

Flowers of Italy's Gargano Peninsula

Naturetrek Tour Report

16 - 23 April 2018



Lady Orchid



Ophrys fuciflora



Pink Butterfly Orchid



European Pond Terrapin

Report and images by Andrew Cleave



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

T: +44 (0)1962 733051

E: info@naturetrek.co.uk

W: www.naturetrek.co.uk

Tour participants: Andrew Cleave and Pete Stevens (leaders) plus 15 Naturetrek clients

Summary

We had a week of pleasant sunny weather with temperatures in the mid-20's and were able to visit plenty of the important botanical sites of the Gargano National Park where we found a huge range of orchids and other Mediterranean flora. The peaceful countryside was more-or-less deserted as we explored quiet tracks and shady woodlands; in many of the sites we were the only visitors there. We had picnics out of doors every day, making good use of the local produce purchased. The historic town of Monte Sant'Angelo was explored one morning, and we ended the week in the picturesque small fishing port of Peschici where we appreciated the spectacular coastal views and meals of the local seafood. As well as the flowers which were the main focus of the trip we saw many species of butterflies, typical of this region, and had a good list of Mediterranean birds, especially on our visits to the coast.

Day 1

Monday 16th April

Andrew and Pete were already in Bari ready to meet the group having led the trip in the preceding week. After a short delay due to minibus complications we eventually got on the road, leaving Bari behind us and heading north through the vast agricultural plains of this very flat landscape. We drove through mile after mile of olive groves, vineyards, market gardens and orchards, but we saw plenty of interest as the roadside verges were colourful with wild flowers including Common Mallow *Malva sylvestris*, Poppies *Papaver* sp., Crown Daisies *Glebionis (Chrysanthemum) coronarium* and Giant Fennel *Ferula communis*. In places there were splashes of acid-yellow colour from Woad *Isatis tinctoria* and the deep-blue tints of Dyer's Alkanet *Alkanna tinctoria (lehmannii)*. We had a short stop at a service station for lunch and coffee and then continued heading north, leaving the motorway to make for the coast along a completely straight minor road. We pulled off for a while to photograph the Giant Fennel and other roadside flowers, and scanned the fields for Lesser Kestrels, Corn Buntings and Zitting Cisticolas.

Our next stop was by the sea at some abandoned salt pans where there were interesting coastal plants and many wetland birds to spot, including Greater Flamingos, Pygmy Cormorants, Black-winged Stilts and Slender-billed gulls. A few spikes of Giant Orchid *Himantoglossum robertianum*, which had been seen in the previous week were just holding on to a few flowers and many of them seemed to be providing shelter for clusters of small terrestrial snails. After this break by the sea we continued towards the limestone massif of Gargano which we could see in the distance. The flat plains gave way to a very steep limestone outcrop, which we ascended by way of many hairpin bends. We arrived at Monte Sant'Angelo with plenty of time to check in to the Palace Hotel and then have a brief orientation walk before our evening meal. The next orchid on our list was the Gargano form of the Early Spider Orchid *Ophrys sphegodes* subsp. *passionis*, with a few spikes being found close to the hotel lobby, despite the grass being neatly manicured by the ground staff. We had a brief get-together to go over the plans for the week ahead and enjoyed our first evening meal together.

Day 2

Tuesday 17th April

Andrew and Pete went shopping for picnic supplies after breakfast and we were then ready to set off for our first full day in Gargano. We drove a very short distance from the hotel in order to reach the first good habitat for

flowers which was a stony hillside with neglected terraces; it looked rather blank at first but as soon as we left the minibuses we started spotting the first orchids and other Mediterranean flora. The tiny subspecies of Yellow Bee Orchid *Ophrys lutea* subsp. *galilea* was quite common on here, and we also found plenty of examples of the endemic Gargano Early Spider Orchids *Ophrys sphegodes* subsp. *passionis* and very attractive Sawfly Orchid *Ophrys tentredinifera*. More and more plants were found here as we spread out over the hillside. The distinctive cushion-forming Spiny Spurge *Euphorbia spinosa* filled the air with its scent of honey, and other typical Mediterranean scents, such as Oregano and Sage, were released as we walked over the short herb-rich turf. After an exciting first hour here, we moved further along the road to a slightly different habitat with more shrubs and steeper terraces and found many new species, including a few slightly faded spikes of the Milky Orchid *Neotinea lactea* and large numbers of Man Orchids *Orchis anthropophora*.

We stopped for a picnic under the shade of some Eastern Hornbeam *Carpinus orientalis* trees before driving to the end of the road where the ancient Pulsano Monastery was perched on the edge of the gorge. We explored the partly-restored monastery with its caves carved into the hillside, and the surrounding grounds where we found the endemic Pale Golden Drops *Onosma echioides* and three species of Asphodel. Some tall Tongue Orchids *Serapias bergonii* were found in the grassland, and there were plenty more common flowers here as well, such as the Field Marigold *Calendula arvensis*, which added splashes of colour, and the small white umbellifer *Tordylium apulum* with its distinctive seeds. A short walk down the track in the gorge led us to a colony of Bumblebee Orchids *Ophrys bombyliflora* and many more colourful species, including the endemic form of Late Spider Orchid *Ophrys fuciflora* subsp. *apulica*. This "Sentiero Natura" had many shrubs and herbs with labels beside them, including the endemic Gargano Bellflower *Campanula garganica*, Phoenician Juniper *Juniperus oxycedrus* and the very abundant Turpentine Tree *Pistacia terebinthus*. This gentle walk was also ideal for spotting butterflies, and there were several species on the wing in the warm sunshine, but we also found a Stick Insect and some brightly coloured leaf beetles. However, the sunshine turned to a dense fog, so we returned to the hotel after our very full day. We met again before the evening meal to go over our checklists and discuss the plans for the next day.

Day 3

Wednesday 18th April

Today we planned to visit the Bosco Quarto, an extensive area of woodland and pasture a short drive from Monte Sant'Angelo. As we drove out of Monte Sant'Angelo six White Storks flew over the town, giving us clear views against the blue sky. Our first botany stop was in some agricultural land in the floor of the valley where Wild Tulips grow amongst the cereal crop in what is a most unlikely situation for a perennial species. We found a few Tulips *Tulipa sylvestris* growing along the field margins and were able to get some close views of them without straying too far. Another interesting find here was the diminutive Cotswold Pennycress *Microthlaspi perfoliata*, growing along the field margin, with some plants in still flower and others showing the characteristic penny shaped seed pods. Further along the road we stopped at the start of the trail into the forest. A large flat field was visited first, and this proved to be a superb site for orchids with many species growing in great abundance here. We added some new species to our list, including Burnt Orchid *Neotinea ustulata* and some tight buds of Lizard Orchid, but the most abundant species here were Green-winged *Anacamptis morio*, Pink Butterfly *A. papilionacea* and Naked Man Orchid *Orchis italica*, and there were a few Late Spider Orchids *Ophrys fuciflora* agg. emerging as well. In some places it was almost impossible to walk without stepping on them. Across the road in a much more stony natural habitat we found many more orchids, including the Spectacled Ophrys *Ophrys argolica* subsp. *biscutella*. In a small copse of Turkey Oaks *Quercus cerris* there were drifts of the endemic viola *Viola graeca* with at least three colour forms spotted, and we also noted the very attractive Benghal Vetch *Vicia benghalensis*. After a

short drive we stopped by a steep wooded bank where Wild Peonies *Paeonia mascula* were growing. After a bit of a scramble we were able to find some that were open and very photogenic.

We continued on the road which took us further into the forest along gravel roads and eventually we reached an isolated picnic spot in a clearing surrounded by some ancient pollarded hornbeam trees. Andrew and Pete prepared the lunch here while the group explored the woods, finding new species for the list, such as Coralroot Bittercress *Cardamine bulbifera*, Ivy-leaved Bittercress *C. plumieri* and Bird-in-a-bush *Corydalis solida*. There were a few familiar UK species here, such as Spurge Laurel *Daphne laureola*, Wood Spurge *Euphorbia amygdaloides* and Holly *Ilex aquifolium*, but there were also new species to find, including the first Roman Orchids *Dactylorhiza romana* of the week. After our picnic we walked on through the forest to reach some steep stony slopes where drifts of Irises *Iris lutea* and *I. pseudopumila* flowered amongst the rocks. More Spectacled Ophrys and Bumblebee Ophrys were found here on the steeper slopes, and a common ground plant was Birthwort *Aristolochia rotundifolia*, with its strange flowers just showing between the leaves. On the drive back out of the forest we stopped to photograph the Pheasant's-eye Narcissi *Narcissus poeticus* which were abundant in places. We returned to the hotel by the same route and all met up again to go over the checklists before dinner.

Day 4

Thursday 19th April

We left earlier than usual this morning and stopped at the little supermarket where we did our daily shop for picnic supplies. We then took a different road out of town towards Mattinata, enjoying sweeping views of the Gulf of Manfredonia and the hillsides covered in ancient Olive trees. We stopped at one view point to admire the hillsides covered in neatly constructed stone terraces to make Olive cultivation easier. A short stroll along one of the terraces proved to be very interesting with a chance to look at some of the typical flora of the hillsides, including the bright pink Mallow-leaved Bindweed *Convolvulus althaeoides* and the striking yellow composite Urospermum *Urospermum dalechampii*. Pink Hawksbeard *Crepis rubra* was also found here. We continued down the road to Mattinata where the short by-pass had cut through Olive groves with some extraordinary old trees in them, many with massive gnarled trunks. The road then wound on upwards to Monte Sacro, a very famous botanical site, and also a popular walk, with a ruined monastery at the summit. There seemed to be some movement of birds of prey high over our heads and we spotted at least four male and female Marsh Harriers in flight. Later several groups of Bee-eaters flew over, calling excitedly far above our heads. We took our time on this walk, with several new discoveries, including the Four-spotted Orchid *Orchis quadripunctata*, Sparse-flowered Orchid *Orchis pauciflora* and a very rare hybrid between the two. The trail was well marked and obviously well used, and we did not need to wander far from it to find plenty of interest. The endemic *Ophrys promontorii* was quite common in places and we also found the endemic form of Late Spider Orchid *Ophrys fuciflora* subsp. *apulica* here. Another plant of interest was the Spotted Rock-rose *Tuberaria guttata*, the most delicate of the Cistaceae to grow here. The deciduous trees were all coming into leaf and in the spring sunshine the various shades of green looked most attractive.

