

# Flowers of Italy's Gargano Peninsula

Naturetrek Tour Report

21 - 28 April 2014



Cream-spot Tiger



Sparse-flowered Orchid (*Orchis pauciflora*)



Pink Butterfly Orchid (*Anacamptis papilionacea*)



Dark Ophrys (*Ophrys sphegodes* subsp. *atrata*)

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Images courtesy of Richard Capon



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## Summary

We experienced a week of variable weather, with some spells of pleasant sunshine, but also some spells of rain and one spectacular thunderstorm. In Monte Sant'Angelo there was some low cloud and brisk winds to contend with, but near the coast we enjoyed sunny conditions which brought many insects onto the wing. The orchids were present in good numbers this year with over 40 species and a few hybrids found, but we also had plenty of time to study some of the other rich flora of the region, with some colourful displays of Irises, Poet's Narcissi, Anemones and Cyclamens in the woodlands and roadsides lined with Giant Fennel, Common Mallow and Crown Daisies. We found many other Mediterranean species, including some Gargano endemics, and a number of British rarities. Butterflies recorded during the week included a few familiar British species such as Wall Brown and Small Heath, but we also saw and photographed Swallowtail, Scarce Swallowtail, various blues and a variety of 'whites' including the attractive Eastern Dappled White. Italian Wall Lizards were seen on sunny days, some basking and allowing photographs, but most dashing for cover as soon as they were spotted. Our short bird-watching stop at the disused salt-pans on the coast gave us some good views of a number of waders and other wetland species, and we saw and heard many more typical Mediterranean birds during the week, such as the Serins in the conifers outside the hotel, Sub-alpine Warblers in most bushy areas and Cirl Buntings on open hillsides.

## Day 1

**Monday 21st April**

**Weather:** Heavy rain in the morning but clearing later. Low cloud at Monte Sant'Angelo. 19°C

Andrew and Jessica had just said goodbye to the first Naturetrek 2014 group when the second group was arriving at Bari airport. David and Geoff were already in Bari so once everyone had their luggage we were able to get loaded up and set off.

The first length of the journey took us along the auto-route through flat agricultural land where we passed the large areas of olive plantations and market gardens of the lowland areas. We then headed for the coast along minor roads lined with colourful displays of Crown Daisies, Mallows, Poppies and Giant Fennel. There were a few sightings of Marsh Harrier and Lesser Kestrel as we neared the coast. We stopped off at an area of derelict salt-pans and muddy creeks near a deserted beach where we found some typical coastal plants such as Sea Rocket. Yellow-legged Gulls, Little Egrets and Greater Flamingos were present on the salt pans, and a few Kentish Plovers were feeding on the beach. Mediterranean Gulls were seen on the marsh, and offshore there were a number of Slender-billed Gulls feeding in the choppy sea. After a pleasant break here we continued our journey to Monte Sant'Angelo, climbing up and up until we were in the clouds. Once everyone had settled in we had a brief gathering and briefing session before our evening meal.

## Day 2

Tuesday 22nd April

Weather: A sunny day, but a little cloudy by the evening. 22°C

We all met up again at breakfast and then Andrew and Jessica went to the supermarket lunch supplies. We were ready to leave the hotel 09 15 and our first experience of the Gargano flora was at the side of the road, only a few minutes drive from the hotel, along the road leading to the Pulsano Monastery. Sharp eyes spotted the first orchids on the roadside, including the tiny form of the Yellow Bee Orchid, *Ophrys sicula*, and the endemic derivative of the Early Spider Orchid *Ophrys garganica*. Working our way carefully over the grassy hillside, many more orchid species were found, growing amongst the bright yellow flowers of Alyssum *Alyssum saxatile* and Horseshoe Vetch *Hippocrepis comosa*. The most easily spotted orchid was the Pink Butterfly Orchid *Anacamptis (Orchis) papilionacea*, and all around were spikes of the Green-veined Orchid *Anacamptis (Orchis) morio*, showing some variation in form and colour, although most of them were past their best by now. We were also able to find one or two of the hybrids between these two species.

Further up the slope the prickly cushions of the Spiny Spurge *Euphorbia spinosa* were bright with yellow flowers and were honey-scented. More of the variants of the Early Spider Orchid *Ophrys sphegodes* were found on the higher slopes and there was plenty of time for the photographers to choose the best specimens and concentrate and getting good shots. We added specimens of Bertoloni's Bee Orchid *Ophrys bertolonii*, and *Ophrys promontorii* to the list before it was time to leave this very rich site. Moving further along the road, we parked beside a copse of Hornbeams and checked the slopes on either side of the road leading up to a radio mast. Here we added Milky Orchids *Neotinea (Orchis) lactea* to the list as well as more *Ophrys* species and many more Man Orchids *Orchis anthropophorum*. The attractive hybrid between Man and Naked Man orchid *Orchis x bivonae* was also found here. Several buds of Lady Orchids were spotted and a few were just starting to open. This was a convenient spot for our first picnic lunch and we were able to enjoy some local produce and wines.

We then drove further along the road to the Monastery, through large stands of Common Asphodel, and flowering Almond-leaved Pear *Pyrus amygdaliformis* trees along the way. The walls of the monastery supported some interesting species, including the poisonous Henbane *Hyoscyamus niger*, and we looked for the endemic Pale Goldendrops *Onosma lucana* in its usual site on the edge of the gorge, finding a few non-flowering plants on the rocks below the large cross. The three species of Asphodel all grow in the same spot here, and we also found a few plants of Ground Pine *Ajuga chamaepitys* close to the monastery.

We explored the extensive grottos and then took a slow walk down the wide track behind the monastery where, despite some minor road-works we found a colony of Bumble-bee Orchids *Ophrys bombyliflora* and some very fine Late Spider Orchids *Ophrys fuciflora* and the endemic *Ophrys apulica*. It was tempting to go on and on, along the gentle slope, and we found a few good plants of *Onosma lucana* on the rock face beside the road. Eventually it was time for us to leave this peaceful spot and we returned to the hotel for our evening meal and a get-together to discuss our finds.

## Day 3

Wednesday 23rd April

Weather: A cold grey day with rain at times. 9°C

After Andrew and Jessica had returned from the supermarket we loaded up and took the road out of town towards San Giovanni Rotondo. Our first stop was in the valley below Monte Sant'Angelo where we searched the margins of the cultivated fields alongside the road hoping to find Wild Tulips. A few were just visible among the crops but we did not venture far into the fields. As well as the remains of Winter Aconite *Eranthis hyemalis* there were some other interesting 'cornfield weeds' growing in bare patches which are now very rare in Britain.

The next roadside stop, a few miles further on, enabled us to find more of *Ophrys* species, including several specimens of the very confusing Early Spider Orchid *Ophrys sphegodes* group. Some patches of Irises, *Iris lutescens* were seen on the rough ground near the road and around the parking area. The flatter area adjacent to the parking area was covered in orchids, especially *Orchis italica* and we added some more species to the list, including some Giant Orchids *Himantoglossum robertianum*, almost over but still showing some flowers, and some tiny Burnt Orchids *Neotinea ustulata*. There were many non-flowering spikes of Lizard Orchid *Himantoglossum hircinum* in the same area. A short walk towards a little grove of oak trees produced some of the endemic Violas *Viola heterophylla* ssp *graeca*.

Driving on a short distance towards the forest enabled us to find one or two wild Peonies *Paeonia mascula* on steep bank; some more were seen in bud but were surrounded by dense scrub. The road into the forest gradually turned into a stony track as it climbed the hillside, with steep banks lined with ferns and mosses; we spotted large stands of narcissi and anemones flowering in several places. We stopped for a picnic in a distant clearing in the woods where picnic tables had been provided. Here a few Roman Orchids *Dactylorhiza romana* and other woodland species were found and photographed.

After our picnic we set off to walk through the forest and eventually came to a more open hillside where *Iris lutescens* and *Iris pseudopumila* were flowering in profusion and other sun-loving species were found amongst the rocks. Some showy plants of the Spectacled Ophrys *Ophrys biscutella* were found here, and Round-leaved Birthwort *Aristolochia rotundifolia* was abundant in the shady spots. Some Morel fungi *Morchellus esculentus* were seen alongside the track, Coral-root Bittercress *Cardamine bulbifera* and Bird-in-a-bush *Corydalis solida* were scattered through the woods.

On returning to the vehicles we drove slowly out of the forest, stopping to photograph the Narcissi at one spot where they were protected from grazing behind a fence. We arrived back at the hotel in time for some of the group to explore the town before our evening get-together.

## Day 4

Thursday 24th April

Weather: Low cloud with drizzle at times. Occasional clear spells 11°C

Today we set off to visit the famous botanical site of Monte Sacro, and took waterproofs and warm clothing because of the rather threatening conditions. We stopped at the local supermarket for lunch provisions on the way. The route to Mattinata involves a long drive down a scenic road made up of almost continuous hairpin bends, but with sweeping views of the Gargano landscape, including Monte Sacro, and the coast far below. We stopped beside the road at one point to admire the views and then took a short walk along the terraced hillside beneath the olive trees; this foray produced a few more species for the list including our first Tongue Orchids *Serapias lingua*, and the lemon-yellow flowers of the large daisy-like *Urospermum dalechampii*. A single plant of Weasel Snout *Misopates orontium* was still in flower, having been spotted there the previous week.

Mattinata is by-passed with tunnels, underpasses and roundabouts, through an area of ancient olive trees, before another very steep road with yet more hairpin bends leads to the starting point for a walk up Monte Sacro. This is a very well-known stony hill, a site of pilgrimage for some, with a rich flora. A well-trodden and way-marked path leads to the summit of the hill where there are the ruins of a monastery, but there is so much to see on the way that most of the party got no further than the pine forest. A new species for the list was the Dense Flowered Orchid *Neotinea maculata*, and in addition there were a few Spectacled Orchids *Ophrys biscutella*. More Man Orchids and Naked Man Orchids *Orchis italica* were seen amongst the rocks including one or two of the hybrid. Just before reaching the woodland on the steep slope a large patch of Sparse-flowered Orchids *Orchis pauciflora* and Four-spotted Orchids *Orchis quadripunctata* were found, plus a single spike of Violet Limodore *Limodorum abortivum*, no nearer to opening than when it had been found the previous week.

We had our picnic back at the minibuses and then retraced our route with a stop along the way to check out another interesting open area where in the previous week we found Earth-star Fungi scattered amongst the rocks. After driving back around Mattinata we stopped at the start of the track to Monte Saraceno, a large limestone outcrop and historical site overlooking the sea. Our walk along the track produced two species of Cistus (*C. salvifolius*, and *C. monspeliensis*) growing in close proximity which made for easy identification. More orchids, including *Ophrys melena* were found along the track. The dozens of chambered tombs at the end of the headland, dating from about 1000BC, and carved out of the solid limestone, proved to be very interesting, and some of them supported colonies of Maidenhair Fern *Adiantum capillus-veneris*. White Horehound *Marrubium vulgare* and the related *Marrubium abyssin* were both abundant near the ruined buildings on the headland, and several species of Broomrape *Orobanchae spp* were found around the tombs.

