

# Wild Flowers of Italy's Gargano Peninsula

Naturetrek Tour Report

9 - 16 April 2012



The Gargano Early Spider Ophrys  
*Ophrys spegodes* ssp *garganica*



male Italian Wall Lizard



The Milky Orchid *Orchis lactea*



Bosca di Spinapulci by Wendy Allen

Report compiled by Andrew Cleave MBE  
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## Summary

We enjoyed a week of mostly sunny weather, with only one or two spells of heavy rain and thick fog on the hills, but we also had plenty of sunshine to encourage butterflies out on to the wing and enable us to get some good photographs. The orchids, as always were the stars of the week's botanising, with almost 40 species found, but we had plenty of opportunities to study some of the other rich flora of the region, with some spectacular displays of Wild Tulips, Poet's Narcissi, Anemones, Cyclamens, Giant Fennel and Crown Daisies, plus many more Mediterranean species including some endemics, and a number of British rarities. Butterflies on the wing during week included some showy Scarce Swallowtails and Cleopatras, and there were many good sightings of Italian Wall Lizards, the males being especially conspicuous with their green head markings. For the bird-watchers there were good opportunities to see some of the typical warblers of the area with Sub-alpine and Sardinian Warblers putting on a good show at times. In most wooded areas we could hear Nightingales singing, and on our final day on the coast we had excellent close views of a number of waders, egrets and gulls, including some nicely-coloured Slender-billed Gulls.

## Day 1

Monday 9th April

Weather: A cloudy sky, with showers. Very cold on arrival

We arrived in Bari at about 21 00 hrs after our evening flight from Gatwick and soon collected our luggage and assembled outside the arrivals hall. Andrew completed the formalities for collecting the mini-bus which was parked about 250m away so we were able to load up and head off on the two hour journey to Monte Sant'Angelo. Road works meant that we had to follow the coastal route to the hotel, rather than the Autoroute, but this alternative route took us along mostly deserted minor roads. On arrival at the Palace Hotel, despite the late hour, the night staff were waiting for us with a lovely meal and some drinks, and were very helpful in sorting out our rooms.

## Day 2

Tuesday 10th April

Weather: A sunny day, but with a cool breeze. Snow on the distant hills. 17°C

We all met again at breakfast and then Andrew did some shopping for lunch ingredients at the local supermarket, so we were ready for the day at about 09 15. Our first taste of the Gargano flora was at the side of the road, only a few minutes drive from the hotel, along the narrow road leading to the nearby Pulsano Monastery.

Even before getting out of the mini-bus, a few small orchids could be seen, including the tiny form of the Yellow Bee Orchid, *Ophrys sicula*, and the endemic *Ophrys garganica*. Picking our way carefully over the short turf, many more orchid species were found, growing amongst the bright yellow flowers of Alyssum *Alyssum saxatile* and Horseshoe Vetch *Hippocrepis comosa*. The most striking orchid on show was the Pink Butterfly Orchid *Orchis papilionaceae*, and scattered around were many spikes of the Green-veined Orchid *Orchis morio*. We were also able to find a few of the hybrids between these two species.

Further up the slope the prickly cushions of the Spiny Spurge *Euphorbia acanthocamnos* caught our attention and they turned out to be delicately scented. More of the variants of the Early Spider Orchid *Ophrys sphegodes* were found on the higher slopes and there were plenty of opportunities for photography. Moving further along the road, we parked beside a little copse of Hornbeams and checked the slopes leading up to a radio mast. Here we added some fine Milky Orchids *Orchis lactea* to the list as well as more *Ophrys* species and a few Man Orchids *Orchis anthropophorum*. This was a good spot for our first picnic lunch and we were able to sample many of the local cheeses, prosciutto, salami, the delicious tomatoes, fennel and peppers and some local wines from the Puglia region.

We then drove further along the road to the Monastery, admiring the fields of Asphodel and the blossom on the Almond-leaved Pear *Pyrus amygdaliformis* trees along the way. The walls of the monastery supported some interesting species, including Henbane, *Hyoscyamus niger* and we found the endemic Pale Goldendrops *Onosma lucana* in its usual site on the edge of the gorge. The three species of Asphodel all grow in the same spot here, and we also found Ground Pine *Ajuga chamaepitys* amongst the rocks. A walk down the wide track behind the monastery led us to a fine colony of Bumble-bee Orchids *Ophrys bombyliflora* and some newly-opened Late Spider Orchids *Ophrys fuciflora*. A Blue Rock-thrush sang from a distant rock and a Sub-alpine Warbler scolded from cover very close to the path. After a very busy day we returned to the hotel and discussed our finds and the plans for the next day before a very pleasant evening meal.

