaglia
Barbarea bracteosa	A Wintercress	Piano Battaglia
Biscutella didyma	A Buckler-mustard	Above Linguaglossa
Cakile maritime	Sea Rocket	Cottone
Capsella bursa-pastoris	Shepherd's-purse	Case Perrotta
Erysimum bonannianum**	A Treacle-mustard	Above Milo
Iberis pruitii	Candytuft	Vallone Madonna degli Angeli
Isatis tinctoria subsp. Canescens	Woad	Above Milo
Lobularia maritime	Sweet Alyssum	Piano Battaglia
Matthiola fruticulosa var. sicula**	Sad Stock	Vallone Madonna degli Angeli
Matthiola tricuspidata	Three-horned Stock	Cottone
Sisymbrium altissimum	Tumbling Mustard	Roadsides
Sisymbrium officinale	Hedge Mustard	Roadsides
Campanulaceae	Bellflower Family	
Campanula erinus	Annual Bellflower	Zafferana
Capparaceae	Caper Family	
Capparis spinosa	Caper	Isnello Gorge
Caprifoliaceae	Honeysuckle Family	
Centranthus ruber	Red Valerian	Above Milo
Dipsacus fullonum	Teasel	Roadsides
Fedia cornucopiae	Fedia	Above Linguaglossa

Scientific name Common name Location Scabious Knautia integrifolia Zafferana Etruscan Honeysuckle Above Linguaglossa Lonicera etrusca Scabiosa cretica Isnello Gorge Valeriana tuberose A Valerian Vallone Madonna degli Angeli Caryophyllaceae **Pink Family** Arenaria grandiflora subsp. grandiflora Large-flowered Sandwort Vallone Madonna degli Angeli Cerastium tomentosum Snow-in-Summer Vallone Madonna degli Angeli Petrorhagia dubia (velutina) A Childing Pink Petralia Rifugio Sapienza Sicilian Soapwort Saponaria sicula Scleranthus aetnensis** a Knawel Rifugio Citelli Scleranthus perennis subsp. a Perennial Knawel Above Milo vulcanicus* Silene conica Sand Catchfly Above Linguaglossa Silene gallica Small-flowered Catchfly Case Perrotta Silene italic Near Collesano Italian Catchfly Silene latifolia White Campion Zafferana Silene vulgaris Bladder campion Zafferana Stellaria media Common Chickweed Zafferana Cistaceae **Rockrose Family** Cistus creticus Cretan Cistus Gibilmanna Cistus monspeliensis Narrow-leaved Cistus Gibilmanna Cistus salvifolius Sage-leaved Cistus Bosco di Ficuzza Helianthemum cinereum A Rockrose Vallone Madonna degli Angeli Helianthemum nummularium Piano Poimieri Rockrose Convolvulaceae **Bindweed Family** Calystegia silvatica Large Bindweed Roadsides Convolvulus althaeoides Mallow-leaved Bindweed Cottone Convolvulus arvensis Field Bindweed Bosco di Ficuzza Convolvulus elegantissimus Isnello Gorge Convolvulus tricolor Near Collesano Cuscuta epithymum Common Dodder Isnello Gorge Crassulaceae **Stonecrop Family** Sedum caeruleum Blue Stonecrop Petralia Sedum cepaea Zafferana A Stonecrop Sedum dasyphyllum Piano Pomieri Fat-leaved Stonecrop Sedum forsterianum Rock Stonecrop Above Milo Sedum hispanicum Spanish Stonecrop Vallone Madonna degli Angeli Sedum ochroleucum Pale Stonecrop Vallone Madonna degli Angeli Sedum rubens Slopes of Etna Red Stonecrop Sedum stellatum Starry Stonecrop Zafferana Umbilicus horizontalis A Wall Pennywort Collesano Umbilicus rupestris Wall Pennywort Case Perrotta Ericaceae **Heather Family** Erica arborea Tree Heather Gibilmanna