We returned to the hotel after another full day, and some of our party still explored the town again before our evening get-together.

## Day 5

Friday 25th April

Weather: A sunny day with showers later. 12°

We had a slightly delayed start today in order to allow some time for a further look around the town and visit the Castle book shop. Andrew and Jessica moved the mini-buses around so that there was a bus at the top and bottom of the Pilgrim's Path.

We then all met at the front of the hotel and took the Pilgrim's Path down from the Castle to the valley below. This ancient path led us along the hillside with more orchids and other flora to see on the grassy banks on either side, and lovely views of the valley and distant hillsides. A few Lady Orchids were spotted with more flowers open and we found the tiny Spring Rock-cress *Arabis verna* and the endemic sub-species of Aubrieta. Having reached the bottom of the path, and retrieved the second minibus, we continued to the forested slopes below Monte Calvo, the highest peak in the Gargano.

We stopped at a picnic area, and prepared our food in the back of the two minibuses. After our lunch we explored the forest; here there were colourful displays of *Anemone apennina*, *Narcissus poeticus* and *Euphorbia amygdaloides*. A few Roman Orchids *Dactylorhiza romana* were found, with a single specimen of Elder-flowered Orchid *Dactylorhiza sambucina*. We returned to the minibuses and followed the road through the forest into an area of small fields and hedgerows where we saw many more Roman Orchids. Our last stop of the day was near an isolated restaurant, where we wandered around some neglected gardens and un-inhabited houses looking for more orchids in the clearings. We found plenty of Roman Orchids here, and lots of leaves and tight buds of the Common Spotted Orchid *Dactylorhiza fuchsii*, and Greater Butterfly Orchid *Platanthera chlorantha*. One of the trees spreading freely in this area was the Wild Service Tree *Sorbus torminalis*, growing amongst Aspen *Populus tremulus* and Sycamore *Acer pseudoplatanus*. We then followed the road back to Monte Sant'Angelo.

## Day 6

Saturday 26th April

Weather: Mostly cloudy but some sunny spells. 20°C

We left the Palace Hotel this morning and head for our second hotel near the coast so our route there took us into the Foresta Umbra, the "shady forest" which is composed largely of dense groves of mature beech and hornbeam trees. Our first stop of the day was at a little track which led into a plantation of pines where there were many of the now familiar orchids in flower, including some very fine displays of Italian Man Orchids *Orchis italica* and more of the various 'Bee' orchids, including the endemic *Ophrys promontorii* and some possible hybrids. We stopped beside the road at a spot we had been told about by some other English botanists staying at our hotel. After a scramble through a fence we discovered some fields filled with Roman and Green-winged Orchids, including one very unusual red colour-form of the Roman Orchid.

We then made our way on through the forest to a roadside picnic spot which gave us the opportunity for a walk along an easy trail where there were many luxuriant ferns and the large leafy lichen, Tree Lungwort *Lobaria pulmonaria* on the trunks of trees along the path. Various garlic-scented species were encountered, including the British native, Ramsons *Allium ursinum*. The landscape here was deeply pitted with huge hollows which apparently are collapsed caves. At a little woodland lake several terrapins were spotted basking along a fallen tree, and large numbers of tadpoles were seen, although few birds were seen.

After another lunch of local produce we continued driving along the forest road, pausing to look at some Fallow Deer in an enclosure. At a lay-by several kilometres down the hill we stopped to look at a large area of delicately-scented Spring Cyclamen *Cyclamen repandum* growing on steep slopes, where there were a few British native species as well, including Fiddle Dock *Rumex pulcher* and Stinking Iris *Iris foetidissima*. On the opposite side of the road Scorpion Vetch was cascading down the bank and a few shrubs of *Daphne sericea* were also found.

We arrived at the drier coastal plains, driving through Olive and Citrus groves before we stopped at the not-so-scenic “Fly-tip Stop” where we found many more *Ophrys* and *Serapias* species. There was some evidence of trampling and grazing by cattle here which had reduced the number of species we usually find at this spot. The last stage of our journey led us to the fishing harbour of Peschici where we checked in to the Hotel Elisa, our base for the final two nights of the trip. After checking in most of the group explored the town and harbour, enjoying the views of the sea and sampling the ice-creams. Our evening meal was the hotel’s speciality local seafood, freshly prepared by the proprietor.

## Day 7

Sunday 27th April

Weather: A warm and sunny day, but with thunder and heavy rain later. 22°C

The morning was bright and sunny and several of the group enjoyed a pre-breakfast walk along the shore. After breakfast we drove west out of Peschici, along more steep and twisting roads, making our first stop to look down over the cliffs at the Trabucco – the complicated arrangement of nets and poles traditionally used to catch fish from the rocks. From this high viewpoint we had excellent views of the coastline and found a few more interesting plants, including the prickly shrub, Apple of Sodom *Solanum sodomaeum*. More twists and turns in the road led us up the hill past extensive olive groves, one of which supported a lovely stand of Lady Orchids where we were able to get close to the largest orchids we had seen all week.

We eventually reached a highway which enabled us to travel rapidly to the west of the peninsula. Here we headed inland to explore the Bosco di Spinapulci - “Forest of the Spiny Flea”, a high limestone plateau with forests and meadows and a few pot-holed roads. Before climbing up on the plateau we stopped at a site where the elegant purple Mullein *Verbascum phoenicium*, was flowering, and close by we found Honeywort *Cerinth major* and wild Asparagus, the plant which we had noted on sale in buckets on the roadsides on our journey. A few Pyramidal Orchids *Anacamptis pyramidalis* were just starting to open up, and yet more of the *Ophrys sphogodes* group were found along the lane with a few good spikes of the Dark Ophrys *Ophrys sphogodes* subsp. *atrata* (*incubacea*). Both Subalpine and Sardinian Warblers were calling in the scrub alongside the road. Further on we stopped in a disused quarry; more of the Spring Cyclamen was in flower here, and the two new orchid species noted were the very rare Small-patterned Ophrys *Ophrys parvimaclata* and the Provence Orchid *Orchis provincialis*, both growing in very rocky ground with thorny shrubs overhead. More Dense-flowered Orchids were found and various prickly shrubs, especially the aptly named Christ’s Thorn *Paliurus spina-christi* made us take extra care when moving around.

We then drove up onto the limestone plateau on a steep and pot-holed track where our picnic spot overlooking the wooded valleys on either side was a good vantage point for exploring this area. More orchids were found in the woods, and there were still more Cyclamens here. We searched for one of the specialities of this area and several spikes of the magnificent Heart-flowered Serapias *Serapias cordigera* were found, plus a few good specimens of Bug Orchid *Anacamptis* (*Orchis*) *coriophora* and more of the Small-patterned Ophrys. After lunch we wandered a short way along the deserted road checking on the butterflies and various beetles visiting flowers, and some of the group managed to photograph an Ascalaphid, before returning to the mini-buses for the drive back to Peschici. We arrived there just as the heavens opened; so some of us had to shelter in the garage and forgo the ice-cream break. Our final evening meal in Peschici was another delicious selection of the local seafood.

## Day 8

Monday 28th April

Weather: Heavy rain at first, but clearing later. 18°C

This morning we had to pack up and leave for the airport, as this was the end of our stay in Gargano, so we had an early breakfast and left Peschici soon after 8.0 am, retracing our steps up the hill past the olive groves before reaching the auto-route which led back to Bari. This gave us a final view of the limestone massif of Gargano, some of the limestone quarries and the roadsides filled with wild flowers, before we reached the coastal plains and the agricultural zone.

Light traffic and good weather enabled us to have plenty of time for a break at a service station before arriving at the airport to check-in. Here we said our goodbyes to Alan and Mary who were going to extend their stay for another week, and to Geoff who was travelling elsewhere in Italy. We had an uneventful journey back to Gatwick where we said our fond farewells.

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Scarce Swallowtail



## Species List

Plants (\* indicates that a species is endemic)

Scientific name	Common name	Location
<b>PTERIDOPHYTES</b>		
<b>FERNS &amp; ALLIES</b>		
<b>Selaginellaceae</b> <i>Selaginella denticulata</i>	<b>Lesser Clubmoss Family</b> Mediterranean Clubmoss	On rocks, Monte Sacro, Bosco di Spina Pulci
<b>Adiantaceae</b> <i>Adiantum capillus-veneris</i>	<b>Maidenhair Fern Family</b> Maidenhair Fern	In tombs, Monte Saraceno
<b>Aspleniaceae</b> <i>Asplenium adiantum-nigrum</i> <i>Asplenium ceterach</i> <i>Asplenium trichomanes</i> <i>Phyllitis scolopendrium</i>	<b>Spleenwort family</b> Black Spleenwort Rustyback Maidenhair Spleenwort Hart's-tongue Fern	On rocks and walls, shady sites, widespread. On sunny rocks and walls, frequent. On rocks and walls, shady sites, common. Shaded sites, woodlands.
<b>Athyriaceae</b> <i>Cystopteris fragilis</i>	<b>Lady fern Family</b> Brittle Bladder-fern	Foresta Umbra
<b>Dennstaedtiaceae</b> <i>Pteridium aquilinum</i>	<b>Bracken Family</b> Bracken	roadsides near Monte Sacro
<b>Dryopteridaceae</b> <i>Dryopteris dilatata</i> <i>Polystichum setiferum</i>	<b>Buckler-fern Family</b> Broad Buckler-fern Soft-shield Fern	Foresta Umbra Cyclamen site
<b>PINOPSIDA (GYMNOSPERMS)</b>		
<b>CONIFERS</b>		
<b>Cupressaceae</b> <i>Cupressus sempervirens</i> <i>Juniperus oxycedrus</i> <i>Juniperus phoenicea</i>	<b>Juniper Family</b> Italian Cypress Prickly Juniper Phoenicean Juniper	Widespread, gardens, roadsides. Open, stony hillsides, common. Peschici
<b>Pinaceae</b> <i>Pinus halepensis</i> <i>Pinus pinaster</i> <i>Pinus pinea</i>	<b>Pine Family</b> Aleppo Pine Maritime Pine Stone or Umbrella Pine	Monte Saraceno Widespread Planted along roadsides, lowland areas.
<b>Taxaceae</b> <i>Taxus baccata</i>	<b>Yew Family</b> Yew	Bosco Quarto, Foresta Umbra
<b>MAGNOLIOPSIDA (ANGIOSPERMS)</b>		
<b>FLOWERING PLANTS</b>		
<b>Magnoliidae (Dicotyledons)</b>		
<b>Acanthaceae</b> <i>Acanthus mollis</i>	<b>Bear's-breech Family</b> Bear's-breech	Leaves only, Monte Saraceno area
<b>Aceraceae</b> <i>Acer campestre</i> <i>Acer platanoides</i>	<b>Maple Family</b> Field Maple Norway Maple	Widespread, woodlands. Monte Sant'Angelo