## Day 3

Wednesday 11th April

Weather: Cloudy, but with some sunny spells and light showers. 17°C

After Andrew had collected the provisions for lunch we loaded up and took the road out of town towards San Giovanni Rotondo. Our first stop of the day was in the valley below where we looked in the cultivated fields alongside the road. This area was an unlikely habitat for the Wild Tulip *Tulipa sylvestris* and thousands of bright yellow blooms were spotted growing amongst the cereal crops. A few spikes of Wild Gladiolus *Gladiolus italicus* were also noted and on the stony margins Cotswold Pennycress *Thlaspi perfoliata* was flowering, and there were the remains of Winter Aconite *Eranthis hyemalis* as well. The next roadside stop, a few miles further on, enabled us to find more of the open habitat *Ophrys* species, including more of the very confusing Early Spider Orchid *Ophrys sphegodes* group. Lovely displays of Irises *Iris pseudopumila* caught our eye as we pulled up, and a short walk towards a little copse revealed some of the endemic Violas *Viola heterophylla* ssp. *graeca*. Driving on a short distance towards the forest enabled us to find a stand of the beautiful wild Peony *Paeonia mascula* in perfect condition on a lightly wooded bank. The winding, single-track road into the forest gradually turned into a stony track with steep banks lined with ferns, but we did find a place to stop where we had a close look at the narcissi – *Narcissus poeticus* and *N. tazetta*.

We stopped for a picnic in a lovely clearing in the woods where picnic tables and litter bins had been provided, and the only sounds were cow bells and bird song. After our picnic lunch we set off to walk through the forest towards the Piscina Pantolfe. Firecrests were calling from the ivy-covered trees, and there were distant calls of Cuckoo and Green Woodpecker. We wandered through the forest and came to a stony hillside where *Iris lutescens* was flowering in profusion and other sun-loving species were found amongst the rocks, including two crocus species and plenty of the Yellow Gagea *Gagea (lutea)*. A single dried-up seed head of the Bird's-nest Orchid was spotted alongside the track, but more eye-catching was the abundance of the Coral-root Bittercress *Cardamine bulbifera* and the curious Bird-in-a-bush *Corydalis solida*.

On returning to the vehicle we drove slowly out of the forest, stopping to photograph the Narcissi at one spot where they were particularly showy, and then stopping for another look at the Wild Tulips in lovely afternoon sunlight. The local cattle were being rounded up as we did this and we had a chance to admire the skill of the farmers and their dogs as they made rather noisy progress past the mini-bus. We discussed our finds before the evening meal and then made plans for the next day.

## Day 4

Thursday 12th April

Weather: Sunny all day, but cooler in the evening. 20°C

Our plan for Thursday was to visit the well-known botanical site of Monte Sacro, and as it was a lovely sunny day we made an early start to make best use of the light, and stop at the shops for lunch provisions on the way. The route to Mattinata involves a long drive down a road made up of continuous hairpin bends, but with lovely views of the Gargano landscape and the coast. We were able to pull off the road at one point to admire the Mallow-leaved Bindweed *Convolvulus althaeoides* which was flowering profusely on a sunny verge. We also spotted some men working on the olive trees on the terraced hillside below us and photographed the horse ploughing the ground beneath the trees.

Mattinata is by-passed with tunnels, underpasses and roundabouts, before another very steep road with more hairpin bends ends at the starting point for a walk up Monte Sacro – a very well-known stony hill with a rich and fascinating flora. A well-trodden path leads to the summit of the hill, but there is so much to see on the way that we only made it as far as the start of the pine forest. A new species for the list was the Four-spotted Orchid *Orchis quadripunctata*, and in addition there were a few very photogenic Spectacled Orchids *Ophrys biscutella*. A few more Man Orchids *Orchis anthropobora* were seen amongst the rocks. 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.

We had our picnic back at the road and discussed orchids with two Dutch photographers who, it turned out, were following a Naturetrek itinerary from a previous trip almost word for word - we were to see them several more times after this! After driving back around Mattinata we stopped at the start of the track to Monte Saraceno, an impressive limestone outcrop and historical site overlooking the sea. Our walk along the track produced three species of Cistus (*C. salvifolius*, *creticus* and *monspeliensis*) growing in close proximity which made for easy identification, although the Pink Cistus was not in flower here. More orchids, including *Ophrys melena* and *Ophrys fusca* were found along the track, and there were some good butterfly sightings, including the Scarce Swallowtail and Baton Blue.

The dozens of chambered tombs, 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*.

We returned to the hotel in plenty of time to enjoy the views of the Gulf of Manfredonia below the town, do some more sight-seeing in the maze of streets, and enjoy some drinks, before our evening get-together.

## Day 5

Friday 13th April

Weather: Foggy and wet for most of day, heavy rain later. 9°C

Impenetrable fog awaited us at breakfast time so we decided to delay our departure from the hotel, in the hope that it might lift. This gave us the opportunity to have a further look around the town and visit some more of the interesting historical sites. Andrew's shopping trip took a little longer due to the dense fog in the town, but we decided to head for the forests at a lower altitude and took the road out of town below the castle.