After our picnic we drove down the road a short distance before stopping where some cattle, and a large bull, were grazing peacefully. This was a good site of Bertoloni's Bee Orchid *Ophrys bertolonii* and the hybrid *Ophrys x bertoloniformis*. We had plenty of good specimens of these and a few other species like the Common Star-of-Bethlehem *Ornithogalum umbellatum*. The final stop of the day was to be at Monte Saraceno, another important historic site, noted for the large number of burial chambers carved out of the limestone. We spotted a new species of Tongue Orchid below the path and this turned out to be the distinctive *Serapias orientalis* in a very

photogenic position. On the trail out to the ancient site we found a few rather faded specimens of the melanic form of the Yellow Bee Orchid *Ophrys lutea* subsp. *melana*, and a large patch of Roman Nettle *Urtica pilulifera*. The burial chambers were a good spot to look for plants like Maidenhair Fern *Adiantum capillus-veneris* and Pellitory-of-the-Wall *Parietaria judaica*, and there were several species of Broomrape emerging, although they were not far enough advanced to be certain of an identification. At the end of the outcrop we had views back down to Mattinata in one direction and along the coast to Manfredonia the other way. A rather spindly shrub growing near the ruins was *Osyris alba*, and there were large patches of White Horehound *Marrubium vulgare* and smaller amounts of a pink Horehound *M. allyson* growing around the enclosures where the farmer had penned some pigs. Some fine specimens of Large Cuckoo Pint *Arum italicum* were seen growing in shady hollows near the path back to the minibuses. After another packed day of discoveries, and in beautiful sunny weather, it was finally time to return to the hotel. We met up before our evening meal and went through the checklists, compared photographs and discussed the plans for the next day. At the end of dinner, the hotel kindly provided a beautiful cake and bottles of Prosecco to help celebrate Andrew's birthday!

Day 5

Friday 20th April

We spent some time exploring the maze of streets and historic buildings in the town this morning. Monte Sant'Angelo is a UNESCO World Heritage site and is full of fascinating churches, towers and winding streets. We were not the only visitors to the town, and we were interested to see how many coaches arrived at the car park with pilgrims, school groups and visitors from elsewhere in Europe. After an interesting time here, we set off to follow the Pilgrim's Path, the ancient track used by pilgrims visiting the shrines of Monte Sant'Angelo for many centuries. This pleasant track leads down from the town into a green valley and is rarely used by other visitors. We had the path to ourselves and all along the route there were flowers to be seen, including large numbers of Gargano Early Spider Orchids, and other common species like the Black Vetch *Vicia melanops*. This is a good area for butterflies and we had close views of several species as we descended, including Wall Brown and Swallowtail. We had arranged to have a minibus at either end of the trail, so Andrew and Pete were able to pick up the second bus which we had left at the hotel and then gather up the group and carry on to the extensive woodlands and meadows surrounding Monte Calvo, the highest peak in Gargano.

We stopped at another quiet woodland picnic site and enjoyed our picnic in the shade of Turkey Oaks just coming into leaf. More peonies were discovered close to the road, and the woodland a rich ground flora of *Anemone apennina* and Pheasant's-eye Narcissus *Narcissus poeticus*. A stroll through the woods after lunch led us to an area where we found Roman Orchids *Dactylorhiza romana* and a few Elder-flowered Orchids *D. sambucina*, and many more Spectacled and Sparse-flowered Orchids on the open slopes. The final stop for the day was at a copse of Wild Service Trees *Sorbus torminalis* where there were hundreds of Roman Orchids, a few more Elder-flowered and several stands of what looked like Common Spotted Orchids but were in fact the very similar Wedge-lipped Orchid *Dactylorhiza saccifera*. Purple Gromwell *Buglossoides purpureocaerulea*, more narcissi, Meadow Saxifrage *Saxifraga granulata* and various vetches added to the colourful ground flora. The woodland was grazed by cattle, but they seemed to leave the flowers alone, favouring the grasses instead. We returned to Monte Sant'Angelo by the same route, meeting many of the coaches leaving the town as arrived.

We met as usual for our discussion of the lists and then, after our evening meal, we could hear the distant calls of a Scops Owl far below us in the valley. The clear conditions gave us an incredible view of the lights on the coastline and the flat plain stretching away to Foggia and beyond.

Day 6

Saturday 21st April

Today we left the Monte Sant'Angelo and set off for Peschici. Our route took us down to the Tulip fields and then on a different road into the hilly area leading to the Foresta Umbra. We stopped after a while to explore a little track which had orchids and other flowers growing in profusion along the grassy verges. A new species here was the slender variety of Green-winged known as *A. morio* subsp. *picta*, but there were plenty of familiar species, such as Man and Naked Man Orchids here as well. We gained height as we travelled on into the forest and the vegetation changed from typical Mediterranean trees and shrubs such as Holm Oak *Quercus ilex*, Tree Heather *Erica arborea* and Narrow-leaved Cistus *Cistus monspeliensis* to dense Beech *Fagus sylvatica* woods. We stopped at a picnic site in the shade of some lofty Beech trees and followed the trail through the woods to the small lake. There were large concentrations of tadpoles in the shallows and some Golden Orfe and a European Pond Terrapin cruising around; more terrapins were spotted basking on a tree trunk. As well as the lofty Beech trees there were some huge ancient Yew trees *Taxus baccata* in the woods, and a ground flora including Ramsons *Allium ursinum*. A conspicuous lichen on many of the larger Beech trees was Tree Lungwort *Lobaria pulmonaria*, looking rather grey because of the dry conditions. The deep hollows in the limestone were filled with mosses and ferns, making quite a contrast with the sunny hillsides we had been exploring earlier in the week.

After our picnic we drove on through the forest, pausing to look at some Fallow Deer in a rather sparsely vegetated enclosure. Further down the road, after many twists and turns, we pulled off to look at a large patch of Spring Cyclamen *Cyclamen repandum* which were growing on the steep bank and their delicate scent could be detected as the photographers knelt to get closer views. On the roadside there were many colourful shrubs and one more elusive plant which we eventually found a little further up the road: *Daphne sericea* is a delicately scented but rather small-flowered species, and we were just able to reach the lower flowers to get photographs. We eventually left the forest and found ourselves back in the Mediterranean zone again with vines, olives and citrus trees on either side. We pulled off the road at a lay-by where there had been a lot of fly-tipping, but the shrubby area next to it had a very good display of orchids, including some splendid Late Spider Orchids, Ploughshare Tongue Orchid *Serapias vomeracea*, Small-flowered Tongue Orchid *S. parviflora* and the very scarce *Ophrys oestriifera* subsp. *montis-gargani*. The diminutive Hairy Lupin *Lupinus micranthus* was flowering freely in the grassy areas. After a good look around here we followed the road to Peschici and finally arrived at our destination, the Hotel Elisa.

Once we had checked in there was time for an exploration of the attractive harbour and small town before we met in the bar to go over our check lists. Large jellyfish were spotted in the harbour and stranded on the beach, and there were lots of interesting shells washed up on the strand line. The colony of Alpine Swifts in the cliffs provided quite a spectacle as they came down to investigate their nest sites. We then enjoyed a lovely seafood supper which the Hotel Elisa is famous for. We also enjoyed the unusual spectacle of seeing the sun set over the sea even though we were on the east coast of Italy.

Day 7

Sunday 22nd April

This was to be our last full day in Gargano, and as it was Sunday with no chance to go shopping for picnic supplies, we made an early start after breakfast and headed west, stopping first to look at the Trabuco, the traditional fixed fishing net found in this region. Growing on the walls of the impressive tower on the cliff top were Sicilian Snapdragons *Antirrhinum siculum* and the endemic Gargano Bellflower *Campanula garganica*. We scanned the long sandy beach far below us and even from the cliff top we could see huge quantities of plastic

debris, fishing gear, driftwood and bottles strewn along the strand line. The scenic coastal route snaked down past Peschici's attractive rural railway terminus and then wound up again through Olive groves on terraced hillsides. We stopped at one rather derelict Olive grove to look at a magnificent colony of Lady Orchids *Orchis purpurea*; the plants themselves were tall and robust and there were around 100 flower spikes in the area we looked at. On the opposite roadside bank there were a few spikes of White Helleborine *Cephalanthera damasonium* just starting to flower.

We carried on up the hill and then joined the highway which led west towards the Lago Verano which we could see in the distance, and it was a relief to be on a straight level road after all the twists and turns. As we drove we noticed the Wild (Spiny) Asparagus *Asparagus acutifolius* sellers with the buckets of trimmed asparagus shoots on sale in various lay-bys. We turned off after some miles and took a narrow road into a more hilly habitat. On a farm track we found the attractive Purple Mullein *Verbascum phoenicium* and another orchid species for our list; the Dark Ophrys *Ophrys sphegodes* subsp. *atrata* was a quite distinctive plant with characteristically small dark flowers. The next stop was at an abandoned quarry on the edge of the Bosco di Spina Pulci. Here we were able to find two more new orchids; the Small-patterned Ophrys *Ophrys fuciflora* subsp. *parvimaclata* is a very rare species only found in the west of Gargano and a fine patch of these looked very photogenic. Close by were a few specimens of the Provence Orchid *Orchis provincialis* just starting to fade but still showing all the important features. More Cyclamens were found here, and in amongst the spiny shrubs and limestone rocks there was a very rich flora. We picked our way through the thickets of Christ's Thorn *Paliurus spina-christi* and Bean Trefoil *Anagyris foetida* and found many Tongue Orchids *Serapias lingua* and more Yellow Bee Orchids. Bloody Cranesbill *Geranium sanguineum* was added to our list of British native species, and Shining Cranesbill *G. lucidum* was a common species here as well.

Returning to the minibuses, we headed for the final site on our tour and took a steep road up onto a limestone ridge with superb views all around. After a rather bumpy journey we were glad to have our picnic in this very scenic spot and we added the final new orchid to our list. This area is a good site for the Heart-flowered Tongue Orchid *Serapias cordigera* and we found quite a few specimens amongst the limestone rocks. There was a very rich flora here and we had plenty of opportunities for good photographs in the pleasant sunny conditions. After some exploration the group started to walk back down the road, spotting a few more interesting plants such as Weasel Snout *Misopates orontium* and the occasional Peony. Andrew and Pete drove back down the road picking everyone up on the way and then we started on the journey back to Peschici. When we got back to the hotel we were able to check everyone in for tomorrow's return flight and there was still time for a final walk on the beach and to sample the local ice cream. We had another lovely seafood supper and a colourful sunset over the Adriatic.

Day 8

Monday 23rd April

We had to make an early start this morning to get back to Bari for the return flight to Gatwick, so we left Peschici after breakfast at 7am and headed back for the highway, passing some of the botanical sites we had visited the previous day. There was not much traffic this early in the morning, so we made good progress up the mountain road. From the minibus we could see smoke rising from the small bonfires in the Olive groves as the annual spring pruning was taking place. Some of the olive groves had bare earth beneath them, but in others there was a colourful flora and we spotted Rose Garlic *Allium roseum* and Borage *Borago officinalis* in one place and also managed a final glimpse of Lady Orchids as we climbed the hill. We could see the contrasting habitats as we

travelled, with the Gargano massif looking very impressive on the horizon. The verges were still colourful with wild flowers, although we noticed more strimming in places, and we had glimpses of a few birds, mainly gulls and corvids, with the occasional Buzzard and small group of swallows and martins. We pulled off the autoroute not far from the airport and kept a lookout for the large untidy nests of Monk Parakeets as we passed some tall Eucalyptus trees; there were a few birds flying around making these the last species on our list for Gargano.

We arrived at the airport in time for the check in and Andrew and Pete dropped everyone off whilst they returned the minibuses. Pete was returning to the UK with the group, but Andrew was staying on in Gargano, so we all said our farewells at the airport entrance.

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Dactylorhiza romana



Serapias orientalis

Species Lists

Plants (* = a species is endemic)

This list has been updated according to 'The Plant List' (www.theplantlist.org) based on DNA analysis.