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Large Mediterranean Spurge

Roadsides Isnello Gorge

Spurge Family

Tree Spurge

Euphorbiaceae

Euphorbia dendroides

Euphorbia characias subsp. characias

Scientific name Common name Location Euphorbia helioscopia Sun Spurge Above Milo Euphorbia rigida Narrow-leaved Glaucous Spurge Petralia **Pea Family** Fabaceae Anthyllis vulneraria Kidney Vetch Petralia Anthyllis vulneraria subsp. rubriflora Mediterranean Kidney Vetch Petralia Astragalus depressus Sprawling Milk Vetch Piano Battaglia Nebrod Milk Vetch Piano Pomieri Astragalus nebrodensis** Etna Milk Vetch Astragalus siculus** Rifugio Citelli Bitumaria bituminosa Pitch Trefoil Roadsides Calycotome infesta Thorny Broom Roadsides round Etna Calycotome villosa Gibilmanna Annual Scorpion-vetch Coronilla scorpioides Montaspro Cytisus villosus Hairy Broom Petralia Genista aetnensis** Etna Broom Slopes of Etna Genista cupanii** an endemic Greenweed Petralia Genista ephedroides* an endemic Greenweed Isnello Gorge Hedysarum coronarium Italian Sainfoin Roadsides and fields Lathyrus anuus Fiumefreddo Lathyrus aphaca Yellow Vetchling Above Linguaglossa Lathyrus clymenum Zafferana Lathyrus ochrus Cyprus Pea Bosco di Ficuzza Lathyrus odoratus** Sweet Pea Castellana Sicula Lathyrus setifolius Above Milo Lotus cytisoides Cottone Lotus tetragonolobus Asparagus Pea Bosco di Ficuzza Narrow-leaved Lupin Above Milo Lupinus angustifolius Medicago orbicularis Disc Medick Cottone Cottone Medicago polymorpha **Toothed Medick** Melilotus indicus **Small Melilot** Cottone Melilotus italicus a Melilot Petralia Compressed Bird's-foot Above Milo Ornithopus compressus Robinia pseudoacacia False Acacia Roadsides Spartium junceum Spanish Broom Roadsides Trifolium arvense Hare's-foot Clover Case Perrotta Trifolium campestre Hop Trefoil Widespread Trifolium hybridum Alsike Clover Zafferana Trifolium incarnatum subsp. molinieri Case Perrotta White Clover Trifolium repens Above Milo Reversed Clover Cottone Trifolium resupinatum Trifolium stellatum Starry Clover Above Milo Tripodion tetraphyllum (Anthyllis Bladder Vetch Isnello Gorge tetraphylla) Vicia bithynica Petralia Vicia hybrida Hairy Yellow Vetch Zafferana Vicia lathyroides Slopes of Etna Vicia melanops Yellow and Black Pea Zafferana Vicia villosa subsp. ambigua Fodder Vetch (pale) Above Milo Fodder Vetch Vicia villosa subsp. villosa Case Perrotta **Beech Family** Fagaceae