We eventually descended below the cloud line and arrived in the Bosco Quarto where we stopped at a picnic site. A Nightingale sang to us from the bramble patch beside the minibus, and we wandered along a quiet forest track admiring the colourful displays of *Anemone appenina*, *Narcissus poeticus* and *Euphorbia amygdaloides*. A few Roman Orchids *Dactylorhiza romana* were found here, and Brittle Bladder-fern *Cystopteris fragilis* was spotted on a bank. After our rather damp picnic, we drove further on through the forest, stopping to admire the goats and cattle being herded along the roadsides and also finding some splendid displays of Roman Orchids in the fields.

Our last stop of the day was near an isolated and decidedly closed restaurant where we wandered around some gardens and un-inhabited houses looking for more orchids in the clearings. We found plenty of Roman Orchids here, plus one or two Elder-flowered Orchids *Dactylorhiza sambucina* and plenty of leaves and tight buds of the Common Spotted Orchid *Dactylorhiza fuchsii*. Here it was apparent that any form of management had ceased a few years previously and the scrub was advancing rapidly to the obvious disadvantage of the ground flora. One of the trees spreading freely in this area was the Wild Service Tree *Sorbus torminalis*. By this stage we were all feeling rather damp so we returned to the hotel in time for cups of tea and a change of clothes.

## Day 6

Saturday 14th April

Weather: A rather cloudy day with some drizzle, turning to heavy rain after dark. 12°C

We packed up and left the Palace Hotel this morning after a little more sight-seeing in the town and drove into the Foresta Umbra, the "shady forest" which is composed largely of dense groves of beech and hornbeam. We stopped on the journey 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 Italian Man Orchids *Orchis italica* and still more of the various 'Bee' orchids, including the endemic *Ophrys promontorii*. We stopped at a roadside picnic spot which gave the opportunity for a walk through the forest where there were many luxuriant ferns, and the rare British lichen, Tree Lungwort *Lobaria pulmonaria* on the trunks of trees along the path. Various garlic-scented species were encountered here, including the British native, Ramsons *Allium ursinum*. At a little woodland lake a terrapin and large numbers of tadpoles were seen, although birds were rather scarce.

After lunch we continued through the forest, spotting some Fallow Deer in an enclosure, and then at a convenient lay-by we stopped to admire a lovely display of the 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*.

Having left the forest, we arrived at the drier coastal plains, driving through Olive and Citrus groves before we stopped at the aptly-named "Fly-tip Stop" where we found many more *Ophrys* and *Serapias* species, and were joined once again by the Dutch botanists. We finally followed the increasingly winding road to reach the scenic fishing harbour of Peschici where we checked in to the Hotel Elisa, which is very close to the beach. After the usual formalities most of the group explored the town and harbour, enjoying the wonderful views, despite the rather stormy weather.

Our evening meal was a splendid selection of the local seafood, freshly prepared by the proprietor, and we all enjoyed the chance to sit in comfort by a crackling log fire to discuss the day's finds.

## Day 7

Sunday 15th April

Weather: Sunny for most of the day, with some high cloud and light rain later. 15°C

As it was Sunday there was no chance to go shopping so we made an earlier start and drove west out of Peschici, along more steep and twisting roads, stopping at one point to look down over the cliffs at the Trabucco – the complicated arrangement of nets and poles used to catch fish from the rocks. We eventually reached a highway, which enabled us to get speedily to the west of the peninsula. Here we headed inland to explore the Bosco de Spinapulci - "Forest of the Spiny Flea", a high limestone plateau with forests and meadows, but few settlements.

Before climbing up on the plateau we stopped for a while on a farm lane where the elegant purple Mullein *Verbascum phoenicium*, was flowering, and close by we found Honeywort *Cerintbe major* and wild Asparagus, the plant which we had noted on sale on the roadsides on our journey. A Pyramidal Orchid *Anacamptis pyramidalis* was just starting to open up, and yet more of the *Ophrys sphogodes* group were found along the lane. Sub-alpine Warblers were very vocal in the scrub alongside the road and a few Swifts were noted overhead. Further on we stopped in a disused quarry where more of the Spring Cyclamen was in flower, and the two new orchid species noted were the Small-patterned *Ophrys parvimaclata* and the Provence Orchid *Orchis provincialis*. Various prickly shrubs hampered us here, especially the aptly named Christ's Thorn *Paliurus spina-christi*.

We then drove up onto the limestone plateau on a very rough track where a lovely picnic spot overlooking the wooded valleys on either side was a good vantage point for exploring this area. More orchids, and the curious Birthwort *Aristolochia rotunda* were found in the woods, and more Cyclamens here were flowering prolifically and scenting the air. A perfect Sawfly Orchid *Ophrys tenthredinifera* provided a good photo opportunity at the picnic site.