Scientific name	Common name	Location
PTERIDOPHYTES		
Leptosporangiate Ferns		
Aspleniaceae		
<i>Asplenium adiantum-nigrum</i>	Black Spleenwort	rocks and walls, common
<i>Asplenium ceterach</i>	Rustyback	sunny, exposed rocks and walls
<i>Asplenium (Phyllitis) scolopendrium</i>	Hart's-tongue Fern	Foresta Umbra
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	Bosco Quarto - on rocks
Dennstaedtiaceae		
<i>Pteridium aquilinum</i>	Bracken	widespread in Bosco Quarto
Dryopteridaceae		
<i>Dryopteris dilatata</i>	Broad Buckler-fern	Foresta Umbra
<i>Polystichum setiferum</i>	Soft Shield-fern	Foresta Umbra
Polypodiaceae		
<i>Polypodium vulgare</i>	Common Polypody	Bosco Quarto
Pteridaceae		
<i>Adiantum capillus-veneris</i>	Maidenhair Fern	Monte Saraceno - in burial chambers
GYMNOSPERMS		
Cupressaceae		
<i>Cupressus sempervirens</i>	Italian Cypress	Pulsano Monastery
<i>Juniperus oxycedrus</i>	Prickly Juniper	Pulsano Gorge
Pinaceae		
<i>Pinus halepensis</i>	Aleppo Pine	Monte Saraceno
<i>Pinus pinaster</i>	Maritime Pine	Monte Saraceno
<i>Pinus pinea</i>	Stone or Umbrella Pine	roadside tree, common near Bari
Taxaceae		
<i>Taxus baccata</i>	Yew	Foresta Umbra, some very large and old
ANGIOSPERMS		
Pre-dicots		
Aristolochiaceae		
<i>Aristolochia rotunda</i>	A Birthwort	Monte Sacro, Foresta Umbra
Eu-dicots		
Acanthaceae		
<i>Acanthus mollis</i>	Bear's-breech	Monte Sant'Angelo
Adoxaceae		
<i>Sambucus ebulus</i>	Dwarf Elder or Danewort	near Peschici
<i>Sambucus nigra</i>	Elder	Forest Umbra
<i>Viburnum opulus</i>	Wayfaring Tree	Bosco Quarto
<i>Viburnum tinus</i>	Laurustinus	Peschici
Aizoaceae		
<i>Carpobrotus acinaciformis</i>	Sally-my-handsome	Peschici, common on walls and around harbour
Anacardiaceae		
<i>Pistacia lentiscus</i>	Mastic Tree	widespread
<i>Pistacia terebinthus</i>	Turpentine Tree	Pulsano Gorge, widespread
Apiaceae		
<i>Conium maculatum</i>	Hemlock	Pulsano
<i>Crithmum maritimum</i>	Rock Samphire	Peschici
<i>Daucus carota</i>	Wild Carrot	Peschici
FERNS & ALLIES		
True Ferns		
Spleenwort family		
	Black Spleenwort	rocks and walls, common
	Rustyback	sunny, exposed rocks and walls
	Hart's-tongue Fern	Foresta Umbra
	Maidenhair Spleenwort	Bosco Quarto - on rocks
Bracken Family		
	Bracken	widespread in Bosco Quarto
Buckler-fern Family		
	Broad Buckler-fern	Foresta Umbra
	Soft Shield-fern	Foresta Umbra
Polypody Family		
	Common Polypody	Bosco Quarto
Ribbon Fern Family		
	Maidenhair Fern	Monte Saraceno - in burial chambers
CONIFERS		
Juniper Family		
	Italian Cypress	Pulsano Monastery
	Prickly Juniper	Pulsano Gorge
Pine Family		
	Aleppo Pine	Monte Saraceno
	Maritime Pine	Monte Saraceno
	Stone or Umbrella Pine	roadside tree, common near Bari
Yew Family		
	Yew	Foresta Umbra, some very large and old
FLOWERING PLANTS		
Primitive Angiosperms		
Birthwort Family		
	A Birthwort	Monte Sacro, Foresta Umbra
True Dicotyledons		
Bear's-breech Family		
	Bear's-breech	Monte Sant'Angelo
Moschatel Family		
	Dwarf Elder or Danewort	near Peschici
	Elder	Forest Umbra
	Wayfaring Tree	Bosco Quarto
	Laurustinus	Peschici
Dew-plant Family		
	Sally-my-handsome	Peschici, common on walls and around harbour
Sumach Family		
	Mastic Tree	widespread
	Turpentine Tree	Pulsano Gorge, widespread
Carrot Family		
	Hemlock	Pulsano
	Rock Samphire	Peschici
	Wild Carrot	Peschici

Scientific name	Common name	Location
<i>Eryngium campestre</i>	Field Eryngo	widespread, leaves only, not flowering
<i>Ferrula communis</i>	Giant Fennel	widespread and common in places
<i>Laserpitium latifolium</i>	Broad-leaved Sermountain	Pilgrim's Path, leaves only
<i>Orlaya grandiflora</i>	Orlaya	Pulsano Monastery
<i>Sanicula europaea</i>	Sanicle	Foresta Umbra
<i>Scandix pecten-veneris</i>	Shepherd's Needles	widespread, stony areas
<i>Smyrniium perfoliatum</i>	Perfoliate Alexanders	Monte Sacro
<i>Thapsia garganica</i>	Thapsia	leaves only, Pulsano road
<i>Tordylium apulum</i>	Tordylium	Olive grove roadside stop
<i>Torilis arvensis</i>	Spreading Hedge Parsley	Bosco Quarto area
Apocynaceae	Periwinkle Family	
<i>Nerium oleander</i>	Oleander	common in towns
<i>Vinca major</i>	Periwinkle	Bosco Quarto
Aquifoliaceae	Holly Family	
<i>Ilex aquifolium</i>	Holly	Bosco Quarto
Araliaceae	Ivy Family	
<i>Hedera helix</i>	Ivy	very common and widespread
Betulaceae	Birch Family	
<i>Betula pendula</i>	Silver Birch	Bosco Quarto
<i>Corylus avellana</i>	Hazel	Pilgrim's Path
<i>Carpinus orientalis</i>	Eastern Hornbeam	Pulsano road
Boraginaceae	Forget-me-not Family	
<i>Alkanna tinctoria (lehmanii)</i>	Dyer's Alkanet	widespread, open stony areas
<i>Anchusa caerulea</i>	-	stony areas, Olive grove stop
<i>Anchusa cretica</i>	-	Bosco Quarto
<i>Anchusa azurea (italica)</i>	Large Blue Alkanet	roadside stop nr Peschici
<i>Borago officinalis</i>	Borage	nr Peschici
<i>Buglossoides (Lithospermum) arvense</i>	Corn Gromwell	Monte Calvo woods
<i>Buglossoides (L.) purpureocaerulea</i>	Purple Gromwell	Monte Calvo woods
<i>Cerinth major</i>	Honeywort	nr Peschici
<i>Cynoglossum creticum</i>	Cretian Hound's-tongue	Monte Sacro
<i>Echium italicum</i>	Pale Bugloss	coastal salt pans
<i>Echium platagineum</i>	Purple Viper's Bugloss	roadsides
<i>Echium vulgare</i>	Viper's-bugloss	roadsides
<i>Myosotis arvensis</i>	Field Forget-me-not	Pulsano road
<i>Myosotis discolor</i>	Changing Forget-me-not	Bosco Quarto
<i>Myosotis ramosissima</i>	Early Forget-me-not	Pilgrim's Path
<i>Myosotis sylvatica</i>	Wood Forget-me-not	Bosco Quarto
<i>Onosma (lucana*) echioides</i>	Pale Goldendrops	Pulsano Monastery
<i>Pulmonaria montana</i>	Mountain Lungwort	Bosco Quarto
<i>Pulmonaria officinalis</i>	Common Lungwort	leaves only
<i>Symphytum (tuberosum)</i>	a Comfrey	Pilgrim's Path
Brassicaceae	Cabbage Family	
<i>Aethionema saxatile</i>	Burnt Candytuft	Bosco Quarto
<i>Alliaria petiolata</i>	Garlic Mustard	Pilgrim's Path
<i>Alyssum montanum</i>	Mountain Alyssum	Pilgrim's Path
<i>Aurinia (Alyssum) saxatile</i>	Yellow Alyssum	widespread
<i>Aurinia (Alyssoides) sinuata</i>	Alyssoides	Pulsano Monastery
<i>Arabis caucasica</i>	Garden Rockcress	Monte Sant'Angelo
<i>Arabis hirsuta</i>	Hairy Rockcress	Pilgrim's Path
<i>Arabis turrita</i>	Tower Mustard	roadsides
<i>Arabis verna</i>	Spring Rockcress	Pilgrim's Path
<i>Aubrieta columnae</i> subsp. <i>italica</i>	an Aubrieta	Pilgrim's Path

Scientific name	Common name	Location
<i>Biscutella didyma</i>	Biscutella	widespread, open sunny areas
<i>Cakile maritima</i>	Sea Rocket	salt marsh stop, Zaponetta
<i>Capsella bursa-pastoris</i>	Shepherd's Purse	widespread, roadsides
<i>Cardamine bulbifera</i>	Coralroot Bitter-cress	Bosco Quarto
<i>Cardamine plumieri</i>	Ivy-leaved Bitter-cress	Bosco Quarto
<i>Cheiranthus cheiri</i>	Wallflower	Peschici
<i>Eruca sativa</i>	Wild Rocket	roadsides
<i>Hesperis matronalis</i>	Dame's Violet	Monte Calvo area
<i>Isatis tinctoria</i>	Woad	roadsides near Bari
<i>Lepidium (Cardaria) draba</i>	Hoary Cress	nr Peschici
<i>Lobularia maritima</i>	Sweet Alison	Pulsano
<i>Matthiola incana</i>	Hoary Stock	salt marsh area nr Zaponetta
<i>Raphanes raphanistrum</i>	Wild Radish	salt marsh nr Zaponetta
<i>Sinapis alba</i>	Charlock	grassy areas
<i>Sinapis arvensis</i>	White Mustard	agricultural land near Bari
<i>Sisymbrium officinale</i>	Hedge Mustard	widespread
<i>Thlaspi praecox</i>	A Penny-cress	Tulip stop
<i>Turritis brassica (Fourraea alpina)</i>	-	two plants beside road in Bosco Quarto
Cactaceae	Cactus Family	
<i>Opuntia ficus-indica</i>	Prickly Pear	Peschici
Campanulaceae	Bellflower Family	
<i>Campanula garganica*</i>	a Bellflower (endemic)	Monte Sant'Angelo castle, Peschici walls
Caprifoliaceae	Honeysuckle Family	
<i>Centranthus ruber</i>	Red Valerian	roadsides
<i>Dipsacus fullonum</i>	Wild Teasel	waste areas, verges
<i>Lomelosia crenata</i> subsp. <i>dalleportae*</i>	An endemic Scabious	Pulsano Gorge
<i>Lonicera etrusca</i>	Etruscan Honeysuckle	Quarry stop
<i>Lonicera periclymenum</i>	Honeysuckle	Bosco Quarto
<i>Scabiosa ochroleuca</i>	Yellow Scabious	Mullein stop
<i>Valeriana tuberosa</i>	-	widespread
<i>Valerianella</i> agg.	A Cornsalad	Tulip stop
Caryophyllaceae	Pink Family	
<i>Arenaria serpyllifolia</i>	Thyme-leaved Sandwort	Pulsano gorge
<i>Cerastium fontanum</i>	Common Mouse-ear	widespread
<i>Cerastium glomeratum</i>	Sticky Mouse-ear	Tulip stop
<i>Petrorhagia velutina</i>	Kohlrauschia	nr Peschici
<i>Silene colorata</i>	-	Pulsano gorge
<i>Silene conica</i>	Sand Catchfly	salt pan stop nr Zaponetta
<i>Silene italica</i>	Italian Catchfly	Monte Saraceno
<i>Silene latifolia</i>	White Champion	roadsides
<i>Silene vulgaris</i>	Bladder Champion	nr Tulip stop
<i>Stellaria media</i>	Common Chickweed	roadsides and verges
<i>Stellaria nemorum</i>	Wood Stitchwort	Bosco Quarto
<i>Spergularia</i> sp	a Spurrey	rocks at Peschici
Celastraceae	Spindle Family	
<i>Euonymus europaeus</i>	Spindle	Bosco Quarto
Chenopodiaceae	Goosefoot Family	
<i>Chenopodium album</i>	Fat Hen	Tulip stop
Cistaceae	Rock-rose Family	
<i>Cistus creticus (albidus)</i>	Pink Cistus	roadsides, most common nr Peschici
<i>Cistus monspeliensis</i>	Narrow-leaved Cistus	Monte Saraceno
<i>Cistus salvifolius</i>	Sage-leaved Cistus	common in stony areas
<i>Helianthemum apenninum</i>	White Rock-rose	nr Bosco Quarto