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Above Milo Piano Pomieri

Sweet Chestnut

Beech

Castanea sativa

Fagus sylvatica

Scientific name Common name Location Quercus cerris Turkey Oak Above Linguaglossa Gibilmanna Quercus ilex Holly Oak Quercus pubescens Downy Oak Above Milo Quercus suber Cork Oak Near Isnello Geraniaceae **Geranium Family** Common Stork's-bill Erodium cicutarium Zafferana Geranium dissectum Cut-leaved Crane's-bill Fiumefreddo and near Collesano Dove's-foot Crane's-bill Above Milo Geranium molle Little Robin Zafferana Geranium purpureum Hedgerow Crane's-bill Piano Pomieri Geranium pyrenaicum Geranium rotundifolium Round-leaved crane's-bill Above Milo Bloody Crane's-bill Zafferana Geranium sanguineum Hypericaceae St. John's-wort Family Hypericum australe A St. John's-wort (no 'dots') Petralia Lamiaceae **Dead-nettle Family** Clinopodium (Acinos) alpinum Alpine Basil Thyme Petralia Near Collesano Lamium bifidum Lamium garganicum Large Red Deadnettle Piano Pomieri Gibilmanna Lavandula stoechas French Lavender Bastard Balm Gibilmanna Melittis melissophyllum Mentha aquatica Water Mint Fiumefreddo Mentha arvensis Corn Mint Near Collesano Mentha pulegium Pennyroyal Case Perrotta Zafferana Micromeria graeca subsp. constentina* Origanum vulgare Marjoram Above Linguaglossa Prasium majus Prasium Isnello Gorge Salvia verbenaca Wild Clary Case Perrotta Monte Quacella Thymus capitatus A Thyme Flax Family Linaceae Biennial Flax Case Perrotta Linum bienne Linum punctatum A Flax Vallone Madonna degli Angeli Linum trigynum A small yellow Flax Isnello Gorge Lythraceae **Loosesrife Family** Lythrum junceum Near Collesano Lythrum salicaria Purple Loosestrife Fiumefreddo (leaves) **Mallow Family** Malvaceae Lavatera arborea Tree Mallow Roadsides Lavatera trimestris Near Collesano **Annual Mallow** Malva sylvestris Case Perrotta Common Mallow **Mulberry Family** Moraceae Ficus carica Fig Case Perrotta (planted) Oleaceae Olive Family Fraxinus angustifolia Narrow-leaved Ash Bosco di Ficuzza Fraxinus ornus Flowering Ash Roadsides

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Isnello Gorge

Olive

Olea europaea

Scientific name

Orobanchaceae

Bellardia trixago
Odontites bocconii**
Orobanche minor
Orobanche pubescens
Orobanche ramosa
Orobanche rapum-geni

Orobanche rapum-genistae Orobanche variegata Parentucellia viscosa

Oxalidaceae

Oxalis corniculata
Oxalis pres-caprae

Paeoniaceae

Paeonia mascula (white)

Papaveraceae

Corydalis solida Fumaria capreolata Fumaria officinalis

Papaver dubium subsp. dubium

Papaver rhoeas

Plantaginaceae

Linaria purpurea Linaria simplex Misopates orontium Plantago cupani Plantago lanceolata Plantago major Plantago serraria Veronica cymbalaria Veronica persica Veronica serpyllifolia

Polygonaceae

Persicaria hydropiper Rumex acetosella Rumex bucephaliflorus Rumex crispus Rumex pulcher Rumex scutatus

Rumex scutatus forma aetnensis**

Primulaceae

Anagallis arvensis

Anagallis arvensis (var caerulea)

Cyclamen hederifolium Cyclamen repandum Primula vulgaris

Common name

Location

Broomrape Family

Bellardia Cottone

A perennial Bartsia

Common Broomrape

A Broomrape (mainly white)

Branched Broomrape

Greater Broomrape

A Broomrape (dark red)

Vallone Madonna degli Angeli

Zafferana

Near Collesano

Above Linguaglossa

Gibilmanna

Yellow Bartsia Petralia

Wood-sorrel Family

Procumbent Yellow Sorrel Fiumefreddo
Bermuda Buttercup Fiumefreddo

Peony Family

Peony Piano Pomieri

Poppy Family

Bird-in-a-bush Piano Battaglia
White Ramping Fumitory Case Perrotta

Output Description: Value Medican deals

Common Fumitory Vallone Madonna degli Angeli Long-headed Poppy Vallone Madonna degli Angeli

Common Poppy Cottone

Plantain Family

Purple Toadflax Above Milo (leaves) a Toadflax Piano Pomieri (over) Weasel-snout Fiumefreddo A Plantain (pinnatisect leaves) Petralia Ribwort Plantain Cottone Greater Plantain Cottone A Plantain (toothed leaves) Petralia White Speedwell Zafferana Fiumefreddo Common Field Speedwell Piano Pomieri Thyme-leaved Speedwell

Dock Family

Waterpepper Fiumefreddo
Sheep Sorrel Above Milo
Horned Dock Above Milo
Curled Dock Case Perrotta
Fiddle Dock Case Perrotta

French Sorrel Vallone Madonna degli Angeli

Etna Sorrel Above Milo

Primrose Family

Scarlet Pimpernel Catania Airport
Scarlet Pimpernel (Blueflowered) Bosco di Ficuzza
Common Sowbread Zafferana (leaves)
Spring Sowbread Above Linguaglossa
Primrose Piano Pomieri