After lunch, during which a Sub-alpine Warbler displayed to us, and another walk through the woods, we returned to the main highway and made our way back to Peschici. Our final stop of the day was in an olive grove on the steep hill where a magnificent stand of Lady Orchids *Orchis purpurea* proved to be very photogenic. Another lovely seafood supper followed and the log fire was just as welcoming.

## Day 8

Monday 16th April

Weather: Mostly grey and cloudy, with a strong breeze on the coast. 16°C

This morning we had to pack up and leave, as this was our final day in Gargano, but as our flight was late in the evening there was no need to rush. A brief walk along the shore produced sightings of Common Sandpiper and Yellow-legged Gulls, with a Sardinian Warbler spotted near the hotel. Our route took us east towards Vieste and we drove through extensive olive groves and a patchwork of small fields. A Hoopoe flew across the road in front of us at one point and we also spotted Buzzards and Kestrels close by.

We continued following signs to Mattinata and took a road over the top of the limestone hills, stopping at one point to admire the extensive stands of the fragrant shrub *Daphne sericea* which grew at the higher altitudes. Eventually we came to a familiar stretch of road at Mattinata, passing the turning to Monte Sacro, before finally arriving, via tunnels, by-passes and roundabouts at the low-lying coastal strip with reed beds and salt pans, and extensive market gardens. A rather confusing road diversion around some road works led us along roadsides colourful with Giant Fennel and Crown Daisies and a number of Lesser Kestrels were seen on the wires. We stopped close to the sea for our picnic at some abandoned salt pans where there was some excellent bird-watching. Greater Flamingoes, Great and Little Egrets, Slender-billed Gulls and numerous waders, including Ruff, Avocet, Black-winged Stilts, Kentish Plovers and Marsh Sandpipers were easily seen, and passerines included Crested Lark, Black-headed Wagtail and Fan-tailed Warbler (*Zitting Cisticola*).

A coffee stop in Zaponetta proved to be very entertaining and then we pulled in at another salt-pan area where we were treated to excellent views of more wetland birds without having to leave the mini-bus. We finally had to leave for the airport and arrived at Bari in plenty of time for a meal and a final check of the bags before Andrew said farewell to the group and prepared to meet the second group and start the trip again.

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## Species List

### Plants

<i>Scientific name</i>	Common name	Habitat/location/most frequent site
<b>PTERIDOPHYTES</b>		
<b>FERNS AND ALLIES</b>		
<i>Selaginella denticulata</i>	Mediterranean Clubmoss	Damp rocks, Monte Sacro,
<i>Adiantum capillus-veneris</i>	Maidenhair Fern	Ancient tombs, Monte Saraceno
<i>Asplenium adiantum-nigrum</i>	Black Spleenwort	Shaded rocks and damp walls, common
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	Rocks and walls, Bosco Quarto
<i>Ceterach officinarum</i>	Rustyback Fern	Rocks and walls, common
<i>Phyllitis scolopendrium</i>	Hart's-tongue Fern	Foresta Umbra
<i>Pteridium aquilinum</i>	Bracken	Roadsides, hedgerows, Foresta Umbra
<i>Dryopteris dilatata</i>	Broad-buckler Fern	Foresta Umbra
<i>Polystichum setiferum</i>	Soft Shield Fern	Foresta Umbra, common on walls
<i>Polypodium vulgare</i>	Polypody	Scarce on shady rocks, Bosco Quarto
<i>Cystopteris fragilis</i>	Brittle Bladder Fern	Scarce, shady banks, Bosco Quarto
<b>PINOPSIDA</b>		
<b>GYMNOSPERMS</b>		
<b>CONIFERS</b>		
<i>Cupressus sempervirens</i>	Italian Cypress	Roadsides, towns, gardens, Pulsano
<i>Juniperus oxycedrus</i>	Prickly Juniper	Rocky hillsides, scattered throughout
<i>Pinus halapensis</i>	Aleppo Pine	Cliffs, rocky slopes, Monte Saraceno
<i>Pinus pinea</i>	Stone Pine	Lowland areas nr Mattinata, etc
<i>Taxus baccata</i>	Yew	Foresta Umbra, scattered
<b>ANGIOSPERMS</b>		
<b>FLOWERING PLANTS</b>		
<b>Acanthaceae</b>		
<i>Acanthus mollis</i>	<b>Bear's-breech Family</b> Bear's-breech	Monte Sant'Angelo
<b>Aceraceae</b>		
<i>Acer platanoides</i>	<b>Maple Family</b> Norway Maple	Bosco Quarto
<i>Acer pseudoplatanus</i>	Sycamore	Forests and roadsides,
<i>Acer obtusatum</i>	Bosnian Maple	Monte Sacro, stony hillside, scarce
<i>Acer opalus</i>	Italian Maple	Bosco Quarto, scattered sites
<b>Aizoaceae</b>		
<i>Carpobrotus acinaciformis</i>	<b>Dew-plant Family</b> Red Hottentot Fig	Walls nr Monte Sant'Angelo, Pulsano
<b>Anacardiaceae</b>		
<i>Pistachia lentiscus</i>	<b>Sumach Family</b> Mastic Tree	Stony hillsides, common
<i>Pistacia terebrinthus</i>	Turpentine Tree	Stony hillsides and scrub, common
<b>Apiaceae (Umbelliferae)</b>		
<i>Conium maculatum</i>	<b>Carrot Family</b> Hemlock	Roadsides
<i>Cribrum maritimum</i>	Rock Samphire	Peschici Harbour and rocks
<i>Daucus carota</i>	Wild Carrot	Roadsides, rocky slopes
<i>Eryngium campestre</i>	Field Eryngo	Stony hillsides, leaves only
<i>Ferula communis</i>	Giant Fennel	Roadsides, common nr coast
<i>Laserpitium latifolium</i>	Broad-leaved Sermountain	Bosco Quarto, leaves only
<i>Orlaya grandiflora</i>	Orlaya	Roadsides, stony areas, common