Scientific name	Common name	Location
<i>Helianthemum oelandicum</i> subsp. <i>incanum</i>	Hoary Rock-rose	nr Foresta Umbra
<i>Helianthemum nummularium</i>	Rock-rose	widespread on stony hillsides
<i>Helianthemum salicifolium</i>	Willow-leaved Rock-rose	Pulsano Monastery road
<i>Tuberaria guttata</i>	Spotted Rock-rose	Monte Sacro
Compositae (Asteraceae)	Daisy Family	
<i>Achillea millefolium</i>	Yarrow	roadside stop nr Monte Sant'Angelo
<i>Andryala integrifolia</i>	Andryala	leaves and buds only
<i>Artemisia absinthium</i>	Wormwood	Pulsano Monastery
<i>Bellis perennis</i>	Daisy	widespread and common
<i>Bellis sylvestris</i>	Southern Daisy	Pulsano roadside stop
<i>Calendula arvensis</i>	Field Marigold	common in grassy areas
<i>Centaurea alba</i>	a Knapweed	nr Bosco Quarto
<i>Centaurea cyanus</i>	Cornflower	leaves only
<i>Centaurea diomedeae</i>	A fine-leaved Knapweed	mostly in tight bud, Monte Saraceno
<i>Cirsium tenoreanum</i>	a Woolly Thistle	leaves only
<i>Crepis rubra</i>	Pink Hawksbeard	common and widespread
<i>Crupina crupinastrum</i>	Crupina	Pulsano road
<i>Dittrichia viscosa</i>	Woody Fleabane	not in flower
<i>Doronicum columnae</i>	Heart-leaved Leopard's-bane	Bosco Quarto
<i>Evax pygmaea</i>	Evax	Pulsano Monastery
<i>Galactites tomentosa</i>	Galactites	widespread and common
<i>Glebionis coronarium</i>	Crown Daisy	roadsides near Bari
<i>Glebionis segetum</i>	Corn Marigold	field margins
<i>Helichrysum stoechas</i>	Curry Plant	Monte Saraceno
<i>Jurinea mollis</i>	a 'soft' Thistle	Monte Saraceno
<i>Matricaria recutita</i>	Scented Mayweed	Peschici
<i>Pallenis spinosa</i>	Pallenis	Mullein stop - mostly in bud
<i>Phagnalon rupestre</i>	Phagnalon	Monte Saraceno
<i>Ptilostemon gnaphaloides</i>	a Ptilostemon	Monte Saraceno
<i>Reichardia tingitana</i>	-	garden escape in Peschici
<i>Rhagadiolus edulis</i>	-	possibly this species at Fly-tip stop
<i>Rhagadolus stellatus</i>	Star Hawkbit	Mullein stop, and Fly-tip stop
<i>Scorzonera laciniata</i>	Cut-leaved Viper's-grass	Mullein stop
<i>Scorzonera villosa</i>	Hairy Viper's Grass	Bosco Quarto
<i>Senecio gallicus</i>	-	coastal salt pans
<i>Senecio (integrifolius)</i>	a Fleawort	nr Peschici
<i>Senecio vulgaris</i>	Groundsel	Tulip stop
<i>Silybum marianum</i>	Milk Thistle	Bosco Quarto
<i>Sonchus asper</i>	Prickly Sow Thistle	Tulip stop
<i>Taraxacum</i> agg.	a Dandelion	widespread in grassy areas
<i>Tragopogon crocifolius</i>	-	grassy areas, Pilgrim's Path
<i>Tragopogon hybridum</i>	-	occasional sightings
<i>Tragopogon porrifolius</i>	Salsify	roadsides and verges
<i>Tripleurospermum inodorum</i>	Scentless Mayweed	roadside Tulip stop
<i>Tussilago farfara</i>	Colt's-foot	leaves only, Bosco Quarto
<i>Urospermum dalechampii</i>	Urospermum	Olive grove roadside stop
<i>Urospermum picroides</i>	-	Fly-tip stop
Convolvulaceae	Bindweed Family	
<i>Calystegia sepium</i>	Hedge Bindweed	Pilgrim's Path
<i>Convolvulus althaeoides</i>	Mallow-leaved Bindweed	common on roadside banks and rocks
<i>Convolvulus althaeoides</i> subsp. <i>tenuissimus</i>	a Mallow-leaved Bindweed	possibly seen nr Monte Sacro
<i>Convolvulus cantabrica</i>	Pink Bindweed	possibly seen on roadside - Mattinata

Scientific name	Common name	Location
<i>Cuscuta campestris</i>	Field Dodder	thought to be this species - nr Peschici
Cornaceae	Dogwood Family	
<i>Cornus sanguinea</i>	Dogwood	nr Peschici
Crassulaceae	Stonecrop Family	
<i>Sedum acre</i>	Biting Stonecrop	roadside rocks nr Foresta Umbra
<i>Sedum album</i>	White Stonecrop	Pilgrim's Path
<i>Sedum rubens</i>	Reddish Stonecrop	leaves only
<i>Sedum stellatum</i>	Starry Stonecrop	possibly - leaves only
<i>Umbilicus rupestris</i>	Wall Pennywort	common on rocks in Bosco Quarto
Cucurbitaceae	Cucumber family	
<i>Bryonia dioica</i>	White Bryony	nr Peschici
<i>Ecballium elaterium</i>	Squirting Cucumber	salt marsh near Zaponetta
Ericaceae	Heather Family	
<i>Arbutus unedo</i>	Strawberry Tree	road to Foresta Umbra
<i>Erica arborea</i>	Tree Heather	road to Foresta Umbra
Euphorbiaceae	Spurge Family	
<i>Euphorbia amygdaloides</i>	Wood Spurge	Bosco Quarto
<i>Euphorbia characias</i> subsp. <i>characias</i>	Mediterranean Spurge	widespread and common
<i>Euphorbia cyparissias</i>	Cypress Spurge	nr Peschici
<i>Euphorbia helioscopia</i>	Sun Spurge	Tulip stop, Pulsano Monastery
<i>Euphorbia myrsinites</i>	Broad-leaved Glaucous Spurge	Bosco Quarto
<i>Euphorbia peplus</i>	Petty Spurge	Tulip stop
<i>Euphorbia spinosa</i>	Spiny Spurge	common on some stony sites, Pulsano
<i>Mercurialis annua</i>	Annual Mercury	Monte Saraceno
<i>Mercurialis perennis</i>	Dog's Mercury	Bosco Quarto
Fagaceae	Beech Family	
<i>Castanea sativa</i>	Sweet Chestnut	Foresta Umbra
<i>Fagus sylvatica</i>	Beech	Foresta Umbra
<i>Quercus cerris</i>	Turkey Oak	Bosco Quarto
<i>Quercus coccifera</i>	Spanish Oak	Monte Saraceno
<i>Quercus ilex</i>	Holm Oak	widespread
<i>Quercus pubescens</i>	Downy Oak	nr Peschici
Gentianaceae	Gentian Family	
<i>Blackstonia perfoliata</i>	Yellow-wort	Olive grove nr Peschici
Geraniaceae	Crane's-bill Family	
<i>Erodium ciconium</i>	a Stork's-bill	Peschici
<i>Erodium cicutarium</i>	Common Stork's-bill	widespread and common
<i>Erodium malacoides</i>	Mallow-leaved Stork's-bill	Olive grove stop
<i>Geranium columbinum</i>	Long-stalked Crane's-bill	Bosca da Spina Pulci
<i>Geranium dissectum</i>	Cut-leaved Crane's-bill	roadsides
<i>Geranium lucidum</i>	Shining Crane's-bill	Bosco Quarto
<i>Geranium molle</i>	Dove's-foot Crane's-bill	widespread
<i>Geranium purpureum</i>	Little Robin	Bosco Quarto
<i>Geranium robertianum</i>	Herb Robert	widespread
<i>Geranium rotundifolium</i>	Round-leaved Crane's-bill	Bosco Quarto, Pilgrim's Path
<i>Geranium sanguineum</i>	Bloody Crane's-bill	Quarry stop
Hypericaceae	St. John's-wort Family	
<i>Hypericum perforatum</i>	Perforate St. John's-wort	leaves only
Lamiaceae	Deadnettle Family	
<i>Ajuga chamaepitys</i>	Ground Pine	leaves only, scarce this year
<i>Clinopodium acinos</i>	Basil-thyme	Pulsano road
<i>Clinopodium (Acinos) alpinus</i>	Alpine Basil Thyme	Monte Sacro