Scientific name Common name Location Ranunculaceae **Buttercup Family** Piano Battaglia Anemone apennina Blue Anemone Anemone hortensis An Anemone Petralia Clematis vitalba Traveller's Joy Zafferana (leaves) Lesser Celandine Piano Battaglia Ficaria verna agg. Nigella damascena Love-in-a-mist Isnello Gorge Ranunculus arvensis Corn Buttercup Near Collesano Ranunculus bulbosus **Bulbous Buttercup** Near Collesano Ranunculus millefoliatus Million-leaved Buttercup Above Milo Ranunculus monspeliacus subsp. Above Milo saxatilis Ranunculus peltatus Pond Water-crowfoot Gibilmanna (lunch stop) Ranunculus sceleratus Celery-leaved Buttercup Near Collesano Thalictrum aquilegifolium Great Meadow-rue Vallone Madonna degli Angeli Resedaceae **Mignonette Family** Reseda alba White Mignonette Cottone Rosaceae Rose Family Near Collesano Agrimonia eupatoria Agrimony Amelanchier ovalis Juneberry Vallone Madonna degli Angeli Crataegus orientalis (C. laciniata) A Hawthorn Piano Battaglia Hawthorn Roadsides Crataegus monogyna Geum urbanum Wood Avens Zafferana Potentilla calabra A Cinquefoil Piano Provenzana Prunus dulcis Almond Isnello Gorge Prunus spinosa Blackthorn Piano Pomieri Pyrus spinosa (P.amygdaliformis) Almond-leaved Pear Petralia Rosa canina agg Dog Rose Above Milo Rubus fruticosus agg Bramble Above Milo Sanguisorba minor Salad Burnet Above Milo Sorbus aria Whitebeam Vallone Madonna degli Angeli Rubiaceae **Bedstraw Family** Galium aetnicum** Piano Provenzana Galium album agg Hedge Bedstraw Isnello Gorge Galium aparine Cleavers Zafferana Rubia peregrina Madder Above Milo Sheradia arvensis Field Madder Above Milo **Willow Family** Salicaceae White Poplar Fiumefreddo Populus alba Salix alba White Willow Fiumefreddo Salix caprea **Goat Willow** Above Milo Santalaceae Sandalwood Family Viscum album subsp. album Mistletoe Piano Pomieri

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Piano Pomieri

Zafferana

Maple Family

Field Maple

A Maple

Sapindaceae

Acer campestre Acer obtusatum

Scientific name Common name Location Saxifragaceae **Saxifrage Family** Saxifraga bulbifera **Bulbous Saxifrage** Petralia Meadow Saxifrage Saxifraga granulata Above Linguaglossa Scrophulariaceae **Figwort Family** Scrophularia canina French Figwort Above Milo Verbascum sinuatum Wavy-leaved Mullein Collesano (leaves) Simaroubaceae Tree of Heaven family Ailanthus altissima Tree of Heaven Roadsides (planted) Urticaceae **Nettle Family** Pelitory-of-the-Wall Case Perrotta Parietaria judacea Parietaria officinalis Fiumefreddo Urtica dioica Nettle Fiumefreddo Case Perrotta Urtica membranacea Mediterranean Nettle Thymelaeaceae **Daphne Family** Daphne laureola Spurge Laurel Above Milo Verbenaceae Verbena Family Lantana camara Lantana Roadsides (planted) Violaceae **Violet Family** Viola aethnensis** Etna Violet Piano Provenzana Viola parvula Lunch stop, slopes of Etna Monocotyledons Μ

Amaryllidaceae	Daffodil Family	
Allium ampeloprasum	Wild Leek	Near Collesano
Allium pendulinum	Pendulous Garlic	Portella di Mandarini
Allium roseum	Rosy Garlic	Castellana Sicula
Allium subhirsutum	Hairy Garlic	Near Collesano
Allium triquetrum	Three-cornered Leek	Gibilmanna
Narcissus tazetta	A Daffodil	Piano Battaglia