<i>Sanicula europaea</i>	Sanicle	Foresta Umbra, scarce
<i>Scandix pecten-veneris</i>	Shepherd's Needle	Stony hillsides, field margins, common
<i>Smyrniium rotundifolium</i>	Perfoliate Alexanders	Monte Sacro, Peschici
<i>Thapsia garganica</i>	Thapsia	Open hillsides, leaves only
<i>Tordylium apulum</i>	Tordylium	Stony ground, widespread
<i>Torilis arvensis</i>	Spreading Hedge Parsley	Monte Sant'Angelo
<b>Apocynaceae</b>	<b>Periwinkle Family</b>	
<i>Nerium oleander</i>	Oleander (leaves only)	Monte Saraceno, Pulsano monastery
<i>Vinca major</i>	Periwinkle	Roadsides, shrubby areas, nr Peschici
<b>Araliaceae</b>	<b>Ivy Family</b>	
<i>Hedera helix</i>	Ivy	Monte Sacro, Foresta Umbra
<b>Aquifoliaceae</b>	<b>Holly Family</b>	
<i>Ilex aquifolium</i>	Holly	Bosco Quarto, Foresta Umbra
<b>Aristolochiaceae</b>	<b>Birthwort Family</b>	
<i>Aristolochia rotunda</i>	Birthwort	Bosco de Spinapulci, very common,
<b>Asclepiadaceae</b>	<b>Milkweed Family</b>	
<i>Vincetoxicum hirundinaria</i>	Swallow-wort	Roadsides, tracks, quarries, leaves only
<b>Asteraceae (Compositae)</b>	<b>Daisy Family</b>	
<i>Andryala integrifolia</i>	Andryala	Roadsides, tracks, fields, leaves only
<i>Artemisia absinthium</i>	Wormwood	Roadsides, foliage only
<i>Bellis perennis</i>	Daisy	Short grassland, tracks, very common
<i>Bellis sylvestris</i>	Southern Daisy	Grassland, woodland rides, common
<i>Calendula arvensis</i>	Field Marigold	Cultivated areas, common
<i>Carduus chrysacanthus</i>	Apennine Thistle	Stony hillsides, foliage only
<i>Centaurea cyanus</i>	Perennial Cornflower	Bosco Quarto, scarce
<i>Cirsium eriophorum</i>	Woolly Thistle	Stony hillsides, leaves only
<i>Crepis rubra</i>	Pink Hawksbeard	Stony hillsides, open areas, common
<i>Crupina crupinastrum</i>	Crupina	Open, rocky areas, mostly foliage
<i>Dittrichia viscosa</i>	Woody Fleabane	Bosco Quarto, foliage only
<i>Doronicum columnae</i>	Heart-leaved Leopard's-bane	Woodlands, common in damper areas
<i>Doronicum plantagineum</i>	Leopard's-bane	Bosco Quarto, frequent
<i>Evax pygmaea</i>	Evax	Open, stony areas, damp patches
<i>Galactites tomentosa</i>	Galactites	Widespread, open areas
<i>Glebionis coronarium</i>	Crown Daisy	Monte Sant'Angelo
<i>Chrysanthemum segetum</i>	Corn Marigold	Roadsides, cultivated areas, frequent
<i>Helichrysum stoechas</i>	Curry Plant	Cistus scrub, hillsides, olive groves
<i>Hyoseris radiata</i>	A 'dandelion'	Widespread, cultivated and waste areas
<i>Inula verbascifolia</i>	Mullein-leaved Spikenard	Cistus scrub areas, foliage only
<i>Pallenis spinosa</i>	Pallenis	Monte Sant'Angelo, Monte Sacro
<i>Scorzonera villosa</i>	Hairy Viper's-grass	Roadsides, verges
<i>Silybum marianum</i>	Milk Thistle	Roadsides, verges, dry areas
<i>Sonchus asper</i>	Prickly Sow-thistle	Roadsides, waste ground
<i>Tragopogon hybridum</i>	A Goat's-beard	Roadsides
<i>Tragopogon sinuata</i>	A Goat's-beard	Roadsides
<i>Urospermum dalechampii</i>	Urospermum	Open, sunny areas, stony ground
<i>Xanthium strumarium</i>	Spiny Cocklebur	Coastal saltpans, beaches
<b>Betulaceae</b>	<b>Birch Family</b>	
<i>Corylus avellana</i>	Hazel	Foresta Umbra, Bosco Quarto