Scientific name	Common name	Location
<i>Acer pseudoplatanus</i>	Sycamore	Widespread, woodlands.
<i>Acer obtusatum</i>	Bosnian Maple	Monte Sacro
<i>Acer opalus</i>	Italian Maple	Monte Sant'Angelo
<b>Aizoaceae</b>	<b>Dew-plant Family</b>	
<i>Carpobrotus acinaciformis</i>	Sally-my-handsome	Peschici, on walls
<b>Anacardiaceae</b>	<b>Sumach Family</b>	
<i>Cotinus coggygria</i>	Smoke Tree	nr Peschici
<i>Pistacia lentiscus</i>	Mastic Tree	Widespread in open, stony sites, hillsides
<i>Pistacia terebinthus</i>	Turpentine Tree	Pulsano Gorge, Bosco di Spina Pulci
<b>Apiaceae</b>	<b>Carrot Family</b>	
<i>Conium maculatum</i>	Hemlock	Roadsides, lay-bys.
<i>Daucus carota</i>	Wild Carrot	Roadsides, lay-bys.
<i>Eryngium campestre</i>	Field Eryngo	Leaves only, open ground, stony hillsides
<i>Ferrula communis</i>	Giant Fennel	Widespread along roadsides, mostly coastal
<i>Laserpitium latifolium</i>	Broad-leaved Sermountain	Leaves only, Pilgrim's Path
<i>Orlaya grandiflora</i>	Orlaya	Widespread in open, stony areas
<i>Petroselinum crispum</i>	Parsley	Monte Saraceno
<i>Sanicula europaea</i>	Sanicle	Foresta Umbra
<i>Scandix pecten-veneris</i>	Shepherd's Needles	Widespread, field margins, stony areas.
<i>Seseli montanum</i>	A Seseli	Pulsano Monastery
<i>Smyrnium perfoliatum</i>	Perfoliate Alexanders	Monte Sacro, Pulsano
<i>Smyrnium rotundifolium</i>	Round-leaved Alexanders	Bosco di Spina Pulci
<i>Thapsia garganica</i>	Thapsia	leaves only, open stony areas
<i>Tordylium apulum</i>	Tordylium	Olive grove nr Mattinata
<i>Torilis arvensis</i>	Spreading Hedge Parsley	Roadsides, lay-bys.
<b>Apocynaceae</b>	<b>Periwinkle Family</b>	
<i>Nerium oleander</i>	Oleander	Pulsano Monastery, planted below Monte Calvo
<i>Vinca major</i>	Periwinkle	
<b>Aquifoliaceae</b>	<b>Holly Family</b>	
<i>Ilex aquifolium</i>	Holly	Common in woodlands
<b>Araliaceae</b>	<b>Ivy Family</b>	
<i>Hedera helix</i>	Ivy	Widespread
<b>Aristolochiaceae</b>	<b>Birthwort Family</b>	
<i>Aristolochia rotunda</i>	A Birthwort	Bosca da Spina Pulci, Bosco Quarto
<i>Aristolochia pallida</i>	A Birthwort	below Monte Calvo
<b>Asclepiadaceae</b>	<b>Milkweed Family</b>	
<i>Vincetoxicum hirundinaria</i>	Swallow-wort	Leaves only,
<b>Asteraceae</b>	<b>Daisy Family</b>	
<i>Achillea millefolium</i>	Yarrow	Leaves only
<i>Andryala integrifolia</i>	Andryala	Leaves and tight buds only, widespread
<i>Artemisia absinthium</i>	Wormwood	Roadside stop
<i>Bellis perennis</i>	Daisy	Widespread in grassy areas and fields
<i>Bellis sylvestris</i>	Southern Daisy	Widespread in woodlands and hillsides
<i>Calendula arvensis</i>	Field Marigold	Abundant on roadsides, field margins

Scientific name	Common name	Location
<i>Carduus chrysacanthus</i>	Apennine Thistle	Leaves only
<i>Centaurea diomedea</i>	A fine-leaved Knapweed	Monte Saraceno
<i>Centaurea jacea</i>	Brown Knapweed	Monte Saraceno
<i>Cirsium eriophorum</i>	Woolly Thistle	Leaves only
<i>Crepis rubra</i>	Pink Hawksbeard	Widespread in sunny sites, roadsides
<i>Crupina crupinastrum</i>	Crupina	Leaves and buds only
<i>Dittrichia viscosa</i>	Stink Aster	coastal roadside stops
<i>Doronicum columnae</i>	Heart-leaved Leopard's-bane	Woodlands and shady banks
<i>Evax pygmaea</i>	Evax	Common on open stony sites
<i>Galactites tomentosa</i>	Galactites	Leaves only
<i>Glebionis (Chrysanthemum) coronarium</i>	Crown Daisy	Abundant on roadsides, field margins, coastal
<i>Glebionis (Chrysanthemum) segetum</i>	Corn Marigold	Local in some cultivated fields
<i>Helichrysum stoechas</i>	Curry Plant	Pulsano Gorge
<i>Hyoseris radiata</i>	a 'dandelion'	Widespread in grassy areas and fields
<i>Inula verbascifolia</i> *	a 'Ploughman's Spikenard' type	Monte Saraceno (in leaf)
<i>Jurinea mollis</i>	a 'soft' Thistle	Leaves and buds only
<i>Matricaria recutita</i>	Scented Mayweed	Mullein stop area
<i>Pallenis spinosa</i>	Pallenis	Mullein stop
<i>Phagnalon rupestre</i>	Phagnalon	Pulsano Gorge
<i>Ptilostemon gnaphaloides</i>	a Ptilostemon	Pulsano Gorge
<i>Reichardia tingitana</i>	-	Roadside stop
<i>Rhagadolius stellatus</i>	Star Hawkbit	Pulsano Gorge
<i>Scorzonera laciniata</i>	Cut-leaved Viper's-grass	Mullein stop
<i>Scorzonera villosa</i>	Hairy Viper's Grass	bosco di spina pulci
<i>Senecio gallicus</i>	-	Monte Sacro area
<i>Senecio vulgaris</i>	Groundsel	Tulip fields
<i>Silybum marianum</i>	Milk Thistle	Widespread, roadsides, Pulsano Monastery
<i>Sonchus asper</i>	Prickly Sow-thistle	Tulip fields
<i>Taraxacum agg.</i>	a Dandelion	Roadsides and labys
<i>Tragopogon crocifolius</i>	-	?
<i>Tragopogon porrifolius</i>	Salsify	Mullein stop and other roadsides
<i>Tragopogon sinuatus</i>	-	?
<i>Tripleurospermum inodoratum</i>	Scentless Mayweed	Roadsides and lay-bys
<i>Tussilago farfara</i>	Colt's-foot	Leaves only near Quarry stop
<i>Urospermum dalechampii</i>	Urospermum	Pulsano area, olive grove stop
<i>Urospermum picroides</i>	-	Orchid stop near Bosco Quarto
<b>Betulaceae</b>	<b>Birch Family</b>	
<i>Betula pendula</i>	Silver Birch	Monte Sant'Angelo - Pilgrim's Path
<i>Corylus avellana</i>	Hazel	Forest Umbra
<i>Carpinus orientalis</i>	Eastern Hornbeam	Monte Calvo
<i>Ostrya carpinifolia</i>	Hop Hornbeam	Bosco Quarto
<b>Boraginaceae</b>	<b>Forget-me-not Family</b>	
<i>Alkanna tinctoria (lehmanii)</i>	Dyer's Alkanet	abundant on slopes below Monte Sant'Angelo
<i>Anchusa caerulea</i>	-	Pulsano area
<i>Anchusa cretica</i>	-	Bosco di Spina Pulci, Bosco Quarto
<i>Anchusa azurea (italica)</i>	Large Blue Alkanet	nr Fly-tip stop
<i>Borago officinalis</i>	Borage	Pulsano area
<i>Buglossoides (Lithospermum) arvense</i>	Corn Gromwell	Tulip fields
<i>Buglossoides (L.) purpureocaerulea</i>	Purple Gromwell	Pulsano area
<i>Cerinth major</i>	Honeywort	Olive groves nr Peschici, Mullein stop
<i>Cynoglossum creticum</i>	Cretan Hound's-tongue	Orchid stop nr Bosco Quarto

Scientific name	Common name	Location
<i>Echium italicum</i>	Pale Bugloss	Roadside stop
<i>Echium platagineum</i>	Purple Viper's Bugloss	Widespread on coastal sandy areas
<i>Myosotis arvensis</i>	Field Forget-me-not	Tulip fields and other grassy areas
<i>Myosotis discolor</i>	Changing Forget-me-not	Pulsano area
<i>Myosotis ramosissima</i>	Early Forget-me-not	Pilgrim's Path
<i>Myosotis sylvatica</i>	Wood Forget-me-not	Bosco Quarto, Foresta Umbra
<i>Onosma (lucana*) echioides</i>	Pale Goldendrops	Pulsano monastery and gorge
<i>Pulmonaria montana</i>	Mountain Lungwort	Bosco Quarto, Foresta Umbra
<i>Pulmonaria officinalis</i>	Common Lungwort	Bosco Quarto
<b>Brassicaceae</b>	<b>Cabbage Family</b>	
<i>Aethionema saxatile</i>	Burnt Candytuft	Bosco Quarto iris slopes
<i>Alliaria petiolata</i>	Garlic Mustard	roadsides and lay-bys, Cyclamen stop
<i>Aurinia (Alyssum) saxatile</i>	Yellow Alyssum	widespread in open, sunny areas
<i>Aurinia (Alyssoides) sinuata</i>	Alyssoides	walls of Pulsano monastery
<i>Arabis caucasica</i>	Garden Rockcress	abundant on cliffs below Monte Sant'Angelo
<i>Arabis hirsuta</i>	Hairy Rockcress	Pilgrim's Path
<i>Arabis turrata</i>	Tower Mustard	roadsides
<i>Arabis verna</i>	Spring Rockcress	Pilgrim's Path and Monte Sacro
<i>Aubrieta columnae subsp. italica</i>	an Aubrieta	Monte Sant'Angelo and Pilgrim's Path
<i>Biscutella didyma</i>	Biscutella	widespread
<i>Bunias erucago</i>	Bunias/Warty Cabbage	nr Tulip fields
<i>Cakile maritima</i>	Sea Rocket	coastal sands nr Zapponeta
<i>Capsella bursa-pastoris</i>	Shepherd's Purse	Tulip fields
<i>Cardamine bulbifera</i>	Coralroot Bittercress	Bosco Quarto and Foresta Umbra
<i>Cardamine plumieri</i>	Ivy-leaved Bittercress	Bosco Quarto and Foresta Umbra
<i>Cheiranthus cheiri</i>	Wallflower	Pulsano Monastery
<i>Descurainia sophia</i>	Flixweed	roadsides and lay-bys
<i>Diploxys sp.</i>	A Wall-rocket	Pulsano Monastery
<i>Eruca sativa</i>	Wild Rocket	Pulsano area
<i>Fourraea alpina</i>	a small rock cress	Bosco Quarto iris slopes
<i>Hirschfeldia incana</i>	Hoary Mustard	common on roadsides and field margins
<i>Isatis tinctoria</i>	Woad	widespread on roadsides
<i>Lepidium (Cardaria) draba</i>	Hoary Cress	nr Peschici
<i>Lepidium latifolium</i>	Dittander	nr Peschici
<i>Lobularia maritima</i>	Sweet Alison	Pulsano area
<i>Matthiola incana</i>	Hoary Stock	Peschici cliffs and Zapponeta
<i>Raphanes raphanistrum</i>	Wild Radish	nr Mullein stop
<i>Sinapis alba</i>	Charlock	Fields and cultivated areas
<i>Sinapis arvensis</i>	White Mustard	Roadsides
<i>Sisymbrium officinale</i>	Hedge Mustard	Roadsides
<i>Thlaspi praecox</i>	A Penny-cress	Tulip fields
<b>Cactaceae</b>	<b>Cactus Family</b>	
<i>Opuntia ficus-indica</i>	Prickly Pear	around Mattinata
<b>Campanulaceae</b>	<b>Bellflower Family</b>	
<i>Campanula garganica*</i>	a Bellflower (endemic)	Peschici
<i>Legousia falcata</i>	Spicate Venus's Looking Glass	Mullein stop (week 2)
<i>Legousia speculum-veneris</i>	Large Venus's Looking Glass	?
<b>Caprifoliaceae</b>	<b>Honeysuckle Family</b>	
<i>Lonicera etrusca</i>	Etruscan Honeysuckle	nr Mullein stop