Scientific name	Common name	Location
<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 alysson</i>	a pink Horehound	Monte Saraceno
<i>Marrubium vulgare</i>	White Horehound	Monte Saraceno - abundant
<i>Origanum vulgare</i>	Oregano	Pulsano areas
<i>Prasium majus</i>	Prasium	Pilgrim's Path, Monte Saraceno
<i>Prunella vulgaris</i>	Selfheal	Bosco Quarto
<i>Rosmarinus officinalis</i>	Rosemary	widespread and common
<i>Salvia argentea</i>	Silver Sage	leaves only, Pulsano road
<i>Salvia fruticosa</i>	Three-leaved Sage	Pulsano road, first stop
<i>Salvia pratensis</i>	Meadow Clary	Bosco Quarto
<i>Salvia verbenaca</i>	Wild Clary	scattered sites, common
<i>Satureja hortensis</i>	Summer Savory	Olive grove stop
<i>Sideritis romana</i>	Common Sideritis	Pilgrim's Path
<i>Stachys cretica</i>	Mediterranean Woundwort	Bosco Quarto
<i>Stachys officinalis</i>	Betony	leaves and buds only
<i>Thymus capitatus</i>	A Thyme	widespread, stony areas
Leguminosae (Fabaceae)	Pea Family	
<i>Anagyris foetida</i>	Bean Trefoil	nr Peschici, Quarry stop
<i>Anthyllis barba-jovis</i>	Jupiter's Beard	Rocks and cliffs at Peschici
<i>Anthyllis vulneraria</i> agg.	Kidney Vetch	Peschici
<i>Anthyllis vulneraria</i> subsp. <i>praeporea</i>	Mediterranean Kidney Vetch (Pink)	very common, Pulsano monastery road
<i>Astragalus monspessulanus</i>	False Vetch	Pulsano Gorge
<i>Bitumaria bituminosa</i>	Pitch Trefoil	Pulsano Gorge
<i>Calycotome infesta</i>	Spiny Broom	widespread and common
<i>Ceratonia siliqua</i>	Carob	Monte Saraceno
<i>Cercis siliquastrum</i>	Judas Tree	Monte Sant'Angelo
<i>Coronilla scorpioides</i>	Annual Scorpion Vetch	Pulsano Gorge
<i>Cytisus decumbens</i>	Prostrate Broom	Pulsano Gorge
<i>Dorycnium hirsutum</i>	Dorycnium	Pulsano
<i>Hedysarum coronarium</i>	Italian Sainfoin	grassy road side verge, Bosco Quarto
<i>Hippocrepis comosa</i>	Horseshoe Vetch	common in stony areas
<i>Hippocrepis emerus</i> subsp. <i>emeroides</i>	False Senna	roadsides, Cyclamen stop
<i>Hymenocarpus circinatus</i>	Disk Trefoil	Pulsano Monastery
<i>Lathyrus aphaca</i>	Yellow Vetchling	Pulsano Monastery
<i>Lathyrus cicera</i>	a Vetchling	widespread and common
<i>Lathyrus clymenum</i>	a "two-tone" pea	grassy verges
<i>Lathyrus hybridus</i>	Hairy Yellow Vetch	Bosco Quarto and Cyclamen stop
<i>Lathyrus ochrus</i>	-	Pulsano Monastery
<i>Lathyrus setifolius</i>	Red Grass Vetchling	Bosco Quarto
<i>Lathyrus venetus</i>	a "tufted" vetch - pink and purple	Pilgrim's Path
<i>Lathyrus vernus</i>	Spring Pea	leaves only, Monte Calvo
<i>Lotus corniculatus</i>	Bird's-foot Trefoil	Pulsano
<i>Lotus creticus</i>	Southern Bird's-foot Trefoil	Salt pans nr Zaponetta
<i>Lotus cytisoides</i>	a Trefoil	rocks nr Peschici
<i>Lotus halophilus</i>	Sea Bird's-foot Trefoil	Salt pans nr Zaponetta
<i>Lupinus micranthus</i>	Hairy Lupin	Fly-tip stop
<i>Medicago arabica</i>	Spotted Medick	widespread, grassy areas
<i>Medicago littoralis</i>	Shore Medick	salt marsh stop
<i>Medicago marina</i>	Sea Medick	Zaponetta
<i>Medicago orbicularis</i>	Large Disk Medick	Quarry stop
<i>Medicago polymorpha</i>	Toothed Medick	coastal salt pans

Scientific name	Common name	Location
<i>Melilotus indicus</i>	Small Mellilot	Mullein stop
<i>Onobrychis aequidentata</i>	a Sainfoin - delicate purple flowers	Monte Saraceno
<i>Onobrychis caput-galli</i>	Cock's-comb Sainfoin	fairly common in stony areas
<i>Onobrychis crista-galli</i>	-	Pulsano monastery
<i>Onobrychis saxatilis</i>	Rock Sainfoin	Pulsano road - first stop
<i>Pisum sativum</i> subsp. <i>elatius</i>	Cultivated Pea	roadsides, Bosco Quarto
<i>Robinia pseudacacia</i>	False Acacia	roadsides
<i>Scorpiurus muricatus</i>	a Scorpiurus	possibly - Monte Sacro road
<i>Spartium junceum</i>	Spanish Broom	scattered sites
<i>Tetragonolobus purpureus</i>	Winged or Asparagus Pea	Pulsano Monastery areas
<i>Trifolium campestre</i>	Hop Trefoil	Pulsano monastery
<i>Trifolium dubium</i>	Lesser Trefoil	Monte Sant'Angelo
<i>Trifolium hirtum</i>	Hairy Trefoil	Monte Sant'Angelo
<i>Trifolium incarnatum</i>	Crimson Clover	in tight bud only
<i>Trifolium medium</i>	Zigzag Clover	Tulip stop
<i>Trifolium pratense</i>	Red Clover	roadsides
<i>Trifolium repens</i>	White Clover	Pilgrim's Path
<i>Trifolium resupinatum</i>	Reversed Clover	Fly-tip stop
<i>Trifolium stellatum</i>	Star Clover	Pulsano
<i>Trifolium subterraneum</i>	Burrowing Clover	Monte Sant'Angelo
<i>Trifolium tomentosum</i>	Woolly Trefoil	Bosco Quarto
<i>Vicia barbazitae</i>	small two-tone flowers	Bosco Quarto first stop
<i>Vicia benghalensis</i>	Benghal Vetch	Monte Sacro
<i>Vicia bithynica</i>	Bithynian Vetch	Monte Sacro
<i>Vicia cracca</i>	Tufted Vetch	Pulsano
<i>Vicia hirsuta</i>	Hairy Tare	Bosco Quarto
<i>Vicia hybrida</i>	a Yellow Vetch	start of Pilgrim's Path
<i>Vicia lutea</i>	Yellow Vetch	grassy areas
<i>Vicia melanops</i>	Black Vetch	Pilgrim's Path
<i>Vicia peregrina</i>	-	Pulsano road
<i>Vicia sativa</i> agg	Common Vetch	Pilgrim's Path
<i>Vicia villosa</i>	Fodder Vetch	Pulsano road
Linaceae	Flax Family	
<i>Linum austriacum</i> (<i>narbonense</i>)	Beautiful Flax	Monte Calvo areas
<i>Linum bienne</i>	Pale Flax	scattered sites
<i>Linum catharticum</i>	Fairy (Purging) Flax	Pulsano road
<i>Linum perenne</i>	Perennial Flax	open areas nr Bosco Quarto
<i>Linum tenuifolium</i>	-	Monte Sacro
<i>Linum trigynum</i>	a yellow flax	Fly-tip stop
Malvaceae	Mallow Family	
<i>Lavatera arborea</i>	Tree Mallow	Peschici
<i>Lavatera cretica</i>	Cretan Mallow	Peschici
<i>Malva cretica</i>		Olive grove stop
<i>Malva neglecta</i>	Dwarf Mallow	motorway stop
<i>Malva sylvestris</i>	Common Mallow	very common on verges
<i>Tilia cordata</i>	Small-leaved Lime	Foresta Umbra
Moraceae	Mulberry Family	
<i>Ficus carica</i>	Fig	common and widespread
Oleaceae	Olive Family	
<i>Fraxinus ornus</i>	Flowering Ash	very common and flowering prolifically
<i>Ligustrum vulgare</i>	Privet	Pulsano, Monte Calvo
<i>Olea europaea</i>	Olive	extensively cultivated

Scientific name	Common name	Location
Orobanchaceae	Broomrape Family	
<i>Bellardia trixago</i>	Bellardia	Monte Saraceno
<i>Euphrasia</i> agg.	Eyebright	Quarry stop
<i>Orobanche amethystea</i>	Amethyst Broomrape	grassy verge, not fully open
<i>Orobanche caryophyllacea</i>	Clove-scented Broomrape	Pulsano Gorge
<i>Orobanche minor</i>	Common Broomrape	mostly in tight bud
<i>Orobanche purpurea</i>	Yarrow Broomrape	Pulsano Gorge
<i>Orobanche ramosa</i>	Branched Broomrape	Monte Saraceno
<i>Orobanche sanguinea</i>		
<i>Parentucella latifolia</i>	Southern Red Bartsia	Monte Sacro
<i>Parentucella viscosa</i>	Yellow Bartsia	mostly in bud, fly-tip stop
Oxalidaceae	Wood-sorrel Family	
<i>Oxalis corniculata</i>	Procumbent Yellow Sorrel	Monte Sant'Angelo
<i>Oxalis pes-caprae</i>	Bermuda Buttercup	more common near coast, fields, verges
Paeoniaceae	Paeony Family	
<i>Paeonia mascula</i>	A Peony	shady bank nr Bosco Quarto
Papaveraceae	Poppy Family	
<i>Chelidonium majus</i>	Greater Celandine	roadside out of Peschici
<i>Corydalis solida</i>	Bird-in-a-bush	Bosco Quarto
<i>Fumaria capreolata</i>	Tall Ramping Fumitory	Peschici
<i>Fumaria muralis</i>	Common Ramping Fumitory	Peschici
<i>Fumaria officinalis</i>	Common Fumitory	possibly this species, Peschici
<i>Papaver apulum</i>	-	coastal salt pans
<i>Papaver hybridum</i>	Rough Poppy	Tulip stop
<i>Papaver rhoeas</i>	Common Poppy	common on agricultural land
Plantaginaceae	Plantain Family	
<i>Antirrhinum siculum</i>	Sicilian Snapdragon	Peschici
<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax	rocks and walls, common
<i>Linaria pelisseriana</i>	Jersey Toadflax	fly-tip stop
<i>Misopates orontium</i>	Weasel Snout	roadside stops, scarce
<i>Plantago arenaria</i>	Branched Plantain	fly-tip stop
<i>Plantago coronopus</i>	Buck's-horn Plantain	very common
<i>Plantago lagopus</i>	Hare's-foot Plantain	Monte Saraceno
<i>Plantago lanceolata</i>	Ribwort Plantain	very common
<i>Plantago maritima</i>	Sea Plantain	Peschici
<i>Plantago seraria</i>	-	Monte Saraceno
<i>Veronica cymbalaria</i>	Cymbalaria-leaved Speedwell	Pilgrim's Path
<i>Veronica hederifolia</i> agg.	Ivy-leaved Speedwell	Bosco Quarto
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	Pulsano Monastery
Plumbaginaceae	Thrift Family	
<i>Limonium oleifolium</i>	a Rock Sea-lavender	leaves only, Peschici
Polygalaceae	Milkwort Family	
<i>Polygala nicaeensis</i>	Nice Milkwort	Pulsano Gorge
<i>Polygala vulgaris</i>	Common Milkwort	common
Polygonaceae	Knotweed Family	
<i>Polygonum maritimum</i>	Sea Knotgrass	salt marsh area
<i>Rumex obtusifolius</i>	Broad-leaved Dock	Tulip stop
<i>Rumex pulcher</i>	Fiddle Dock	Cyclamen stop
Primulaceae	Primrose Family	
<i>Anagallis arvensis</i> (red & blue forms)	Scarlet Pimpernel	roadsides
<i>Cyclamen hederifolium</i>	Ivy-leaved Sowbread	leaves only, Foresta Umbra
<i>Cyclamen repandum</i>	Spring Cyclamen	Foresta Umbra