Araceae **Lords and Ladies Family** Arum italicum subsp. neglectum Large Cuckoo Pint (plain leaves) Piano Pomieri

	,	
Asparagaceae	Asparagus Family	
Agave americana	Agave or Century Plant	Roadsides (planted)
Asparagus acutifolius	Prickly Asparagus	Zafferana
Bellevalia dubia	-	Piano Battaglia
Bellevalia romana	-	Portella di Mandarini
Leopoldia (Muscari) comosum	Tassel Hyacinth	Above Milo
Muscari neglectum	Grape Hyacinth	Petralia
Ornithogalum arabicum	A Star of Bethlehem	Near Collesano
Ornithogalum montanum	Mountain Star of Bethlehem	Piano Battaglia
Ornithogalum narbonense	A Star of Bethlehem	Near Collesano
Ornithogalum umbellatum	Common Star of Bethlehem	Petralia
Ruscus aculeatus	Butcher's-broom	Above Milo
Scilla bifolia	Alpine Squill	Piano Battaglia

Scientific name Common name Location Cyperaceae **Sedge Family** Zafferana Carex depauperata Starved Wood-sedge Carex cuprina (C. otrubae) False Fox Sedge Fiumefreddo Carex laevigata Smooth-stalked Sedge Fiumefreddo Fiumefreddo Carex riparia Greater Pond Sedge Cyperus papyrus (subsp. siculus**) **Papyrus** Fiumefreddo Dioscoraceae Yam Family Black Bryony Zafferana Dioscorea (Tamus) communis Iridaceae Iris Family Gladiolus italicus Italian Gladiolus Castellana Sicula Snake's-head Iris Petralia (seed pods) Hermodactylus tuberosus Iris pseudacorus Yellow Flag Fiumefreddo Iris pseudopumila (Purple form) An Iris Vallone Madonna degli Angeli Iris pseudopumila (Yellow two-tone An Iris Vallone Madonna degli Angeli form) Moraea sisyrinchium **Barbary Nut** Petralia Romulea bulbocodium a Romulea Piano Battaglia Juncaceae **Rush Family** Luzula forsteri Southern Woodrush Above Milo Liliaceae **Lily Family** Gagea foliosa A Yellow Star of Bethlehem Piano Battaglia Gagea liotardii (G. fragifera, G. fistulosa) A Yellow Star of Bethlehem Piano Battaglia **Orchid Family** Orchidaceae Note: The Orchidaceae are an evolving group, and subject to debate between 'splitters' (eg. Delforge) and 'lumpers' (eg Kew). This list follows the Kew classification. Anacamptis laxiflora Lax-flowered Orchid Anacamptis morio subsp. morio Green-winged Orchid Above Linguaglossa Anacamptis morio subsp. longicornu Above Linguaglossa Anacamptis morio subsp. picta a Green-winged Orchid Above Linguaglossa Anacamptis papilionacea (var.grandiflora) Pink Butterfly Orchis Above Linguaglossa A. morio subsp. longicornu x subsp. a hybrid Orchis Above Linguaglossa morio a hybrid Orchis (A. x gennarii) Above Linguaglossa A. papilionacea x A. morio subsp. morio Cephalanthera damasonium White Helleborine Gibilmanna (in bud) Roman Orchid Dactylorhiza romana subsp. romana Above Linguaglossa Portella di Mandarini Dactylorhiza romana (formerly markusii) A Roman Orchid Dactylorhiza sambucina Elder-flowered Orchid Above Milo a hybrid Orchis (D. x Dactylorhiza romana x D. sambucina Above Linguaglossa rombucina) Lizard Orchid Piano Pomieri (leaves) Himantoglossum hircinum Violet Bird's-nest Orchid Zafferana Limodora abortivum Neotinea maculata Dense-flowered Orchid Above Linguaglossa (over) Neotinea tridentata **Toothed Orchid** Portella di Mandarini Neotinea tridentata (formerly commutata) a Toothed Orchid Above Linguaglossa Ophrys bertolonii Bertoloni's Bee Orchid Petralia Ophrys bombyliflora **Bumblebee Orchid** Bosco di Ficuzza Ophrys fuciflora subsp. lacaitae Lacaita's Ophrys Bosco di Ficuzza