Scientific name	Common name	Location
<i>Lonicera periclymenum</i>	Honeysuckle	Foresta Umbra
<i>Sambucus ebulus</i>	Dwarf Elder or Danewort	nr Peony stop
<i>Sambucus nigra</i>	Elder	woodland margins
<i>Viburnum opulus</i>	Wayfaring Tree	nr Monte Calvo
<i>Viburnum tinus</i>	Laurustinus	Peschici
<b>Caryophyllaceae</b>	<b>Pink Family</b>	
<i>Arenaria serpyllifolia</i>	Thyme-leaved Sandwort	tulip fields
<i>Cerastium fontanum</i>	Common Mouse-ear	quarry stop
<i>Cerastium glomeratum</i>	Sticky Mouse-ear	Monte Saraceno
<i>Herniaria (cinerea)</i>	Rupturewort	Monte Sacro area
<i>Minuartia serpyllifolia</i>	A Sandwort	Monte Saraceno
<i>Silene colorata</i>	a catchfly	widespread - open sunny areas
<i>Silene conoidea</i>	-	Monte Saraceno
<i>Silene conica</i>	Sand Catchfly	coastal sands nr Zapponeta
<i>Silene gallica</i>	Small-flowered Catchfly	Tulip fields
<i>Silene italica</i>	Italian Catchfly	Monte Saraceno
<i>Silene latifolia</i>	White Campion	roadside stop
<i>Silene vulgaris</i>	Bladder Campion	Peschici
<i>Spergularia rubra</i>	Sand Spurrey	coastal sands nr Zapponeta
<i>Stellaria media</i>	Common Chickweed	Bosco Quarto
<i>Stellaria nemorum</i>	Wood Stitchwort	Bosco Quarto
<b>Celastraceae</b>	<b>Spindle Family</b>	
<i>Euonymus europaeus</i>	Spindle	Pulsano Gorge
<b>Chenopodiaceae</b>	<b>Goosefoot Family</b>	
<i>Chenopodium album</i>	Fat Hen	Pulsano monastery
<i>Salicornia sp</i>	Glasswort	salt pans on coast
<i>Sueda (vera)</i>	Shrubby Seablite	salt pans on coast
<b>Cistaceae</b>	<b>Rock-rose Family</b>	
<i>Cistus creticus</i>	Pink Cistus	roadsides, nr Mattinata and Peschici
<i>Cistus monspeliensis</i>	Narrow-leaved Cistus	Monte Saraceno
<i>Cistus salvifolius</i>	Sage-leaved Cistus	Monte Saraceno, Peschici
<i>Helianthemum apenninum</i>	White Rockrose	Monte Sacro
<i>Helianthemum oelandicum subsp.incanum</i>	Hoary Rockrose	Pulsano area, Monte Sacro
<i>Helianthemum nummularium</i>	Rockrose	widespread
<i>Helianthemum salicifolium</i>	Willow-leaved Rockrose	Monte Sant'Angelo
<i>Tuberaria guttata</i>	Spotted Rockrose	Monte Sacro
<b>Convolvulaceae</b>	<b>Bindweed Family</b>	
<i>Calystegia sepium</i>	Hedge Bindweed	nr Tulip fields
<i>Convolvulus althaeoides</i>	Mallow-leaved Bindweed	Roadsides and open, sunny areas
<i>Convolvulus althaeoides subsp.tenuissimus</i>	a Mallow-leaved Bindweed	?
<i>Cuscuta epithymum</i>	Common Dodder	Monte Calvo area
<b>Cornaceae</b>	<b>Dogwood Family</b>	
<i>Cornus sanguinea</i>	Dogwood	nr Peschici
<b>Crassulaceae</b>	<b>Stonecrop Family</b>	
<i>Sedum acre</i>	Biting Stonecrop	Pulsano Gorge

Scientific name	Common name	Location
<i>Sedum rubens</i>	Reddish Stonecrop	nr Monte Sacro
<i>Sedum sediforme</i>	-	Pulsano Monastery
<i>Sedum stellatum</i>	Starry Stonecrop	nr Monte Sacro
<i>Umbilicus rupestris</i>	Wall Pennywort	Foresta Umbra, Bosco Quarto, Pulsano
<b>Cucurbitaceae</b>	<b>Cucumber family</b>	
<i>Ecballium elaterium</i>	Squirting Cucumber	nr Zapponeta, coastal sands
<i>Bryonia dioica</i>	White Bryony	Pulsano
<b>Dipsacaceae</b>	<b>Teasel Family</b>	
<i>Dipsacus fullonum</i>	Wild Teasel	Leaves only
<i>Lomelosia crenata subsp dalleportae*</i>	An endemic Scabious	Pulsano Gorge
<i>Scabiosa ochroleuca</i>	Yellow Scabious	Pulsano Gorge
<i>Scabiosa sp.</i>	A Scabious	roadside nr Monte Sacro
<b>Ericaceae</b>	<b>Heather Family</b>	
<i>Erica arborea</i>	Tree Heather	Approach to Foresta Umbra
<b>Euphorbiaceae</b>	<b>Spurge Family</b>	
<i>Euphorbia amygdaloides</i>	Wood Spurge	Foresta Umbra, Bosco Quarto
<i>Euphorbia biumbellata</i>	Whorled Spurge	Monte Sacro
<i>Euphorbia characias subsp.characias</i>	Mediterranean Spurge	Open, stony areas
<i>Euphorbia helioscopia</i>	Sun Spurge	Widespread in open, sunny areas
<i>Euphorbia myrsinites</i>	Broad-leaved Glaucous Spurge	Monte Sacro
<i>Euphorbia nicaeensis</i>	-	?
<i>Euphorbia peplus</i>	Petty Spurge	roadsides and sands near coast
<i>Euphorbia segetalis</i>	-	nr Monte Sacro
<i>Euphorbia spinosa</i>	a 'hedgehog' plant (Spiny Spurge)	widespread in open, sunny areas
<i>Mercurialis annua</i>	Annual Mercury	Pulsano Gorge
<i>Mercurialis perennis</i>	Dog's Mercury	Foresta Umbra
<b>Fabaceae</b>	<b>Pea Family</b>	
<i>Anagyris foetida</i>	Bean Trefoil	Mullein stop
<i>Anthyllis barba-jovis</i>	Jupiter's Beard	Cliffs at Peschici
<i>Anthyllis tetraphylla</i>	Bladder Vetch	nr Fly-tip stop
<i>Anthyllis vulneraria agg</i>	Kidney Vetch	scattered in open sunny areas
<i>Anthyllis vulneraria subsp. praepropera</i>	Mediterranean Kidney Vetch (Pink)	widespread in open sunny areas
<i>Astragalus echinatus</i>	a Milk Vetch	nr Monte Sant'Angelo
<i>Astragalus hamosus</i>	a Milk Vetch	Monte Sacro area
<i>Astragalus monspessulanus</i>	False Vetch	Pulsano area
<i>Bituminaria (Psoralea) bituminosa</i>	Pitch Trefoil	Bosco di Spina Pulci
<i>Calycotome infesta</i>	Spiny Broom	scattered sites
<i>Ceratonia siliqua</i>	Carob	Monte Saraceno
<i>Cercis siliquastrum</i>	Judas Tree	Pulsano monastery
<i>Coronilla scorpioides</i>	Annual Scorpion Vetch	scattered sites, roadsides
<i>Cytisus decumbens</i>	Prostrate Broom	Widespread round Monte Sant'Angelo
<i>Cytisus spinescens</i>	a Hairy Broom	Pulsano Gorge
<i>Dorycnium hirsutum</i>	Dorycnium	Monte Sacro area
<i>Hedysarum coronarium</i>		roadside stop
<i>Hippocrepis comosa</i>	Horseshoe Vetch	Peschici - cliff-top site
<i>Hippocrepis emerus subsp. emeroides</i>	False Senna	Cyclamen stop - on steep bank
<i>Hippocrepis glauca</i>	a Horseshoe Vetch	open sunny areas - scattered
<i>Hippocrepis unisiliquosa</i>	-	Monte Saraceno