Scientific name	Common name	Location
Ranunculaceae	Buttercup Family	
<i>Anemone apennina</i>	Blue Anemone	Bosco Quarto
<i>Anemone hortensis</i>	-	Pulsano area
<i>Eranthis hyemalis</i>	Winter Aconite	leaves only, Tulip stop
<i>Ficaria verna</i> agg.	Lesser Celandine	leaves only, Pilgrim's Path
<i>Nigella damascena</i>	Love-in-a-mist	Pulsano area
<i>Ranunculus acris</i>	Meadow Buttercup	Bosco Quarto
<i>Ranunculus arvensis</i>	Corn Buttercup	Pulsano area
<i>Ranunculus bulbosus</i>	Bulbous Buttercup	Tulip stop
<i>Ranunculus millefoliatus</i>	-	open sunny areas, Pulsano road
<i>Ranunculus muricatus</i>	Rough-fruited Buttercup	possibly - Tulip stop
<i>Ranunculus repens</i>	Creeping Buttercup	Pilgrim's path
<i>Ranunculus sceleratus</i>	Celery-leaved Buttercup	nr Zaponetta
Resedaceae	Mignonette Family	
<i>Reseda alba</i>	White Mignonette	widespread
<i>Reseda lutea</i>	Wild Mignonette	widespread
<i>Reseda luteola</i>	Weld	Bosco Quarto
<i>Reseda phyteuma</i>	Corn Mignonette	nr Peschici
Rhamnaceae	Buckthorn Family	
<i>Paliurus spina-christi</i>	Christ's Thorn	Mullein stop, and quarry
<i>Rhamnus alaternus</i>	Mediterranean Buckthorn	Pulsano Gorge
Rosaceae	Rose Family	
<i>Aremonia agrimonioides</i>	Bastard Agrimony	Bosco Quarto
<i>Crataegus monogyna</i>	Hawthorn	Pilgrim's Path
<i>Cydonia oblonga</i>	Quince	Monte Calvo area
<i>Filipendula vulgaris</i>	Dropwort	Pulsano road
<i>Fragaria vesca</i>	Wild Strawberry	Pilgrim's Path
<i>Geum urbanum</i>	Wood Avens	Bosco Quarto
<i>Malus sylvestris</i>	Crab Apple	Foresta Umbra
<i>Potentilla hirta</i>	Hairy Cinquefoil	Quarry stop
<i>Potentilla sterilis</i>	Barren Strawberry	Bosco Quarto
<i>Prunus dulcis</i>	Almond	Foresta Umbra
<i>Prunus spinosa</i>	Blackthorn	Bosco Quarto
<i>Pyracantha coccinea</i>	Firethorn	Peschici
<i>Pyrus amygdaliformis</i>	Almond-leaved Pear	Monte Sacro
<i>Pyrus communis</i>	Pear	Bosco Quarto
<i>Rosa</i> sp.	A Rose	Pilgrim's Path
<i>Rubus fruticosus</i> agg	Bramble	Pilgrim's Path
<i>Rubus sanctus</i>	a Bramble	Monte Sacro
<i>Sanguisorba (Poterium) minor</i>	Salad Burnet	Pulsano road
<i>Sorbus aucuparia</i>	Rowan or Mountain Ash	Bosco Quarto
<i>Sorbus torminalis</i>	Wild Service Tree	Monte Calvo
Rubiaceae	Bedstraw Family	
<i>Asperula arvensis</i>	Blue Woodruff	Tulip stop
<i>Asperula taurina</i>	Southern Woodruff	possibly - not in flower - Foresta Umbra
<i>Cruciata laevipes</i>	Crosswort	roadsides, verges
<i>Galium aparine</i>	Cleavers	roadsides, verges
<i>Galium mollugo</i>	Hedge Bedstraw	nr Peschici
<i>Galium odoratum</i>	Woodruff	Foresta Umbra
<i>Galium verum</i>	Lady's Bedstraw	leaves only
<i>Rubia peregrina</i>	Wild Madder	road to Foresta Umbra
<i>Sherardia arvensis</i>	Field Madder	Bosco Quarto
<i>Valantia muralis</i>	a Valantia	Monte Saraceno

Scientific name	Common name	Location
Rutaceae	Rue Family	
<i>Ruta chalepensis</i>	Fringed Rue	leaves only
Santalaceae	Sandalwood Family	
<i>Osyris alba</i>	Osyris	Monte Saraceno
<i>Thesium sp.</i>	a Bastard Toadflax	scattered sites, Pulsano, Monte Sacro
Sapindaceae	Maple Family	
<i>Acer campestre</i>	Field Maple	widespread
<i>Acer platanoides</i>	Norway Maple	Monte Sant'Angelo
<i>Acer pseudoplatanus</i>	Sycamore	Monte Sant'Angelo
<i>Acer obtusatum</i>	Bosnian Maple	Bosco Quarto
<i>Acer opalus</i>	Italian Maple	Bosco Quarto
Saxifragaceae	Saxifrage Family	
<i>Saxifraga granulata</i>	Meadow Saxifrage	widespread, Pulsano, Bosco Quarto
<i>Saxifraga rotundifolia</i>	Round-leaved Saxifrage	Monte Sant'Angelo
<i>Saxifraga tridactylites</i>	Rue-leaved Saxifrage	Pilgrim's Path
Scrophulariaceae	Figwort Family	
<i>Scrophularia peregrina</i>	Italian (Nettle-leaved) Figwort	leaves and buds only
<i>Scrophularia scopolii</i>	a Figwort	Mullein stop
<i>Verbascum longiflorum</i>	a Mullein	roadsides
<i>Verbascum phoeniceum</i>	Purple Mullein	Bosco di Spina Pulci
<i>Verbascum thapsus</i>	Aaron's Rod	roadsides, common in places
<i>Verbascum undulatum</i>	a Mullein	possibly - a roadside plant
Solanaceae	Nightshade Family	
<i>Hyoscyamus alba</i>	White Henbane	leaves only on Monastery wall
<i>Solanum sodomium</i>	Apple of Sodom	single shrub nr Peschici
Thymelaeaceae	Daphne Family	
<i>Daphne laureola</i>	Spurge Laurel	Bosco Quarto and Foresta Umbra
<i>Daphne sericea</i>		Cyclamen stop
Ulmaceae	Elm Family	
<i>Ulmus agg.</i>	An Elm	Monte Sant'Angelo
Urticaceae	Nettle Family	
<i>Parietaria judaica</i>	Pellitory of the Wall	widespread
<i>Urtica dioica</i>	Nettle	roadsides, verges
<i>Urtica pilulifera</i>	Roman Nettle	Monte Saraceno
Violaceae	Violet Family	
<i>Viola arvensis</i>	Field Pansy	Tulip stop
<i>Viola graeca</i>	A Pansy (purple or cream)	Bosco Quarto
<i>Viola riviniana</i>	Common Dog Violet	Pulsano area
Vitaceae	Grape-vine Family	
<i>Vitis vinifera</i>	Grape	extensively cultivated
Monocots	Monocotyledons	
Amaryllidaceae	Daffodil Family	
<i>Allium neapolitanum</i>	Naples Garlic	Pulsano gorge
<i>Allium pendulinum</i>	Pendulous Garlic	woods near Monte Calvo
<i>Allium roseum</i>	Rose Garlic	roadside nr Peschici
<i>Allium subhirsutum</i>	Hairy Garlic	Monte Calvo
<i>Allium subvillosum</i>	-	possibly this species - Monte Calvo
<i>Allium triquetum</i>	Three-cornered Leek	coastal salt pan areas
<i>Allium ursinum</i>	Ramsons	Foresta Umbra
<i>Galanthus sp</i>	a Snowdrop	Bosco Quarto, leaves only
<i>Narcissus poeticus</i>	Pheasant's-eye Daffodil	Bosco Quarto
<i>Narcissus (tazetta)</i>		unknown species in Bosco Quarto

Scientific name	Common name	Location
Araceae	Arum Family	
<i>Arum italicum</i> subsp. <i>italicum</i>	Large Cuckoo Pint	Monte Saraceno
<i>Arum maculatum</i>	Cuckoo Pint	Bosco Quarto
Asparagaceae	Asparagus Family	
<i>Agave americana</i>	Century Plant	widespread in towns and roadsides
<i>Asparagus acutifolius</i>	Spiny Asparagus	widespread
<i>Leopoldia (Muscari) comosa</i>	Tassel Hyacinth	Monte Saraceno
<i>Muscari neglectum</i>	Dark Grape Hyacinth	very common on open hillsides
<i>Ornithogalum angustifolium</i>	Common Star-of-Bethlehem	Pulsano Gorge
<i>Ornithogalum montanum</i>	A Star-of-Bethlehem	Pulsano Gorge
<i>Ornithogalum pyrenaicum</i>	Bath Asparagus	Bosco di Spina Pulci
<i>Polygonatum multiflorum</i>	Solomon's Seal	Bosco Quarto
<i>Ruscus aculeatus</i>	Butcher's Broom	Bosco Quarto
<i>Urginea maritima</i>	Sea Squill	leaves only - widespread
Cyperaceae	Sedge Family	
<i>Carex caryophyllea</i>	Spring Sedge	Pulsano road
<i>Carex sylvatica</i>	Wood Sedge	Bosco Quarto, Foresta Umbra
<i>Carex panicea</i>	Carnation Sedge	Quarry stop
<i>Carex flacca</i>	Glaucous Sedge	Foresta Umbra
Dioscoreaceae	Yam Family	
<i>Dioscorea (Tamus) communis</i>	Black Bryony	Pilgrim's Path
Iridaceae	Iris Family	
<i>Crocus</i> sp.	a Crocus	Bosco Quarto
<i>Gladiolus italicus</i>	Field Gladiolus	leaves only
<i>Hemodactylus tuberosus</i>	Widow or Snake's-head Iris	Pilgrim's Path
<i>Iris foetidissima</i>	Stinking Iris	Cyclamen stop
<i>Iris lutescens</i> *	-	Bosco Quarto
<i>Iris pseudopumila</i> *	-	Bosco Quarto
<i>Romulea bulbocodium</i>		Bosco Quarto
Juncaceae	Rush Family	
<i>Luzula campestris</i>	Field Wood-rush	Foresta Umbra
<i>Luzula forsteri</i>	Southern Wood-rush	Foresta Umbra
Liliaceae	Lily Family	
<i>Tulipa sylvestris</i>	Wild Tulip	cultivated fields near Monte Sant'Angelo
<i>Gagea (arvensis)</i>	a Yellow Star-of-Bethlehem	Bosco Quarto

Note: The Orchidaceae are an evolving group, and subject to debate between 'splitters' (eg. Delforge) and 'lumpers'