<i>Carpinus orientalis</i>	Hornbeam	Foresta Umbra, Bosco Quarto
<i>Ostrya carpinifolia</i>	Hop Hornbeam	Monte Sant'Angelo
<b>Boraginaceae</b>	<b>Forget-me-not Family</b>	
<i>Alkanna lehmannii</i>	Dyer's Alkanet	Monte Sant'Angelo
<i>Anchusa cretica</i>	blue-flowered' Anchusa	meadows nr Piscina Pantolfe
<i>Borago officinalis</i>	Borage	Sunny, open areas, common
<i>Lithospermum purpureocaerulea</i>	Purple Gromwell	Stony hillsides, widespread,
<i>Cerintho major</i>	Honeywort	Roadside stop, day 7
<i>Echium italicum</i>	Pale Bugloss	Roadside stop, day 7
<i>Echium plantagineum</i>	Purple Viper's Bugloss	Stony hillsides, roadside verges
<i>Echium vulgare</i>	Viper's Bugloss	Roadsides, verges, stony slopes
<i>Myosotis arvensis</i>	Field Forget-me-not	Bosco Quarto
<i>Myosotis discolor</i>	Changing Forget-me-not	Bosco Quarto
<i>Myosotis ramossissima</i>	(Small) Forget-me-not	Monte Sant'Angelo
<i>Myosotis sylvatica</i>	Wood Forget-me-not	Bosco Quarto, Foresta Umbra
<i>Onosma lucana</i>	Pale Goldendrops	Pulsano Monastery. <i>Endemic</i>
<i>Pulmonaria montana</i>	Mountain Lungwort	Foresta Umbra
<i>Pulmonaria officinalis</i>	Common Lungwort	Bosco Quarto, Foresta Umbra
<b>Brassicaceae (Cruciferae)</b>	<b>Cabbage Family</b>	
<i>Cardamine bulbifera</i>	Coralroot Bittercress	Bosco Quarto, Foresta Umbra
<i>Cardamine plumieri</i>	Ivy-leaved Bittercress	Foresta Umbra, Bosco Quarto
<i>Aethionema saxatile</i>	Burnt Candytuft	Hillsides near Monte Sant'Angelo
<i>Arabis verna</i>	Spring Rock Cress	Monte Sacro, Monte Sant'Angelo
<i>Biscutella didyma</i>	Biscutella	Monte Sacro, stony hillsides, Pulsano
<i>Arabis caucasica</i>	Garden Rockcress	Monte Sant'Angelo
<i>Arabis turrita</i>	Tower Mustard	Monte Sant'Angelo
<i>Aubrieta columnae</i>	Aubrieta	Monte Sant'Angelo, walls and steps
<i>Alyssoides sinuata</i>	Alyssoides	Pulsano Monastery, on walls
<i>Sisymbrium officinale</i>	Hedge Mustard	Roadsides
<i>Capsella bursa-pastoris</i>	Sherpherd's Purse	Roadsides, bare ground, common
<i>Isatis tinctoria</i>	Woad	Roadsides, common
<i>Raphanes raphanistrum</i>	Wild Radish	Roadsides, cultivated areas
<i>Lepidium draba</i>	Hoary Cress	Roadsides, tracks, Pulsano monastery
<i>Alliaria petiolata</i>	Garlic Mustard	Roadsides, verges, Bosco Quarto
<i>Bunias erucago</i>	Warty Cabbage	Scarce, stony ground, Pulsano
<i>Alyssum saxatile</i>	Yellow Alyssum	Stony hillsides, very common
<i>Thlaspi (perfoliata)</i>	(Cotswold) Penny-cress	Tulip field nr Monte Sant'Angelo
<b>Cactaceae</b>	<b>Cactus Family</b>	
<i>Opuntia ficus-indica</i>	Prickly Pear Cactus	Gardens, Monte San Angelo, Peschici
<b>Campanulaceae</b>	<b>Bellflower Family</b>	
<i>Campanula garganica</i>	Gargano Bellflower	Pulsano, Castle walls, Monte
<i>Campanula erinus</i>	Bellflower	Sant'Angelo Rocky areas, scarce, leaves only
<b>Caprifoliaceae</b>	<b>Honeysuckle Family</b>	
<i>Lonicera etrusca</i>	Etruscan Honeysuckle	Hedgerows, scarce
<i>Lonicera perichlymenum</i>	Honeysuckle	Hedgerows, woods, common
<i>Sambucus ebulus</i>	Dwarf Elder, Danewort	Stony ground, Pulsano, leaves only
<i>Sambucus nigra</i>	Elder	Widespread, hedgerows, field margins