Scientific name	Common name	Location
<i>Lathyrus aphaca</i>	Yellow Vetchling	widespread in open sunny areas
<i>Lathyrus cicera</i>	a red Vetchling	common in open, grassy areas
<i>Lathyrus clymenum</i>		roadsides near Peony stop
<i>Lathyrus hybridus</i>	Hairy Yellow Vetch	Monte Sant'Angelo nr hotel
<i>Lathyrus ochrus</i>	-	Fly-tip stop
<i>Lathyrus setifolius</i>	Red Grass Vetchling	roadside stop nr Peschici
<i>Lathyrus vernus</i>	Spring Pea	nr Monte Calvo
<i>Lathyrus venetus</i>		roadsides
<i>Lotus corniculatus</i>	Bird's-foot Trefoil	roadsides, open areas
<i>Lotus creticus</i>	Southern Bird's-foot Trefoil	coastal roadside stop
<i>Lotus cytisoides</i>	a Trefoil	Monte Sacro roadside
<i>Lotus edulis</i>	Edible Lotus	coastal roadside stop
<i>Lotus halophilus</i>	Sea Bird's-foot Trefoil	Rocks at Peschici
<i>Lupinus micranthus</i>	Hairy Lupin	Bosco di Spina Pulci
<i>Medicago arabica</i>	Spotted Medick	roadsides, field margins
<i>Medicago littoralis</i>	Sea Medick	coastal sands nr Zapponeta
<i>Medicago orbicularis</i>	Large Disk Medick	nr Monte Saraceno
<i>Medicago polymorpha</i>	Toothed Medick	nr Mullein stop
<i>Medicago rigidula</i>	-	Pilgrim's Path
<i>Melilotus indicus</i>	Small Mellilot	roadsides and lay-bys
<i>Onobrychis alba</i>	a Sainfoin	Near Monte Sant'Angelo
<i>Onobrychis aquidentata</i>	a Sainfoin	Iris slopes
<i>Onobrychis caput-galli</i>	Cock's-comb Sainfoin	nr Mullein stop
<i>Onobrychis crista-galli</i>	-	Bosco di Spina Pulci
<i>Pisum sativum</i>	a Pea	nr Peony stop
<i>Robinia pseudacacia</i>	False Acacia	Roadsides, town gardens
<i>Scorpiurus muricatus</i>	Scorpiurus	stony track nr Pulsano monastery
<i>Securigera (Coronilla) varia</i>	Crown Vetch	Pulsano Gorge
<i>Spartium junceum</i>	Spanish Broom	hillsides near coast at Peschici
<i>Tetragonolobus purpureus</i>	Winged/Asparagus Pea	common in open, grassy areas
<i>Trifolium angustifolium</i>	Narrow-leaved Clover	roadsides
<i>Trifolium campestre</i>	Hop Trefoil	common in stony areas
<i>Trifolium dubium</i>	Lesser Trefoil	grassy areas
<i>Trifolium hirtum</i>	Hairy Trefoil	?
<i>Trifolium incarnatum</i>	Crimson Clover	roadsides near coast
<i>Trifolium medium</i>	Zigzag Clover	Monte Sant'Angelo nr hotel
<i>Trifolium pratense</i>	Red Clover	field margins
<i>Trifolium repens</i>	White Clover	field margins
<i>Trifolium resupinatum</i>	Reversed Clover	roadside nr Bosco Quarto
<i>Trifolium stellatum</i>	Star Clover	widespread in open sunny areas
<i>Trifolium subterraneum</i>	Burrowing Clover	Iris slopes
<i>Trifolium tomentosum</i>	Woolly Trefoil	Monte Sant'Angelo nr hotel
<i>Vicia barbazitae</i>	a small vetch	Bosco Quarto
<i>Vicia benghalensis</i>	Benghal Vetch	roadside stop
<i>Vicia bithynica</i>	Bithynian Vetch	Pilgrim's Path
<i>Vicia cracca</i>	Tufted Vetch	grassy areas, nr Peschici
<i>Vicia hirsuta</i>	Hairy Tare	field margins
<i>Vicia hybrida</i>	a Yellow Vetch	?
<i>Vicia lutea</i>	Yellow Vetch	grassy roadside areas and lay-bys
<i>Vicia melanops</i>	Black Vetch	Pilgrim's Path
<i>Vicia narbonensis</i>	-	field margins
<i>Vicia peregrina</i>	Wandering Vetch (two-tone flowers)	Viola stop nr Bosco Quarto
<i>Vicia sativa agg</i>	Common Vetch	roadsides, field margins

Scientific name	Common name	Location
<i>Vicia villosa</i>	Fodder Vetch	Fly-tip stop
<b>Fagaceae</b>	<b>Beech Family</b>	
<i>Castanea sativa</i>	Sweet Chestnut	Foresta Umbra
<i>Fagus sylvatica</i>	Beech	Foresta Umbra
<i>Quercus cerris</i>	Turkey Oak	Widespread
<i>Quercus coccifera</i>	Spanish Oak	Monte Sacro
<i>Quercus ilex</i>	Holm Oak	widespread
<i>Quercus pubescens</i>	Downy Oak	Bosco di Spina Pulci
<b>Fumariaceae</b>	<b>Fumitory Family</b>	
<i>Corydalis solida</i>	Bird-in-a-bush	Bosco Quarto
<i>Fumaria capreolata</i>	Tall Ramping Fumitory	roadside stops
<i>Fumaria muralis</i>	Common Ramping Fumitory	widespread
<i>Fumaria officinalis</i>	Common Fumitory	widespread
<b>Gentianaceae</b>	<b>Gentian Family</b>	
<i>Blackstonia perfoliata</i>	Yellow-wort	Olive groves nr Peschici
<b>Geraniaceae</b>	<b>Crane's-bill Family</b>	
<i>Erodium ciconium</i>	a Stork's-bill	Field margins, stony slopes
<i>Erodium cicutarium</i>	Common Stork's-bill	tracks and paths, widespread
<i>Erodium malacoides</i>	Mallow-leaved Stork's-bill	nr Mullein stop
<i>Geranium columbinum</i>	Long-stalked Crane's-bill	Mullein stop
<i>Geranium dissectum</i>	Cut-leaved Crane's-bill	Monte Sant'Angelo
<i>Geranium lucidum</i>	Shining Crane's-bill	Monte Sant'Angelo
<i>Geranium molle</i>	Dove's-foot Crane's-bill	widespread
<i>Geranium purpureum</i>	Little Robin	Monte Sacro
<i>Geranium robertianum</i>	Herb Robert	widespread
<i>Geranium rotundifolium</i>	Round-leaved Stork's-bill	widespread
<i>Geranium sanguineum</i>	Bloody Crane's-bill	Quarry stop
<b>Hypericaceae</b>	<b>St. John's-wort Family</b>	
<i>Hypericum perforatum</i>	Perforate St. John's-wort	Mullein stop
<b>Lamiaceae</b>	<b>Deadnettle Family</b>	
<i>Acinos alpinus</i>	Alpine Basil Thyme	Pilgrim's Path
<i>Ajuga chamaepitys</i>	Ground Pine	Pulsano Monastery
<i>Ajuga genevensis</i>	Blue Bugle	Foresta Umbra
<i>Ajuga orientalis</i>	Oriental Bugle	?
<i>Clinopodium acinos</i>	Basil-thyme	various orchid sites
<i>Lamium bifidum</i>	Bifid Dead-nettle	Pilgrim's Path
<i>Lamium garganicum</i>	Large Red Dead-nettle	Monte Sant'Angelo
<i>Lamium maculatum</i>	Spotted Dead-nettle	Pilgrim's Path
<i>Marrubium vulgare</i>	White Horehound	Monte Saraceno
<i>Marrubium alysson</i>	a pink Horehound	Monte Saraceno
<i>Origanum vulgare</i>	Oregano	sunny hillsides and stony slopes
<i>Prasium majus</i>	Prasium	Monte Saraceno
<i>Prunella vulgaris</i>	Selfheal	Cyclamen stop
<i>Rosmarinus officinalis</i>	Rosemary	common on open hillsides, roadsides
<i>Salvia argentea</i>	Silver Sage	Leaves only
<i>Salvia fruticosa</i>	Three-leaved Sage	Monte Sarceno
<i>Salvia pratensis</i>	Meadow Clary	Widespread



Scientific name	Common name	Location
<i>Salvia verbenaca</i>	Wild Clary	Widespread
<i>Satureja hortensis</i>	Summer Savory	nr Mattinata
<i>Sideritis romana</i>	Common Sideritis	Pulsano Monastery
<i>Sideritis syriaca</i>	Syrian Sideritis	sunny open areas (in bud)
<i>Stachys cretica</i>	Mediterranean Woundwort	Monte Saraceno
<i>Stachys officinalis</i>	Betony	nr Bosco Quarto
<i>Thymus capitatus</i>	A Thyme	sunny open areas
<b>Linaceae</b>	<b>Flax Family</b>	
<i>Linum austriacum (narbonense)</i>	Beautiful Flax	nr Bosco Quarto
<i>Linum bienne</i>	Pale Flax	Iris slopes
<i>Linum catharticum</i>	Fairy (Purging) Flax	widespread
<i>Linum perenne</i>	Perennial Flax	Pulsano area
<i>Linum tenuifolium</i>	-	?
<i>Linum trigynum</i>	-	Monte Sacro
<b>Malvaceae</b>	<b>Mallow Family</b>	
<i>Lavatera arborea</i>	Tree Mallow	?
<i>Lavatera cretica</i>	Cretan Mallow	coast nr Zapponeta
<i>Malva cretica</i>	-	roadside nr Mattinata
<i>Malva neglecta</i>	Dwarf Mallow	coast nr Zapponeta
<i>Malva sylvestris</i>	Common Mallow	widespread along roadsides
<b>Moraceae</b>	<b>Mulberry Family</b>	
<i>Ficus carica</i>	Fig	widely naturalised and cultivated
<b>Oleaceae</b>	<b>Olive Family</b>	
<i>Fraxinus ornus</i>	Flowering Ash	Widespread, hillsides, Bosco di Spina Pulci
<i>Ligustrum vulgare</i>	Privet	Pulsano Gorge
<i>Olea europaea</i>	Olive	Widespread and abundant
<b>Orobanchaceae</b>	<b>Broomrape Family</b>	
<i>Orobanche alba</i>	Thyme Broomrape	Monte Sant' Angelo
<i>Orobanche amethystea</i>	Amethyst Broomrape	Pulsano gorge
<i>Orobanche caryophyllacea</i>	Clove-scented Broomrape	Monte Saraceno
<i>Orobanche minor</i>	Common Broomrape	dried flower spike only
<i>Orobanche purpurea</i>	Yarrow Broomrape	?
<i>Orobanche rapum-genistae</i>	Greater Broomrape	?
<i>Orobanche sanguinea</i>		Monte Saraceno
<b>Oxalidaceae</b>	<b>Wood-sorrel Family</b>	
<i>Oxalis corniculata</i>	Procumbent Yellow Sorrel	Pulsano Monastery
<i>Oxalis pes-caprae</i>	Bermuda Buttercup	nr Peschici
<b>Paeoniaceae</b>	<b>Paeony Family</b>	
<i>Paeonia mascula</i>	A Peony	copses and shady sites nr Bosco Quarto
<b>Papaveraceae</b>	<b>Poppy Family</b>	
<i>Chelidonium majus</i>	Greater Celandine	Pulsano area
<i>Papaver apulum</i>	-	nr Mullein stop
<i>Papaver hybridum</i>	Rough Poppy	roadsides and field margins
<i>Papaver rhoeas</i>	Common Poppy	field margins