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Petralia

Sombre Bee Orchid

Ophrys fusca agg

Scientific name	Common name	Location
Ophrys fusca subsp. fusca (flammeola**)	a Sombre Bee Orchid	Vallone Madonna degli Angeli
Ophrys fusca subsp. pallida	Pale Ophrys	Bosco di Ficuzza
Ophrys lutea subsp. galilea (formerly sicula)	-	Vallone Madonna degli Angeli
O. lutea ssp.galilea (formerly archimedea**)	-	Vallone Madonna degli Angeli
Ophrys lutea subsp. lutea	Yellow Bee Orchid	Monte Quacella
Ophrys speculum subsp. speculum	Mirror Orchid	Vallone Madonna degli Angeli
Ophrys sphegodes (formerly exaltata)*	An Early Spider Orchid	Vallone Madonna degli Angeli
Ophrys sphegodes subsp. atrata (incubacea)	Dark Ophrys	Petralia
O. tenthredinifera (formerly grandiflora**)	a Sawfly Orchid	Vallone Madonna degli Angeli
Orchis anthroporphora	Man Orchid	Vallone Madonna degli Angeli
Orchis brancifortii*	Brancifort's Orchid	Monte Quacella
Orchis italica	Naked Man Orchid	Monte Quacella
Orchis provincialis	Provence Orchid	Bosco di Ficuzza
Serapias lingua	Tongue Orchid	Bosco di Ficuzza
Serapias vomeracea	Plough-shareTongue Orchid	Petralia
Poaceae	Grass Family	
Aegilops ovalis	Aegilops	Castellana Sicula
Aira caryophyllea	Silver Hair-grass	Rifugio Citelli
Ampelodesmos mauritanicus	Mauritanian Grass	Vallone Madonna degli Angeli
Anthoxanthum odorata	Sweet Vernal Grass	Above Linguaglossa
Arundo donax	Giant Reed	Fiumefreddo
Avena sterilis	Winter Wild-oat	Castellana Sicula
Briza maxima	Great Quaking-grass	Petralia
Briza media	Quaking-grass	Above Milo
Calamagrostis epigejos	Wood Small Reed	Rifugio Citelli
Cynodon dactylon	Bermuda Grass	Cottone
Dactylis glomerata	Cock's Foot	Case Perrotta
Hordeum murinum	Wall Barley	Cottone
Poa bulbosa subsp. vivipara	Bulbous Meadow-grass	Above Milo
Poa violacea subsp. aetnensis**	-	Piano Provenzana
Sesleria nitida	-	Vallone Madonna degli Angeli
Smilaceae	Smilax Family	
Smilax aspera	Smilax	Gibilmanna
Sparganiaceae	Bur-reed Family	
Sparganium erectum	Branched Bur-reed	Fiumefreddo
Xanthorrhoeaceae	Asphodel Family	
Asphodeline lutea	Yellow Asphodel	Widespread
Asphodelus ramosus (aestivus)	Common Asphodel	Widespread
EUNCI		
FUNGI	LICHENS	
Lecanoromycetes Storoccaulon vocuvianum	Mount Vesuvius Lichen	Above Milo
Stereocaulon vesuvianum	IVIOUTIL VESUVIUS LICHEN	Above Millo

Birds (\checkmark = recorded not counted, H = heard only)