**Caryophyllaceae**

*Cerastium fontanum*  
*Cerastium glomeratum*  
*Minuartia (trinerva?)*  
*Silene conica*  
*Silene gallica*  
*Silene italica*  
*Silene latifolia*  
*Silene vulgaris*  
*Stellaria media*  
*Stellaria nemorum*

**Celastraceae**

*Euonymus europaeus*

**Cistaceae**

*Cistus creticus*  
*Cistus monspeliensis*  
*Cistus salvifolius*  
*Helianthemum apenninum*  
*Helianthemum oelandicum ssp canum*  
*Helianthemum nummulariam*

**Convolvulaceae**

*Calystegia sepium*  
*Convolvulus althaeoides*  
*C. althaeoides ssp tenuissimus*

**Crassulaceae**

*Sedum album*  
*Sedum sp*  
*Umbilicus rupestris*

**Cucurbitaceae**

*Ecballium elaterium*

**Dipsacaceae**

*Dipsacus fullonum*

**Ericaceae**

*Arbutus unedo*  
*Erica arborea*

**Euphorbiaceae**

*Euphorbia amygdaloides*  
*Euphorbia bi-umbellata*  
*E. characias ssp characias*  
*Euphorbia helioscopia*  
*Euphorbia myrsinites*  
*Euphorbia spinosa*  
*E. acanthocamnos*

**Fabaceae (Leguminosae)**

*Anagyris foetida*  
*Anthyllis tetraphylla*

**Pink Family**

Common Mouse-ear  
Roadsides, waste ground  
 Sticky Mouse-ear  
Roadsides, waste ground  
 A Sandwort sp  
Bosco Quarto, quarry stop Day 7  
 Sand Catchfly  
Monte Sant'Angelo  
 Small-flowered Catchfly  
Peschici  
 Italian Catchfly  
Stony areas, common, Monte Saraceno  
 White Campion  
Roadsides, cultivated areas, hedgerows  
 Bladder Campion  
Roadsides  
 Common Chickweed  
Bosco Quarto  
 Wood Stitchwort  
Foresta Umbra, Bosco Quarto

**Spindle Family**

Spindle  
Roadsides, Foresta Umbra

**Rock-rose Family**

Pink Cistus  
Monte Sacro, roadsides nr Peschici  
 Narrow-leaved Cistus  
Monte Saraceno  
 Sage-leaved Cistus  
Monte Saraceno  
 White Rock-rose  
Monte Sant'Angelo  
 Hoary Rock-rose  
Monte Sant'Angelo  
 Rock-rose  
Monte Sant'Angelo

**Bindweed Family**

Hedge Bindweed  
Roadsides, hedgerows  
 Mallow-leaved Bindweed  
Roadsides, stony ground, common  
 Mallow-leaved Bindweed sp  
Roadsides, stony ground

**Stonecrop family**

White Stonecrop  
Stony ground, widespread,  
 A stonecrop (not flowering)  
Pulsano monastery  
 Wall Pennywort  
Damp walls, Monte Sant'Angelo

**Cucumber family**

Squirting Cucumber  
Coastal saltpans, beaches

**Teasel Family**

Teasel  
Roadsides, waste ground

**Heather Family**

Srawberry Tree  
Peschici, Mattinata  
 Tree Heather  
Monte Sacro area

**Spurge Family**

Wood Spurge  
Bosco Quarto, Foresta Umbra  
 Whorled Spurge  
Pulsano Monastery  
 Mediterranean Spurge  
Sunny open areas, stony ground  
 Sun Spurge  
Waste ground, common  
 Broad-leaved Glaucous Spurge  
Monte Sant'Angelo, Bosco Quarto  
 Spiny Dwarf Spurge  
Monte Sant'Angelo  
 Spiny Spurge