Scientific name	Common name	Location
<b>Plantaginaceae</b>	<b>Plantain Family</b>	
<i>Plantago arenaria</i>	Branched Plantain	quarry stop
<i>Plantago coronopus</i>	Buck's-horn Plantain	widespread on paths, grassy areas
<i>Plantago lagopus</i>	Hare's-foot Plantain	coast nr Zapponeta
<i>Plantago lanceolata</i>	Ribwort Plantain	roadsides
<i>Plantago maritima</i>	Sea Plantain	on cliffs, Peschici
<i>Plantago seraria</i>	-	Monte Saraceno
<b>Polygalaceae</b>	<b>Milkwort Family</b>	
<i>Polygala nicaeensis</i>	Nice Milkwort	Iris slopes
<i>Polygala vulgaris</i>	Common Milkwort	widespread in grassy areas
<b>Polygonaceae</b>	<b>Knotweed Family</b>	
<i>Rumex obtusifolius</i>	Broad-leaved Dock	Cultivated areas
<i>Rumex pulcher</i>	Fiddle Dock	Cyclamen site
<i>Polygonum maritimum</i>	Sea Knotgrass	coastal roadside stop
<b>Primulaceae</b>	<b>Primrose Family</b>	
<i>Anagallis arvensis (Red &amp; Blue forms)</i>	Scarlet Pimpernel	Field margins, stony areas
<i>Cyclamen hederifolium</i>	Ivy-leaved Sowbread	Leaves only, Foresta Umbra
<i>Cyclamen repandum</i>	Spring Cyclamen	Woodland sites nr Bosco di Spina Pulci
<b>Ranunculaceae</b>	<b>Buttercup Family</b>	
<i>Anemone apennina</i>	Blue Anemone	Widespread in woodlands
<i>Anemone hortensis</i>	-	Open sites, widespread
<i>Clematis ficaria</i>	a Clematis	leaves and buds only
<i>Delphinium peregrinum</i>	a Larkspur	leaves only
<i>Eranthis hyemalis</i>	Winter Aconite	Tulip fields - in seed.
<i>Ficaria verna agg.</i>	Lesser Celandine	widespread in grassy areas
<i>Nigella damascena</i>	Love-in-a-mist	leaves only
<i>Ranunculus acris</i>	Meadow Buttercup	widespread in grassy areas
<i>Ranunculus arvensis</i>	Corn Buttercup	nr Monte Sant'Angelo
<i>Ranunculus bulbosus</i>	Bulbous Buttercup	field margins, nr tulip fields
<i>Ranunculus millefoliatus</i>	-	Pilgrim's Path
<i>Ranunculus muricatus</i>	Rough-fruited Buttercup	nr Tulip fields
<i>Ranunculus sceleratus</i>	Celery-leaved Buttercup	ditches nr Zapponeta
<i>Ranunculus velutinus</i>	-	grassy areas nr Bosco Quarto
<b>Resedaceae</b>	<b>Mignonette Family</b>	
<i>Reseda alba</i>	White Mignonette	widespread in open, stony areas
<i>Reseda lutea</i>	Wild Mignonette	roadsides, verges
<i>Reseda luteola</i>	Weld	Coast nr Zapponeta
<i>Reseda phyteuma</i>	Corn Mignonette	field margins
<b>Rhamnaceae</b>	<b>Buckthorn Family</b>	
<i>Palliurus spina-christi</i>	Christ's Thorn	Mullein stop
<i>Rhamnus alaternus</i>	Mediterranean Buckthorn	Pulsano Gorge
<b>Rosaceae</b>	<b>Rose Family</b>	
<i>Aremonia agrimonioides</i>	Bastard Agrimony	Bosco Quarto
<i>Crataegus monogyna</i>	Hawthorn	widespread
<i>Cydonia oblonga</i>	Quince	roadside stop

Scientific name	Common name	Location
<i>Filipendula vulgaris</i>	Dropwort	nr Mullein stop
<i>Fragaria vesca</i>	Wild Strawberry	widespread
<i>Geum urbanum</i>	Wood Avens	Bosco Quarto
<i>Malus sylvestris</i>	Crab Apple	Bosco di Spina Pulci
<i>Potentilla hirta</i>	Hairy Cinquefoil	Monte Sacro area
<i>Prunus dulcis</i>	Almond	widely cultivated
<i>Prunus spinosa</i>	Blackthorn	roadsides
<i>Pyracantha coccinea</i>	Firethorn	planted - Monte Sant'Angelo
<i>Pyrus amygdaliformis</i>	Almond-leaved Pear	widespread
<i>Pyrus communis</i>	Pear	nr Monte Calvo
<i>Rosa sp.</i>	A Rose	Pulsano gorge
<i>Rubus fruticosus agg</i>	Bramble	widespread
<i>Rubus sanctus</i>	Bramble	?
<i>Sanguisorba (Poterium) minor</i>	Salad Burnet	Pulsano area
<i>Sorbus aucuparia</i>	Rowan or Mountain Ash	Monte Calvo area
<i>Sorbus torminalis</i>	Wild Service Tree	nr Monte Calvo
<b>Rubiaceae</b>	<b>Bedstraw Family</b>	
<i>Asperula arvensis</i>	Blue Woodruff	Tulip field and Peony stop
<i>Asperula taurina</i>	Southern Woodruff	?
<i>Cruciata laevipes</i>	Crosswort	Pilgrim's Path
<i>Galium aparine</i>	Cleavers	roadsides and field margins
<i>Galium mollugo</i>	Hedge Bedstraw	nr hotel, Monte Sant'Angelo
<i>Galium odoratum</i>	Woodruff	Foresta Umbra
<i>Galium setaceum</i>		Pulsano Monastery
<i>Galium verum</i>	Lady's Bedstraw	not in flower
<i>Rubia peregrina</i>	Wild Madder	Monte Saraceno
<i>Sherardia arvensis</i>	Field Madder	widespread
<i>Valantia hispida</i>	Valantia	Monte Saraceno
<i>Valantia muralis</i>	a Valantia	Widespread in dry areas
<b>Rutaceae</b>	<b>Rue Family</b>	
<i>Ruta chalepensis</i>	Fringed Rue	leaves only, Pulsano Gorge
<b>Santalaceae</b>	<b>Sandalwood Family</b>	
<i>Osyris alba</i>	Osyris	Monte Saraceno
<i>Thesium sp.</i>	a Bastard Toadflax	Pulsano area
<b>Saxifragaceae</b>	<b>Saxifrage Family</b>	
<i>Saxifraga bulbifera</i>	Bulbous Saxifrage	Foresta Umbra
<i>Saxifraga granulata</i>	Meadow Saxifrage	widespread
<i>Saxifraga tridactylites</i>	Rue-leaved Saxifrage	walls and rocks, widespread
<b>Scrophulariaceae</b>	<b>Figwort Family</b>	
<i>Antirrhinum siculum</i>	Sicilian Snapdragon	Peschici - Trabucco stop
<i>Bellardia trixago</i>	Bellardia	Coastal site nr Zapponeta
<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax	Walls, common, Monte Sant'Angelo
<i>Digitalis ferruginea</i>	Brown Foxglove	leaves only
<i>Euphrasia agg.</i>	Eyebright	?
<i>Linaria pelisseriana</i>	Jersey Toadflax	?
<i>Misopates orontium</i>	Weasel Snout/Lesser Snapdragon	roadside Olive grove stop
<i>Parentucella latifolia</i>	Southern Red Bartsia	widespread in open, stony areas
<i>Parentucella viscosa</i>	Yellow Bartsia	Fly-tip stop

Scientific name	Common name	Location
<i>Scrophularia peregrina</i>	Italian (Nettle-leaved) Figwort	nr Mullein stop
<i>Scrophularia scopolii</i>	a Figwort	leaves only, Monte Calvo area
<i>Verbascum longifolium</i>	a Mullein	roadside nr Peschici
<i>Verbascum phoeniceum</i>	Purple Mullein	nr Bosco di Spina Pulci
<i>Verbascum thapsus</i>	Aaron's Rod	widespread on roadsides nr Peschici
<i>Verbascum undulatum</i>	a Mullein	leaves and tight buds only
<i>Veronica cymbalaria</i>	Cymbalaria-leaved Speedwell	Bosco Quarto
<i>Veronica hederifolia</i> agg	Ivy-leaved Speedwell	widespread in shaded areas
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	grassy areas
<b>Solanaceae</b>	<b>Nightshade Family</b>	
<i>Hyoscyamus alba</i>	White Henbane	walls of Pulsano Monastery
<i>Solanum sodomium</i>	Apple of Sodom	cliff-top nr Peschici
<b>Thymelaeaceae</b>	<b>Daphne Family</b>	
<i>Daphne laureola</i>	Spurge Laurel	Foresta Umbra
<i>Daphne sericea</i>		roadside Cyclamen stop
<b>Tiliaceae</b>	<b>Lime Family</b>	
<i>Tilia cordata</i>	Small-leaved Lime	roadside Cyclamen stop
<b>Ulmaceae</b>	<b>Elm Family</b>	
<i>Ulmus</i> sp.	An Elm	Monte Sant'Angelo
<b>Urticaceae</b>	<b>Nettle Family</b>	
<i>Parietaria judaica</i>	Pellitory of the Wall	Common, rocks and walls
<i>Urtica dioica</i>	Nettle	Cultivated areas
<i>Urtica pilulifera</i>	Roman Nettle	Monte Saraceno
<b>Valerianaceae</b>	<b>Valerian Family</b>	
<i>Centranthus ruber</i>	Red Valerian	Widespread, roadsides
<i>Valeriana tuberosa</i>	-	Pulsano area
<i>Valerianella</i> sp.	A Cornsalad	stony areas, Pulsano Gorge
<b>Violaceae</b>	<b>Violet Family</b>	
<i>Viola arvensis</i>	Field Pansy	Iris slopes, Viola site
<i>Viola graeca</i>	A Pansy (purple or cream)	Iris slopes, Bosco Quarto
<i>Viola odorata</i>	Sweet Violet	Foresta Umbra
<i>Viola riviniana</i>	Common Dog Violet	nr Bosco Quarto
<b>Vitaceae</b>	<b>Grape-vine Family</b>	
<i>Vitis vinifera</i>	Grape	widely cultivated
<b>Liliidae (Monocotyledons)</b>		
<b>Araceae</b>	<b>Arum Family</b>	
<i>Arum italicum</i> subsp. <i>italicum</i>	Large Cuckoo Pint	Monte Saraceno, Monte Sacro
<i>Arum maculatum</i>	Cuckoo Pint	Foresta Umbra
<b>Cyperaceae</b>	<b>Sedge Family</b>	
<i>Carex caryophylla</i>	Spring Sedge	Quarry stop
<i>Carex divulsa</i>	Grey Sedge	Quarry stop