	Common name	Scientific name	5	6	7	8	9	10	11
1	Black Kite	Milvus migrans				✓			
2	Common Buzzard	Buteo buteo			✓	✓		Н	
3	Common Ringed Plover	Charadrius hiaticula			✓				
4	Yellow-legged Gull	Larus michahellis			✓			✓	
5	Rock Dove / Feral Pigeon	Columba livia (domest.)	✓	✓	✓	✓	✓	✓	✓
6	Common Wood Pigeon	Columba palumbus	✓	✓	✓	✓	✓	✓	✓
7	European Turtle Dove	Streptopelia turtur						Н	
8	Eurasian Collared Dove	Streptopelia decaocto			✓	✓		✓	✓
9	Common Cuckoo	Cuculus canorus	Н	Н	Н	Н	✓	Н	✓
10	Tawny Owl	Strix aluco				Н			
11	Common Swift	Apus apus	✓	✓	✓	✓	✓	✓	✓
12	Eurasian Hoopoe	Upupa epops	✓	✓	✓	✓	✓		
13	Great Spotted Woodpecker	Dendrocopos major							Н
14	Common Kestrel	Falco tinnunculus				✓		✓	
15	Eurasian Jay	Garrulus glandarius		✓	✓	✓	✓		✓
16	Common Magpie	Pica pica	✓	✓	✓	✓	✓	✓	✓
17	Western Jackdaw	Corvus monedula				✓		✓	
18	Hooded Crow	Corvus cornix		✓	✓	✓	✓	✓	✓
19	Northern Raven	Corvus corax						✓	✓
20	Coal Tit	Periparus ater		Н	Н	Н	✓	Н	Н
21	Eurasian Blue Tit	Cyanistes caeruleus			Н	✓	✓	Н	✓
22	Great Tit	Parus major	Н		Н	✓	✓	✓	Н
23	Woodlark	Lullula arborea		✓		✓	Н		
24	Barn Swallow	Hirundo rustica				✓	✓	✓	
25	Eurasian Crag Martin	Ptyonoprogne rupestris				✓			✓
26	Common House Martin	Delichon urbicum				✓			✓
27	Cetti's Warbler	Cettia cetti			Н				
28	Common Chiffchaff	Phylloscopus collybita	Н	Н	Н	Н	Н	Н	Н
29	Eurasian Blackcap	Sylvia atricapilla	Н	Н	Н	Н	Н	Н	Н
30	Subalpine Warbler	Sylvia cantillans				Н			
31	Sardinian Warbler	Sylvia melanocephala		✓	✓	Н			Н
32	Eurasian Wren	Troglodytes troglodytes		Н	Н	Н		Н	✓
33	Eurasian Nuthatch	Sitta europaea					Н		
34	Spotless Starling	Sturnus unicolor				✓	✓	✓	
35	Common Blackbird	Turdus merula		Н		✓	Н	✓	✓
36	Song Thrush	Turdus philomelos					✓		
37	European Robin	Erithacus rubecula		Н	Н	Н	Н	Н	Н
38	Common Nightingale	Luscinia megarhynchos			Н	Н		Н	
39	Black Redstart	Phoenicurus ochruros					✓		
40	Whinchat	Saxicola rubetra					✓		
41	Italian/Spanish Sparrow hybrid	Passer italiae/hispaniolensis		✓	✓	✓	✓	✓	✓
42	White Wagtail	Motacilla alba		✓		✓			
43	Grey Wagtail	Motacilla cinerea					✓		
44	Tree Pipit	Anthus trivialis					✓		
45	Common Chaffinch	Fringilla coelebs		Н	✓	✓	Н	✓	√
46	Common Linnet	Linaria cannabina		✓	✓				
47	European Greenfinch	Chloris chloris			✓				
48	European Goldfinch	Carduelis carduelis		✓	✓	✓	✓	✓	✓
49	European Serin	Serinus serinus	Н	✓	✓	✓		✓	✓

				Мау					
	Common name	Scientific name	5	6	7	8	9	10	11
50	Corn Bunting	Miliaria calandra				✓		Н	
51	Cirl Bunting	Emberiza cirlus				Н	Н	Н	Н