Scientific name	Common name	Location
<i>Anacamptis morio</i> subsp. <i>morio</i>	Green-winged Orchid	Pulsano road, common
<i>Anacamptis morio</i> subsp. <i>picta</i>	a Green-winged Orchid	road to Foresta Umbra
<i>Anacamptis papilionacea</i>	Pink Butterfly Orchid	Pulsano road
<i>Anacamptis pyramidalis</i>	Pyramidal Orchid	Bosco da Spina Pulci
<i>Cephalanthera damasonium</i>	White Helleborine	roadside nr Peschici
<i>Dactylorhiza saccifera</i>	Wedge-lipped Orchid	woods nr Monte Calvo
<i>Dactylorhiza romana</i>	Roman Orchid	woods nr Monte Calvo
<i>Dactylorhiza sambucina</i>	Elder-flowered Orchid	woods nr Monte Calvo, scarce
<i>Himantoglossum hircinum</i>	Lizard Orchid	leaves and buds only
<i>Himantoglossum robertianum</i>	Giant Orchid	on bank nr salt marshes, nr Bosco Quarto
<i>Neotinea (Orchis) lactea</i>	Milky Orchid	Pulsano road
<i>Neotinea maculata</i>	Dense-flowered Orchid	only in tight bud nr Monte Sant'Angelo
<i>Neotinea (Orchis) tridentata</i>	Toothed Orchid	buds only, Monte Sacro
<i>Neotinea (Orchis) ustulata</i>	Burnt Orchid	nr Bosco Quarto

Scientific name	Common name	Location
<i>Neottia nidus-avis</i>	Bird's Nest Orchid	dried-up seedheads from last year
<i>Ophrys apifera</i>	Bee Orchid	a few possible specimens at Fly-tip stop
<i>Ophrys bertoloniformis</i> *	-	roadside nr Monte Sacro
<i>Ophrys bertolonii</i>	Bertoloni's Bee Orchid	roadside nr Monte Sacro
<i>Ophrys argolica</i> subsp. <i>biscutella</i>	Spectacled Ophrys	Bosco Quarto
<i>Ophrys bombyliflora</i>	Bumblebee Ophrys	Pulsano Gorge
<i>Ophrys fuciflora</i>	Late Spider Orchid	Pulsano Gorge
<i>Ophrys fuciflora</i> subsp. <i>apulica</i> *	Apulian Ophrys	Fly-tip stop
<i>Ophrys fuciflora</i> subsp. <i>parvimaculata</i>	-	Quarry stop
<i>Ophrys fusca</i>	Sombre Bee Orchid	dried up and gone over
<i>Ophrys lutea</i> subsp. <i>galilea</i> (formerly <i>sicula</i>)	-	scattered sites, Pilgrim's path
<i>Ophrys lutea</i> subsp. <i>lutea</i>	Yellow Ophrys	Pilgrim's Path, Monte Sacro
<i>Ophrys lutea</i> subsp. <i>lutea</i> (formerly <i>phryganae</i>)	-	this species now not recognised
<i>Ophrys lutea</i> subsp. <i>melena</i>	a Yellow Ophrys	Monte Saraceno
<i>Ophrys promontorii</i> *	-	Pulsano road, Monte Sacro
<i>Ophrys sphegodes</i> subsp. <i>passionis</i> (<i>garganica</i>)	Gargano Ophrys	widespread and quite common
<i>Ophrys sphegodes</i> subsp. <i>sipontensis</i> *	-	Pulsano Monastery
<i>Ophrys sphegodes</i>	Early Spider Orchid	scattered site
<i>O. sphegodes</i> subsp. <i>atrata</i> (<i>O. incubacea</i>)	Dark Ophrys	Mullein stop
<i>Ophrys tenthredinifera</i>	Sawfly Ophrys	Pulsano Monastery
<i>Orchis anthropophora</i>	Man Orchid	quite common, many sites
<i>Orchis italica</i>	Naked Man Orchid	Pulsano road, Bosco Quarto
<i>Orchis pauciflora</i>	Sparse Flowered Orchid	Monte Sacro, Monte Calvo
<i>Orchis provincialis</i>	Provence Orchid	Quarry stop
<i>Orchis purpurea</i>	Lady Orchid	Olive grove nr Peschici
<i>Orchis quadripunctata</i>	Four-spotted Orchid	Monte Sacro
<i>Platanthera chlorantha</i>	Greater Butterfly Orchid	leaves and buds only
<i>Serapias bergonii</i>	Bergon's Tongue Orchid	Pulsano
<i>Serapias cordigera</i>	Heart-lipped Tongue Orchid	Bosco di Spina Pulci
<i>Serapias lingua</i>	Tongue Orchid	common on Monte Sacro but only just opening up
<i>Serapias orientalis</i>	-	a few plants at Monte Saraceno
<i>Serapias parviflora</i>	Small-flowered Tongue Orchid	Fly-tip stop
<i>Serapias vomeracea</i>	Plough-share Tongue Orchid	Fly-tip stop
Hybrids (a selection)		
<i>Orchis x bivonae</i> (<i>O. anthropophora</i> x <i>O. italica</i>)	-	possible specimen on Pulsano road
<i>Anacamptis morio</i> x <i>A. papilionacea</i>	-	Pulsano road
<i>Orchis pauciflora</i> x <i>Orchis quadripunctata</i>	-	Two specimens, Monte Sacro
Poaceae		
<i>Aegilops geniculata</i>	Aegilops	olive grove
<i>Aira praecox</i>	Silver Hair-grass	Monte Sant'Angelo
<i>Anisantha sterilis</i>	Barren Brome	roadsides
<i>Arundo donax</i>	Giant Reed	salt marsh near Zaponetta
<i>Anthoxanthum odoratum</i>	Sweet Vernal Grass	Pulsano Monastery
<i>Avena</i> sp.	an Oat	coastal salt pans
<i>Brachypodium sylvaticum</i>	False Brome	roadsides, Pilgrim's Path
<i>Briza maxima</i>	Large Quaking Grass	Pulsano Gorge
<i>Briza media</i>	Quaking Grass	Pulsano Gorge ?
Grass Family		

Scientific name	Common name	Location
<i>Bromus hordeaceus</i>	Soft-brome	Pulsano Gorge
<i>Hordeum murinum</i>	Wall Barley	salt pan area
<i>Hordeum sp.</i>	a Barley	roadsides
<i>Lagurus ovatus</i>	Hare's-foot Grass	salt pan area
<i>Melica uniflora</i>	Wood Melick	Bosco Quarto
<i>Phragmites australis</i>	Common Reed	coastal marshes
<i>Stipa pennata</i>	a Feather Grass	roadsides near Mattinata
Posidoniaceae	Neptune Grass Family	
<i>Posidonia oceanica</i>	Neptune Grass	"sea balls" from this species at coastal site
Smilacaceae	Smilax Family	
<i>Smilax aspera</i>	Common Smilax	Mullein sotp
Xanthorrhoeaceae	Asphodel Family	
<i>Asphodeline lutea</i>	Yellow Asphodel	Pulsano Monastery, Monte Sacro
<i>Asphodelus aestivus</i>	Common Asphodel	very common
<i>Asphodelus fistulosus</i>	Hollow-leaved Asphodel	Pulsano Monastery
LICHENS		
<i>Lobaria pulmonaria</i>	Tree Lungwort	Foresta Umbra
FUNGI		
<i>Morchella esculenta</i>	Morel	Bosco Quarto
<i>Coprinus (lagopus)</i>	Ink Cap sp	Bosco Quarto
<i>Stereum hirsutum</i>	a bracket fungus	Foresta Umbra
<i>Fomes spp</i>	Bracket fungus	Foresta Umbra
<i>Ganoderma sp</i>	a bracket fungus	Foresta Umbra

Birds (✓=recorded but not counted; h = heard only; m = male; f = female)

	Common name	Scientific name	April							
			16	17	18	19	20	21	22	23
1	Mallard	<i>Anas platyrhynchos</i>	✓							
2	Garganey	<i>Mareca querquedula</i>	✓							
3	Red-breasted Merganser	<i>Mergus serrator</i>	✓							
4	Greater Flamingo	<i>Phoenicopterus roseus</i>	✓							
5	White Stork	<i>Ciconia ciconia</i>	✓		6					
6	Eurasian Spoonbill	<i>Platalea leucorodia</i>	7							
7	Little Egret	<i>Egretta garzetta</i>	✓							
8	Pygmy Cormorant	<i>Microcarbo pygmaeus</i>	✓						✓	
9	Great Cormorant	<i>Phalacrocorax carbo</i>	1							
10	European Honey Buzzard	<i>Pernis apivorus</i>	P							
11	Western Marsh Harrier	<i>Circus aeruginosus</i>				4m2f				
12	Montagu's Harrier	<i>Circus pygargus</i>		1	1					
13	Common Buzzard	<i>Buteo buteo</i>	✓	✓	✓	✓	✓	✓		✓
14	Common Moorhen	<i>Gallinula chloropus</i>	✓							
15	Eurasian Oystercatcher	<i>Haematopus ostralegus</i>	✓							
16	Black-winged Stilt	<i>Himantopus himantopus</i>	✓							
17	Kentish Plover	<i>Charadrius alexandrinus</i>	3							
18	Little Ringed Plover	<i>Charadrius dubius</i>	✓							
19	Eurasian Curlew	<i>Numenius arquata</i>	✓							
20	Spotted Redshank	<i>Tringa erythropus</i>	1							
21	Common Sandpiper	<i>Actitis hypoleucos</i>						3	3	
22	Sanderling	<i>Calidris alba</i>	✓							
23	Common Snipe	<i>Gallinago gallinago</i>	✓							
24	Ruff	<i>Philomachus pugnax</i>	4							