Scientific name	Common name	Location
<i>Carex sylvatica</i>	Wood Sedge	Foresta Umbra
<b>Dioscoreaceae</b>	<b>Black Bryony Family</b>	
<i>Tamus communis</i>	Black Bryony	roadsides stops, shaded areas
<b>Iridaceae</b>	<b>Iris Family</b>	
<i>Crocus sp.</i>	a Crocus	leaves only, iris slopes
<i>Gladiolus italicus</i>	Field Gladiolus	leaves only, but one in flower nr Bosco Quarto
<i>Moraea (Gynandriris) sisyrinchium</i>	Barbary Nut	Roadside near coast
<i>Hermodactylus tuberosus</i>	Widow or Snake's-head Iris	widespread, most over, but in flower nr Pulsano
<i>Iris foetidissima</i>	Stinking Iris	Foresta Umbra, Cyclamen stop
<i>Iris lutescens*</i>	-	hillsides in Bosco Quarto area
<i>Iris pseudopumilla*</i>	-	Bosco Quarto
<b>Juncaceae</b>	<b>Rush Family</b>	
<i>Luzula campestris</i>	Field Wood-rush	Bosco Quarto
<i>Luzula forsteri</i>	Southern Wood-rush	Bosco di Spina Pulci
<b>Liliaceae</b>	<b>Lily Family</b>	
<i>Allium neapolitanum</i>	Naples Garlic	Pulsano Gorge
<i>Allium pendulinum</i>	Pendulous Garlic	Bosco Quarto
<i>Allium roseum</i>	Rose Garlic	Mullein stop
<i>Allium subhirsutum</i>	Hairy Garlic	widespread
<i>Allium subvillosum</i>	-	Pulsano Gorge
<i>Allium triquetum</i>	Three-cornered Leek	nr Peschici
<i>Allium ursinum</i>	Ramsons	Foresta Umbra
<i>Asparagus acutifolius</i>	Spiny Asparagus	widespread, esp Bosco di Spina Pulci
<i>Asphodeline lutea</i>	Yellow Asphodel	locally common
<i>Asphodelus aestivus</i>	Common Asphodel	widespread
<i>Asphodelus fistulosus</i>	Hollow-leaved Asphodel	Pulsano
<i>Bellevalia dubia</i>	Bellevalia	scattered sites on sandy ground
<i>Muscari comosum</i>	Tassel Hyacinth	widespread
<i>Muscari neglecta</i>	Dark Grape Hyacinth	abundant in some stony areas
<i>Narcissus poeticus</i>	Pheasant's-eye Daffodil	Bosco Quarto
<i>Ornithogalum angustifolium</i>	Common Star of Bethlehem	widespread
<i>Ornithogalum montanum</i>	Star of Bethlehem	Iris slopes
<i>Ornithogalum pyrenaicum</i>	Bath Asparagus	Mullein stop, buds only
<i>Polygonatum multiflorum</i>	Solomon's Seal	Foresta Umbra
<i>Ruscus aculeatus</i>	Butcher's Broom	widespread, Bosco Quarto, Foresta Umbra
<i>Smilax aspera</i>	Common Smilax	Pulsano Gorge
<i>Tulipa sylvestris</i>	Wild Tulip	abundant in fields below Monte Sant'Angelo
<i>Urginea maritima</i>	Sea Squill	leaves only - widespread.
<b>Orchidaceae</b>	<b>Orchid Family</b>	
<i>Anacamptis coriophora (Orchis fragrans)</i>	A Bug Orchid	Monte Saraceno (week 2)
<i>Anacamptis (Orchis) papilionacea</i>	Pink Butterfly Orchid	widespread, open sunny sites
<i>Anacamptis (Orchis) morio</i>	Green-winged Orchid	widespread
<i>Anacamptis (Orchis) morio subsp. picta</i>	a Green-winged Orchid	one site , Foresta Umbra
<i>Anacamptis pyramidalis</i>	Pyramidal Orchid	Mullein stop
<i>Cephalanthera longifolia</i>	Sword-leaved Helleborine	Leaves only, nr summit of Monte Sacro
<i>Dactylorhiza fuchsii</i>	Common Spotted-orchid	Mostly in bud, but a few in flower nr Monte Calvo
<i>Dactylorhiza romana</i>	Roman Orchid	Bosco Quarto and other sites, common
<i>Dactylorhiza sambucina</i>	Elderflower Orchid	scarce, below Monte Calvo

Scientific name	Common name	Location
<i>Himantoglossum hircinum</i>	Lizard Orchid	leaf rosettes and tight buds only.
<i>Himantoglossum robertianum</i>	Giant Orchid	going over, a few plants near Bosco Quarto
<i>Neottia nidus-avis</i>	Bird's Nest Orchid	Old flower spikes, Bosco Quarto
<i>Neotinea (Orchis) lactea</i>	Milky Orchid	Pulsano area
<i>Neotinea maculata</i>	Dense-flowered Orchid	several sites, incl Monte Sant'Angelo
<i>Neotinea (Orchis) ustulata</i>	Burnt Tip Orchid	nr Foresta Umbra
<i>Ophrys apifera</i>	Bee Orchid	Going over, a few plants near Mullein stop
<i>Ophrys apulica</i> *	Apulian Ophrys	Pulsano Gorge, Fly-tip stop
<i>Ophrys bertoloniformis</i> *	-	nr Monte Sacro and other sites
<i>Ophrys bertolonii</i>	Bertoloni's Bee Orchid	nr Monte Sacro and other sites
<i>Ophrys biscutella (argolica)</i>	Spectacled Ophrys	Bosco Quarto and other sites
<i>Ophrys bombyliflora</i>	Bumblebee Ophrys	Pulsano Gorge
<i>Ophrys fuciflora</i>	Late Spider Orchid	Pulsano area
<i>Ophrys iricolor</i>		Monte Sant'Angelo ??
<i>Ophrys melena / numida</i>	a Yellow Ophrys	MonteSaraceno
<i>Ophrys passionis var. garganica</i> *	Gargano Ophrys	Pulsano area and several other sites
<i>Ophrys lutea</i>	a Yellow Ophrys	scattered sites, open stony areas
<i>Ophrys promontorii</i> *	-	Pulsano areas
<i>Ophrys sicula</i>	-	common and widespread
<i>Ophrys sipontensis</i> *	-	scarce, Pulsano area and Monte Sacro
<i>Ophrys sphegodes</i>	Early Spider Orchid	widespread, seen at most orchid stops
<i>O. sphegodes ssp atrata (O. incubacea)</i>	Dark Ophrys	roadside stop nr Foresta Umbra
<i>Ophrys tenthredinifera</i>	Sawfly Ophrys	Pulsano area, Monte Sacro and other sites
<i>Orchis anthropophora</i>	Man Orchid	widespread, seen at most orchid stops
<i>Orchis italica</i>	Naked Man Orchid	widespread, seen at most orchid stops
<i>Orchis pauciflora</i>	Sparse Flowered Orchid	Monte Sacro
<i>Orchis provincialis</i>	Provence Orchid	Quarry stop
<i>Orchis purpurea</i>	Lady Orchid	nr Peschici in olive grove
<i>Orchis quadripunctata</i>	Four-spotted Orchid	Monte Sacro
<i>Serapias cordigera</i>	Heart-flowered Tongue Orchid	Bosco di Spina Pulci
<i>Serapias lingua</i>	Tongue Orchid	Widespread, sunny areas
<i>Serapias parviflora</i>	Small-flowered Tongue Orchid	scarce, few plants in one olive grove, Fly-tip stop
<i>Serapias vomeracea</i>	Plough-share Tongue Orchid	Fly-tip stop
<b>Hybrids (a selection)</b>		
<i>Dactylorhiza sambucina x D. romana</i>		nr Monte Calvo
<i>Ophrys incubacea x Ophrys garganica</i>	-	possible - nr Monte Sant'Angelo
<i>Ophrys incubacea x Ophrys bertolonii</i>	-	?
<i>Orchis x bivonae (O.anthropophora x italica)</i>	-	Monte Sant'Angelo, Monte Sacro
<i>Anacamptis morio x A. papilionacea</i>	-	Pulsano area
<i>Orchis purpurea x O. italica</i>		Pulsano area
<b>Poaceae</b>		
<i>Aegilops geniculata</i>	Aegilops	Pulsano and other sites
<i>Anisantha diandra</i>	Great Brome	fields and roadsides
<i>Anisantha sterilis</i>	Barren Brome	scattered sites
<i>Arundo donax</i>	Giant Reed	wetlands nr coast
<i>Anthoxanthum odoratum</i>	Sweet Vernal Grass	Bosco Quarto
<i>Avena barbata</i>	Bristle Oat	Fields and grassy areas
<i>Avena sterilis</i>	Barren Oat	Fields and grassy areas
<i>Avena sp.</i>	an Oat	?
<i>Briza maxima</i>	Large Quaking Grass	Mullein stop
<i>Briza media</i>	Quaking Grass	Quarry stop

Scientific name	Common name	Location
<i>Brachypodium (sylvaticum)</i>	False Brome	Bosco Quarto
<i>Bromus hordeaceus</i>	Soft-brome	Peschici cliff-top
<i>Catapodium rigidum</i>	Fern Grass	rocks nr Quarry stop
<i>Dactylis glomerata</i>	Cock's-foot	Mullein Stop
<i>Festuca vivipera</i>	Viviparous Fescue	Peschici
<i>Hordeum murinum</i>	Wall Barley	nr coast
<i>Hordeum sp.</i>	a Barley	widespread
<i>Lagurus ovatus</i>	Hare's-foot Grass	Fly-tip stop
<i>Melica uniflora</i>	Wood Melick	Foresta Umbra
<i>Phragmites australis</i>	Common Reed	nr coastal salt pans
<i>Rostraria cristata</i>	Mediterranean Hair-grass	Peschici
<i>Stipa pennata</i>	a Feather Grass	hillsides nr Peschici
<b>Lichens</b>		
<i>Lobaria pulmonaria</i>	Tree Lungwort	Bosco Quarato, Foresta Umbra
<b>Fungi</b>		
<i>Morchellus esculentus</i>	Morel	Bosco Quarto
<i>Coprinus (lagopus)</i>	Ink Cap sp	
<i>Coprinus commutatus</i>	Shaggy Ink Cap	
<i>Stereum hirsutum</i>	a bracket fungus	Foresta Umbra
<i>Clathrus ruber</i>		Quarry stop
<i>Bolbitius sp</i>	Egg yolk fungus	
<i>Fomes spp</i>	Bracket fungi	Foresta Umbra
<i>Geastrum</i>	Earth Star	

Birds Thanks to Dave White (✓ = recorded but not counted; H = heard only)

	Common name	Scientific name	April							
			21	22	23	24	25	26	27	28
3	Mallard	<i>Anas platyrhynchos</i>	✓					✓		
6	Great Cormorant	<i>Phalacrocorax carbo</i>	✓							
10	Little Egret	<i>Egretta garzetta</i>	✓							
14	Greater Flamingo	<i>Phoenicopterus roseus</i>	✓							
17	Western Marsh Harrier	<i>Circus aeruginosus</i>	✓		✓					
18	Montagu's Harrier	<i>Circus pygargus</i>		✓						
19	Common Buzzard	<i>Buteo buteo</i>	✓	✓			✓	✓	✓	✓
21	Eurasian Sparrowhawk	<i>Accipiter nisus</i>				✓		✓		
22	Northern Goshawk	<i>Accipiter gentilis</i>							✓	
23	Common Kestrel	<i>Falco tinnunculus</i>	✓	✓	✓	✓	✓	✓	✓	✓
24	Lesser Kestrel	<i>Falco naumanni</i>	20+							
34	Kentish Plover	<i>Chasradrius alexandrinus</i>	✓							
41	Common Sandpiper	<i>Actitis hypoleucos</i>							✓	✓
44	Common Greenshank	<i>Tringa nebularia</i>	✓							
47	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	✓							
48	Slender-billed Gull	<i>Chroicocephalus genei</i>	✓							
49	Mediterranean Gull	<i>Larus melanocephalus</i>	✓							
50	Yellow-legged Gull	<i>Larus michahellis</i>	✓			✓	✓	✓	✓	
51	Lesser Black-backed Gull	<i>Larus fuscus</i>	✓						✓	
53	Sandwich Tern	<i>Sterna sandvicensis</i>	?							
55	Rock Dove /Feral Pigeon	<i>Columba livia domestica</i>	✓	✓	✓	✓	✓	✓	✓	✓
56	Rock Dove	<i>Columba livia</i>						✓		
57	Common Wood Pigeon	<i>Columba palumbus</i>			✓	✓	✓	✓		