Butterflies

1	Swallowtail	Papilio machaon				✓			✓
2	Scarce Swallowtail	Iphiclides podalirius			✓		✓	✓	✓
3	Southern Festoon	Zerynthia polyxena				✓	✓		
4	Large White	Pieris brassicae	✓	✓	✓	✓	✓		✓
5	Small White	Artogeia rapae	✓	✓	✓	✓	✓		✓
6	Orange Tip	Anthocharis cardamines		✓	✓	✓	✓	✓	✓
7	Clouded Yellow	Colias crocea		✓	✓	✓	✓		✓
8	Cleopatra	Gonepteryx cleopatra							✓
9	Green Hairstreak	Callophrys rubi				✓			
10	Holly Blue	Celastrina argiolus							✓
11	Little Blue	Cupido minimus				✓	✓		✓
12	Green Underside Blue	Glaucopsyche alexis	✓		✓	✓			✓
13	Brown Argus	Aricia agestis						✓	
14	Common Blue	Polyommatus icarus			✓	✓	✓	✓	✓
15	Peacock Butterfly	Inachis io				✓			
16	Red Admiral	Vanessa atalanta	✓	✓		✓	✓	✓	✓
17	Painted Lady	Vanessa cardui	✓	✓	✓	✓	✓	✓	
18	Small Tortoiseshell	Aglais urticae			✓	✓			
19	Queen of Spain Fritillary	Issoria lathonia				✓			
20	Aetherie Fritillary	Melitaea aetherie						✓	
21	Heath Fritillary	Mellicta athalia				✓			
22	Meadow Brown	Maniola jurtina				✓		✓	✓
23	Southern Speckled Wood	Pararge aegeria aegeria		✓	✓	✓			✓
24	Wall Brown	Lasiommata megera	✓						
25	Small Heath	Coenonympha pamphilus			✓			✓	

Moths (C = Caterpillar; B = Bivouac / tent)

1	Forester	Adscita statices			✓		
2	Six-spot Burnet	Zygaena filipendulae					✓
3	A Lackey (not found in UK)	Malacosoma franconica			С	С	
4	Garden Carpet	Xanthorhoe fluctata			✓		
5	Latticed Heath	Chiasma clathrata		✓			
6	Pine Processionary Moth	Thaumetopoea pityocampa	В				
7	Nine Spotted Moth	Syntomis phegea					✓
8	Mother Shipton	Callistege mi				✓	

Other Invertebrates

1	Silverfish	Lepisma saccharina	✓					
2	Common Blue Damselfly	Enallagma cyathigerum		✓			✓	
3	Copper Demoiselle	Calopteryx haemorrhoidalis		✓				
4	Emperor Dragonfly	Anax imperator		✓				
5	Black-tailed Skimmer	Orthetrum cancellatum					✓	
6	Wart-biter (Cricket)	Decticus verrucivorus				✓		
7	Red and Black Bug	Lygaeus saxatilis				✓		
8	Assassin Bug	Rhinocoris iracundus	✓					
9	Froghopper	Cercopis vulnerata			✓			

						May	,		
	Common name	Scientific name	5	6	7	8	9	10	11
10	Ascalaphid	Libelloides coccajus				✓		✓	
11	Beefly	Bombylius sp.				✓	✓	✓	
12	Carpenter Bee	Xylocopa violacea	✓	✓	✓			✓	
13	Honey Bee	Apis mellifera				✓		✓	
14	White-tailed Bumblebee	Bombus lucorum		✓	✓	✓	✓		
15	Common Carder Bee	Bombus pascuorum					✓		
16	7-Spot Ladybird	Coccinella 7-punctata		✓					
17	2-Spot Ladybird	Adalia bipunctata						✓	
18	Churchyard Beetle	Blaps mucronata	✓						
19	Fat-thigh Beetle	Oedemera nobilis						✓	
20	Leaf Beetle	Phyllodecta vitellinae							✓
21	Red & black ladybird shape	Chrysolina polita							✓
22	Oriental Chestnut Gall Wasp	Dryocosmus kuriphilus		✓					
23	Millipede	Class Diplopoda		✓					
24	Crab Spider	Synaema globosum			✓				
25	Funnel-web Spider	Family Agelenidae						✓	

Mammals (S = signs of)

1	Fallow Deer	Dama dama			Antler	✓
2	Wild Boar	Sus scofa				S
3	Red Squirrel	Sciurus vulgaris	S			

Amphibians & Reptiles (D = dead)

1	Moorish Gecko	Tarentola mauritanica			D			
2	Western Green Lizard	Lacerta bilineata					✓	✓
3	Italian Wall Lizard	Podarcis sicula	✓	✓	✓	✓	✓	✓
4	Slow Worm	Anguis fragilis					✓	