	Common name	Scientific name	April								
			16	17	18	19	20	21	22	23	
25	Black-tailed Godwit	<i>Limosa limosa</i>	✓								
26	Slender-billed Gull	<i>Chroicocephalus genei</i>	3								
27	Yellow-legged Gull	<i>Larus michahellis</i>	✓		✓	✓		✓	✓	✓	
28	Rock Dove /Feral Pigeon	<i>Columba livia</i>						1	3	✓	
29	Common Wood Pigeon	<i>Columba palumbus</i>				✓	✓			✓	
30	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	✓					✓	✓		
31	Common Cuckoo	<i>Cuculus canorus</i>		✓	✓	✓	✓	✓			
32	Eurasian Scops Owl	<i>Otus scops</i>			H	H					
33	Tawny Owl	<i>Strix aluco</i>						1			
34	Alpine Swift	<i>Tachymarptis melba</i>						✓	✓		
35	Common Swift	<i>Apus apus</i>	✓	✓	✓	✓	✓	✓	✓		
36	Pallid Swift	<i>Apus pallidus</i>									
37	European Bee-eater	<i>Merops apiaster</i>		✓		49					
38	Eurasian Hoopoe	<i>Upupa epops</i>		✓	✓	✓	✓	2			
39	Great Spotted Woodpecker	<i>Dendrocopos major</i>		✓							
40	European Green Woodpecker	<i>Picus viridis</i>			✓	✓					
41	Lesser Kestrel	<i>Falco naumanni</i>	✓			✓			✓	✓	
42	Common Kestrel	<i>Falco tinnunculus</i>		✓						✓	
43	Eurasian Hobby	<i>Falco subbuteo</i>	✓		✓	✓			✓		
44	Monk Parakeet	<i>Myiopsitta monachus</i>	✓							✓	
45	Eurasian Golden Oriole	<i>Oriolus oriolus</i>							2		
46	Eurasian Jay	<i>Garrulus glandarius</i>			✓			✓	✓		
47	Common Magpie	<i>Pica pica</i>	✓	✓	✓	✓	✓			✓	
48	Western Jackdaw	<i>Corvus monedula</i>	✓	✓	✓	✓	✓	✓	✓	✓	
49	Hooded Crow	<i>Corvus cornix</i>	✓	✓	✓	✓			✓	✓	
50	Northern Raven	<i>Corvus corax</i>				✓	✓				
51	Eurasian Blue Tit	<i>Cyanistes caeruleus</i>		✓	✓	✓					
52	Great Tit	<i>Parus major</i>		✓	✓		✓	✓			
53	Coal Tit	<i>Parus ater</i>		□	✓		□	□			
54	Eurasian Skylark	<i>Alauda arvensis</i>	✓								
55	Crested Lark	<i>Galerida cristata</i>	✓								
56	Sand Martin	<i>Riparia riparia</i>	✓								
57	Barn Swallow	<i>Hirundo rustica</i>	✓		✓	✓			✓		
58	Common House Martin	<i>Delichon urbicum</i>	✓		✓					✓	
59	Cetti's Warbler	<i>Cettia cetti</i>							✓		
60	Common Chiffchaff	<i>Phylloscopus collybita</i>			✓			✓			
61	Western Bonelli's Warbler	<i>Phylloscopus bonelli</i>				✓	✓				
62	Zitting Cisticola	<i>Cisticola juncidis</i>	✓								
63	Eurasian Blackcap	<i>Sylvia atricapilla</i>		✓	✓	✓	✓	✓	✓		
64	Common Whitethroat	<i>Sylvia communis</i>			✓	✓	✓				
65	Spectacled Warbler	<i>Sylvia conspicillata</i>		2							
66	Subalpine Warbler	<i>Sylvia cantillans</i>		✓							
67	Sardinian Warbler	<i>Sylvia melanocephala</i>				✓	✓		✓		
68	Common Firecrest	<i>Regulus ignicapilla</i>			✓			✓			
69	Goldcrest	<i>Regulus regulus</i>			✓			□			
70	Eurasian Wren	<i>Troglodytes troglodytes</i>			✓	✓	✓				
71	Eurasian Nuthatch	<i>Sitta europaea</i>			✓	✓					
72	Eurasian Treecreeper	<i>Certhia familiaris</i>					✓				
73	Common Starling	<i>Sturnus vulgaris</i>	✓							✓	
74	Common Blackbird	<i>Turdus merula</i>	✓	✓	✓				✓		
75	European Robin	<i>Erithacus rubecula</i>						✓			

	Common name	Scientific name	April								
			16	17	18	19	20	21	22	23	
76	Common Nightingale	<i>Luscinia megarhynchos</i>		✓	✓						
77	Collared Flycatcher	<i>Ficedula albicollis</i>			✓	□					
78	Common Redstart	<i>Phoenicurus phoenicurus</i>				✓	✓		✓		
79	Blue Rock Thrush	<i>Monticola solitarius</i>		✓		✓			2		
80	European Stonechat	<i>Saxicola torquata</i>						✓			
81	Northern Wheatear	<i>Oenanthe oenanthe</i>						✓			
82	Black-eared Wheatear	<i>Oenanthe hispanica</i>		✓			✓				
83	Italian Sparrow	<i>Passer italiae</i>	✓	✓	✓	✓	✓	✓	✓	✓	
84	Dunnock	<i>Prunella modularis</i>									
85	Yellow (Ashy-headed) Wagtail	<i>Motacilla flava cinereocapilla</i>	✓								
86	Yellow (Black-headed) Wagtail	<i>Motacilla flava feldegg</i>	✓								
87	White Wagtail	<i>Motacilla alba</i>				✓	✓				
88	Common Chaffinch	<i>Fringilla coelebs</i>			✓	✓	✓		✓		
89	European Greenfinch	<i>Chloris chloris</i>					✓	✓			
90	European Goldfinch	<i>Carduelis carduelis</i>				✓	✓		✓		
91	European Serin	<i>Serinus serinus</i>	✓	✓	✓	✓	✓				
92	Corn Bunting	<i>Emberiza calandra</i>	✓		✓						
93	Cirl Bunting	<i>Emberiza cirius</i>			✓	✓	✓				

Reptiles & Amphibians (T = tadpoles)

1	Italian Pool Frog	<i>Pelophylax (Rana) bergeri</i>						✓		
2	Common Toad	<i>Bufo bufo</i>					T			
3	Green Lizard	<i>Lacerta viridis</i>			✓	✓	✓			
4	Italian Wall Lizard	<i>Podarcis sicula</i>		✓	✓	✓	✓	✓	✓	
5	Three-toed Skink	<i>Chalcides chalcides</i>			✓					
6	Western Whip Snake	<i>Coluber viridiflavus</i>					2			
7	Grass Snake	<i>Natrix natrix</i>					✓			
8	Aspic Viper	<i>Viperus aspis</i>	✓							
9	European Pond Terrapin	<i>Emys orbicularis</i>					✓			

Freshwater Fish

1	Golden Orfe	<i>Leuciscus idus</i>					✓			
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Molluscs (Invertebrates):

1	Roman Snail	<i>Helix pomatia</i>				✓			□	
2	Trapdoor Snail	<i>Pomatia elegans</i>			✓				✓	
3	Pelican's-foot Shell	<i>Aporrhais pes-pelecanis</i>							✓	
4	Necklace Shell	<i>Natica sp</i>							✓	
5	Common Cerith	<i>Cerithium vulgatum</i>							✓	
6	Purple Dye Murex	<i>Bolinus brandaris</i>							✓	
7	Noah's Ark Shell	<i>Arca noae</i>						✓	✓	
8	Lagoon Cockle	<i>Cerastoderma glaucum</i>						✓	✓	
9	Mediterranean Limpet	<i>Patella caerulea</i>						✓	✓	

Jellyfish

1	Barrel Jellyfish	<i>Rhizostoma pulmo</i>						✓	✓	
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Butterflies (? = possible)

1	Scarce Swallowtail	<i>Iphicides podalirius</i>				✓	✓			
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	Common name	Scientific name	April								
			16	17	18	19	20	21	22	23	
2	Swallowtail	<i>Papilio machaon</i>		✓	✓	✓	✓	✓	✓	✓	
3	Southern Festoon	<i>Zerynthia polyxena</i>			✓	✓	✓				
4	Large White	<i>Pieris brassicae</i>	✓	✓	✓	✓	✓	✓	✓		
5	Small White	<i>Pieris rapae</i>			✓	✓	✓	✓	✓		
6	Green-veined White	<i>Pieris napi</i>			✓	✓	✓				
7	Eastern Bath White	<i>Pontia edusa</i>				✓	✓				
8	Orange Tip	<i>Anthocharis cardamines</i>	✓	✓	✓	✓	✓	✓	✓		
9	Clouded Yellow	<i>Colias crocea</i>			✓	✓	✓		✓		
10	Brimstone	<i>Gonepteryx rhamni</i>			✓	✓	✓	✓	✓		
11	Green Hairstreak	<i>Callophrys rubi</i>				✓	✓		✓		
12	Small Copper	<i>Lycaena phlaeas</i>				✓	✓	✓			
13	Little Blue	<i>Cupido minimus</i>				✓		✓	✓		
14	Holly Blue	<i>Celastrina argiolus</i>			✓	✓		✓	✓		
15	Adonis Blue	<i>Polyommatus bellargus</i>									
16	Common Blue	<i>Polyommatus icarus</i>		✓		✓	✓				
17	Large Tortoiseshell	<i>Nymphalis polychloros</i>				✓	✓				
18	Small Tortoiseshell	<i>Aglais urticae</i>			✓						
19	Red Admiral	<i>Vanessa atalanta</i>	✓			✓	✓	✓	✓		
20	Painted Lady	<i>Vanessa cardui</i>		✓	✓	✓	✓		✓		
21	Nettle-tree Butterfly	<i>Libythea celtis</i>							✓		
22	Spotted Fritillary	<i>Melitaea didyma</i>					?				
23	Queen of Spain Fritillary	<i>Issoria lathonia</i>				1					
24	Speckled Wood	<i>Parage aegeria</i>			✓			✓			
25	Wall Brown	<i>Lasiommata megera</i>	✓	✓	✓	✓	✓	✓	✓		
26	Large Wall Brown	<i>Lasiommata maera</i>									
27	Small Heath	<i>Coenonympha pamphilus</i>		✓				✓	✓		
28	Mallow Skipper	<i>Carcharodus alceae</i>				✓		✓			
29	Grizzled Skipper	<i>Pyrgus malvae</i>						✓	✓		

Moths (L = larvae)

1	Nine-spotted	<i>Amata phegea</i>							1	
2	5-Spot Burnet	<i>Zygaena trifolii</i>							1	
3	Transparent Burnet	<i>Zygaena purpuralis</i>							4	
4	Hummingbird Hawk-moth	<i>Macroglossum stellatum</i>							1	
5	a Tiger Moth	<i>Ammobiota festiva</i>							1	
6	Forester Moth	<i>Adscita statices</i>							1	
7	Silver Y	<i>Autographa gamma</i>		✓		✓	✓		✓	
8	A Lackey moth sp	<i>Malacosoma franconica</i>		L						

Other Invertebrates:

1	Hairy Hawker Dragonfly	<i>Brachytron pratense</i>							✓	
2	Southern Hawker	<i>Aeshna cyanea</i>							✓	
3	Egyptian Grasshopper	<i>Anacridium aegyptium</i>							✓	
4	Field Cricket	<i>Gryllus campestris</i>			H					
5	A red-striped Shield Bug	<i>Graphosoma lineata (italica)</i>	✓							
6	an Ascalaphid	<i>Libelloides coccajus</i>							✓	
7	Carpenter Bee	<i>Xylocopa violacea</i>		✓	✓	✓	✓	✓	✓	
8	Garden Chafer	<i>Phyllopertha horticola</i>		✓						
9	Rose Chafer	<i>Cetonia aurata.</i>							✓	
10	a Dung Beetle	<i>Scarabaeus sp</i>		✓		✓	✓			

	Common name	Scientific name	April							
			16	17	18	19	20	21	22	23
11	Oil Beetle	<i>Meloe proscarabaeus</i>			✓		✓			
12	Bloody-nosed Beetle	<i>Timarcha tenebricosa</i>						✓		
13	Knotgrass (or Mint) Leaf Beetle	<i>Chrysolina (polita)</i>		?						
14	a Dung Beetle	<i>Scarabaeus semipunctata</i>				✓				
15	Giant Centipede	<i>Scolopendra cingulatus</i>							✓	
16	a Millipede sp						✓			
17	Scorpion	<i>Euscopius flavicaudis</i>		□	?		✓			
18	Scorpion	<i>Buthus occitanicus</i>			?					
19	European Wolf Spider	<i>Lycosa tarantula</i>				✓	✓	✓		
20	European Stick Insect	<i>Bacillus rossius</i>		✓						
21	St Mark's Fly	<i>Bibio marci</i>			✓	✓				



Swallowtail



Ophrys argolica subsp. *biscutella*