	Common name	Scientific name	April							
			21	22	23	24	25	26	27	28
58	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	✓	✓	✓	✓	✓	✓	✓	✓
59	European Turtle Dove	<i>Streptopelia turtur</i>						✓		
60	Common Cuckoo	<i>Cuculus canorus</i>		H		H	H	H		
64	Common Swift	<i>Apus apus</i>	✓	✓	✓	✓	✓	✓	✓	✓
66	Alpine Swift	<i>Apus melba</i>						✓	120+	✓
67	Eurasian Hoopoe	<i>Upupa epops</i>					✓		✓	
68	European Bee-eater	<i>Merops apiaster</i>	✓	✓						
69	European Green Woodpecker	<i>Picus viridis</i>				H			H	
70	Great Spotted Woodpecker	<i>Dendrocopos major</i>			✓					
75	Crested Lark	<i>Galerida cristata</i>	✓							
79	Barn Swallow	<i>Hirundo rustica</i>	✓	✓	✓	✓	✓	✓	✓	✓
81	Common House Martin	<i>Delichon urbica</i>							✓	✓
84	White Wagtail	<i>Motacilla alba</i>	✓			✓		✓	✓	
86	Yellow (Blue-headed) Wagtail	<i>Motacilla flava flava</i>	✓							
89	European Robin	<i>Erithacus rubecula</i>		✓				✓	✓	
90	Common Nightingale	<i>Luscinia megarhynchos</i>		H	H	H	H		H	
93	Black-eared Wheatear	<i>Oenanthe hispanica</i>				✓				
95	Common Stonechat	<i>Saxicola torquata</i>		✓		✓	✓	✓		
96	Song Thrush	<i>Turdus philomelos</i>			H			H		
98	Common Blackbird	<i>Turdus merula</i>	✓	✓	✓	✓	✓	✓	✓	✓
99	Blue Rock Thrush	<i>Monticola solitarius</i>							3	
100	Blackcap	<i>Sylvia atricapilla</i>	H	H	✓	✓	✓	✓	✓	H
101	Common Whitethroat	<i>Sylvia communis</i>				✓			✓	
102	Lesser Whitethroat	<i>Sylvia curruca</i>		✓		✓				
103	Sardinian Warbler	<i>Sylvia melanocephala</i>		H					✓	
105	Subalpine Warbler	<i>Sylvia cantillans</i>		✓	✓	✓	✓			
107	Zitting Cisticola	<i>Cisticola juncidis</i>							H	
113	Wood Warbler	<i>Phylloscopus sibilatrix</i>						H		
114	Western Bonelli's Warbler	<i>Phylloscopus bonelli</i>						H		
115	Common Chiffchaff	<i>Phylloscopus collybita</i>			H		H			
116	Firecrest	<i>Regulus ignicapilla</i>			✓					
117	Winter Wren	<i>Troglodytes troglodytes</i>			✓	✓	✓		✓	
120	Great Tit	<i>Parus major</i>		✓	✓	✓	✓	✓	✓	
121	European Blue Tit	<i>Cyanistes caeruleus</i>		✓	✓	✓	✓	✓	✓	
124	Eurasian Nuthatch	<i>Sitta europaea</i>			✓			✓		
125	Eurasian Treecreeper	<i>Certhia familiaris</i>			✓			✓		
126	Short-toed Treecreeper	<i>Certhia brachydactyla</i>			✓					
128	Common Magpie	<i>Pica pica</i>	✓	✓	✓	✓	✓	✓	✓	✓
129	Eurasian Jay	<i>Garrulus glandarius</i>	✓		✓		✓	✓		
130	Western Jackdaw	<i>Corvus monedula</i>	✓	✓	✓	✓	✓	✓	✓	✓
131	Hooded Crow	<i>Corvus cornix</i>	✓	✓	✓	✓	✓	✓	✓	✓
132	Common Raven	<i>Corvus corax</i>		✓						
133	Common Starling	<i>Sturnus vulgaris</i>			✓	✓		✓	✓	
135	House Sparrow	<i>Passer domestica</i>	✓							
136	Italian Sparrow	<i>Passer italiae</i>		✓	✓	✓	✓	✓	✓	
137	Spanish Sparrow	<i>Passer hispaniolensis</i>	✓					✓		
138	Eurasian Tree Sparrow	<i>Passer montanus</i>						✓		
140	Common Chaffinch	<i>Fringilla coelebs</i>		H	✓	✓	✓	✓	✓	✓
141	Common Linnet	<i>Carduelis cannabina</i>			✓				✓	
142	European Goldfinch	<i>Carduelis carduelis</i>		H	✓	✓	✓	✓		
143	European Greenfinch	<i>Chloris chloris</i>			✓					



	Common name	Scientific name	April								
			21	22	23	24	25	26	27	28	
144	European Serin	<i>Serinus serinus</i>	✓	✓					✓	✓	
146	Cirl Bunting	<i>Emberiza cirulus</i>		✓	✓	✓	✓				
147	Corn Bunting	<i>Miliaria calandra</i>	✓	✓	✓	✓					

## Mammals (S = scat)

1	Red Fox	<i>Vulpes vulpes</i>							✓	✓	
2	Wolf	<i>Canis lupus</i>				S					
3	Bank Vole	<i>Clethrionomys glareolus</i>			✓						

## Reptiles &amp; Amphibians

1	Agile Frog	<i>Rana dalmatina</i>			✓						
2	Green Lizard	<i>Lacerta viridis</i>				✓					
3	Common Wall Lizard	<i>Podarcis muralis</i>		✓							
4	Italian Wall Lizard	<i>Podarcis sicula</i>		✓				✓	✓		
5	Four-lined Snake	<i>Elaphe quatuorlineata</i>		✓							
6	Aspic Viper	<i>Viperus aspis</i>									

## Butterflies

1	Mallow Skipper	<i>Carcharodus alceae</i>		✓							
2	Grizzled Skipper	<i>Pyrgus malvae</i>					✓		✓		
3	Southern Festoon	<i>Zerynthia polyxena</i>					3	✓	✓		
4	Scarce Swallowtail	<i>Iphicides podalirius</i>		✓			✓	✓	✓		
5	Swallowtail	<i>Papilio machaon</i>		✓		✓	✓	✓	✓		
6	Wood White	<i>Leptidea sinapis</i>							✓		
7	Large White	<i>Pieris brassicae</i>	✓	✓			✓	✓	✓		
8	Small White	<i>Pieris rapae</i>		✓			✓		✓		
9	Green-veined White	<i>Pieris napi</i>					✓		✓		
10	Orange Tip	<i>Anthocharis cardamines</i>		✓			✓	✓	✓		
11	Eastern Dappled White	<i>Euchloe ausonia</i>		✓		✓	✓		✓		
12	Berger's Clouded Yellow	<i>Colias alfacariensis</i>		✓							
13	Clouded Yellow	<i>Colias crocea</i>	✓	✓							
14	Cleopatra	<i>Gonepteryx cleopatra</i>		✓						✓	
15	Brimstone	<i>Gonepteryx rhamni</i>		✓			✓	✓	✓		
16	Green Hairstreak	<i>Callophrys rubi</i>		✓			✓		✓		
17	Small Copper	<i>Lycaena phlaeas</i>						✓	✓		
18	Little Blue	<i>Cupido minimus</i>		✓			✓		✓		
19	Green-underside Blue	<i>Glaucopsyche alexis</i>		✓							
20	Common Blue	<i>Polyommatus icarus</i>	✓	✓		✓		✓	✓		
21	Adonis Blue	<i>Lysandra bellargus</i>		✓		✓			✓		
22	Brown Argus	<i>Aricia agestis</i>		✓			✓		✓		
23	Large Tortoiseshell	<i>Nymphalis polychloros</i>									
24	Small Tortoiseshell	<i>Aglais urticae</i>		✓							
25	Red Admiral	<i>Vanessa atalanta</i>		✓				✓	✓		
26	Painted Lady	<i>Vanessa cardui</i>		✓		✓	✓		✓		
27	Glanville Fritillary	<i>Melitaea cinxia</i>					✓				
28	Spotted Fritillary	<i>Melitaea didyma</i>								✓	
29	Speckled Wood	<i>Parage aegeria</i>		✓			✓		✓		
30	Wall Brown	<i>Lasiommata megera</i>		✓		✓	✓		✓		
31	Small Heath	<i>Coenonympha pamphilus</i>		✓		✓		✓	✓		

	Common name	Scientific name	April						
			21	22	23	24	25	26	27

## Moths (C= caterpillar)

1	Nine-spotted	<i>Amata phegea</i>								✓	
2	5-Spot Burnet	<i>Zygaena trifolii</i>								✓?	
3	6-Spot Burnet	<i>Zygaena filipendulae</i>								✓	
4	Hummingbird Hawk Moth	<i>Macroglossum stellatum</i>								✓	
5	Forester Moth	<i>Adscita statices</i>		✓							
6	Cream-spot Tiger	<i>Epicallia villica</i>								✓	
7	Silver Y	<i>Autographa gamma</i>		✓						✓	
8	A Lackey moth sp	<i>Malacosoma franconica</i>		C						C	
9	An Eggar	<i>Eriogaster rimicola</i>							C		

## Other Invertebrates

1	Egyptian Grasshopper	<i>Anacridium aegyptium</i>		✓						✓	
2	an Ascalaphid	<i>Libelloides coccajus</i>								✓	
3	Bee Fly	<i>Bombylius major</i>		✓	✓					✓	
4	Hornet	<i>Vespa sp</i>								✓	
5	Solitary Wasp sp									✓	
6	Carpenter Bee	<i>Xylocopa violacea</i>								✓	
7	Rose Chafer	<i>Cetonia aurata.</i>						✓			
8	A red-striped Shield Bug	<i>Graphosoma lineata (italica)</i>		✓					✓	✓	
9	a Dung Beetle	<i>Scarabaeus sp</i>		✓							
10	Knotgrass Leaf Beetle	<i>Chrysolina polita</i>									
11	Praying Mantis	<i>Empusa pennata</i>		✓							
12	Roesell's Bush Cricket	<i>Metrooptera roesellii</i>								✓	
13	Hairy Hawker Dragonfly	<i>Brachytron pratense</i>								✓	
14	Green-eyed Hawker	<i>Aeshna isosceles</i>								✓	
15	Lesser Emperor Dragonfly	<i>Aeshna parthenope</i>								✓	
16	European Wolf Spider	<i>Lycosa tarantula</i>								✓	
17	a Jumping Spider (red & black)	<i>Philaeus chrysops</i>		✓						✓	
18	Millipede	<i>cf Schizophyllum sabulosum</i>		✓							

## Seashore Molluscs:

1	Pelican's-foot Shell	<i>Aporrhais pes-pelecanis</i>									
2	Necklace Shell	<i>Natica sp</i>									
3	Common Cerith	<i>Cerithium vulgatum</i>									

## Land Molluscs

1	Roman Snail	<i>Helix pomatia</i>				✓				✓	
2	Trapdoor Snail	<i>Pomatia elegans</i>				✓				✓	