**Pea Family**

Bean Trefoil  
Roadside stop and quarry, day 7,  
 Bladder Vetch  
Roadsides

<i>Anthyllis vulneraria ssp praepropera</i>	Kidney Vetch (pink form)	Open, areas, stony ground, common
<i>Astragalus monspessulanus</i>	False Vetch	Monte Sant'Angelo
<i>Calycotome infesta</i>	Spiny Broom	Monte Sacro
<i>Ceratonia siliqua</i>	Carob	Gardens, Monte Sant'Angelo, Peschici
<i>Cercis siliquastrum</i>	Judas Tree	Monte Sant'Angelo
<i>Coronilla scorpioides</i>	Annual Scorpion Vetch	Pulsano Monastery
<i>Cytisus decumbens ssp elatior</i>	Prostrate Broom	Monte Sant'Angelo
<i>Cytisus villosus</i>	Broom sp	Bosco Quarto
<i>Hedysarum coronarium</i>	Italian Sainfoin	Monte Sant'Angelo, Pulsano monastery
<i>Hippocrepis glauca</i>	Horseshoe Vetch sp	Monte Sant'Angelo
<i>Hippocrepis unisiliquosa</i>	Horseshoe Vetch sp	Monte Sant'Angelo
<i>Hymenocarpus circinnatus</i>	Disk Trefoil	Peschici viewpoint
<i>Lathyrus aphaca</i>	Yellow Vetchling	Peschici, Fly-tip stop area
<i>Lathyrus cicera</i>	Vetchling sp	Fly-tip stop
<i>Lathyrus chymenum</i>	Vetchling sp	Roadsides
<i>Lathyrus setifolius</i>	Red Grass Vetchling	Monte Saraceno
<i>Lathyrus (verna)</i>	Spring Pea	Bosco Quarto, leaves and buds only
<i>Lotus edulis</i>	Edible Lotus	Roadsides
<i>Lupinus micranthus</i>	Hairy Lupin	Monte Sacro, Peschici
<i>Medicago arabica</i>	Spotted Medick	Monte Sant'Angelo
<i>Medicago marina</i>	Sea Medick	Coastal saltpans, sand dunes
<i>Medicago rigidula</i>	Medick sp	Roadsides
<i>Melilotus indicus</i>	Small Mellilot	Pulsano Monastery
<i>Onobrychis aequidentata</i>	Sainfoin sp	Pulsano Monastery
<i>Onobrychis saxatilis</i>	Rock Sainfoin	Monte Sant'Angelo
<i>Pisum sativum ssp elatior</i>	Cultivated Pea	Roadsides
<i>Psoralea bituminosa</i>	Pitch Trefoil	Pulsano Monastery, roadsides
<i>Robinia pseudacacia</i>	False Acacia	Roadsides, towns
<i>Scorpiurus muricatus</i>	Scorpiurus	Roadside stops, quarry stop, Day 7
<i>Sc. vermiculatus</i>		Roadsides
<i>Spartium junceum</i>	Spanish Broom	Common, stony open areas
<i>Tetragonolobus purpureus</i>	Winged or Asparagus Pea	Peschici, Fly-tip stop area
<i>Trifolium campestre</i>	Hop Trefoil	Roadsides, stony ground
<i>Trifolium hirtum</i>	Hairy Trefoil	Bosco Quarto, roadsides and tracks
<i>Trifolium repens</i>	White Clover	Cultivated areas, common
<i>Trifolium resupinatum</i>	Reversed Clover	Fly-tip stop
<i>Trifolium stellatum</i>	Starry Clover	Monte Sant'Angelo
<i>Trifolium tomentosum</i>	Woolly Trefoil	Monte Sant'Angelo, coastal areas,
<i>Vicia bithynica</i>	Bithynian Vetch	Monte Sant'Angelo
<i>Vicia cracca</i>	Tufted Vetch	Fly-tip stop, tulip field margins
<i>Vicia hirsuta</i>	Hairy Tare	Bosco Quarto roadsides
<i>Vicia hybrida</i>	Yellow Vetch sp	Pulsano Monastery
<i>Vicia lutea</i>	Yellow Vetch	Monte Sacro
<i>Vicia melanops</i>	Black Vetch	Roadsides, hedgerows
<i>Vicia narbonensis</i>	Wild Bean'	Roadsides, hedgerows
<i>Vicia sativa</i>	Common Vetch	Roadsides, hedgerows
<i>Vicia villosa</i>	Fodder Vetch	Cultivated areas
<b>Fagaceae</b>	<b>Beech Family</b>	
<i>Castanea sativa</i>	Sweet Chestnut	Bosco Quarto, Foresta Umbra
<i>Fagus sylvatica</i>	Beech	Foresta Umbra, Bosco Quarto
<i>Quercus coccifera</i>	Kermes Oak	Bosco Quarto, open sunny areas
<i>Quercus ilex</i>	Holm Oak	Bosco Quarto
<i>Quercus pubescens</i>	Downy Oak	Monte Sant'Angelo
<i>Quercus cerris</i>	Turkey Oak	Bosco Quarto, common

**Fumariaceae**

*Corydalis solida*  
*Fumaria capreolata*  
*Fumaria (officinalis)*

**Gentianaceae**

*Blackstonia perfoliata*

**Geraniaceae**

*Erodium ciconium*  
*Erodium cicutarium*  
*Erodium malacoides*  
*Geranium columbinum*  
*Geranium dissectum*  
*Geranium lucidum*  
*Geranium molle*  
*Geranium purpureum*  
*Geranium robertianum*  
*Geranium sanguineum*

**Lamiaceae (Labiatae)**

*Ajuga chamaepitys*  
*Ajuga genevensis*  
*Clinopodium acinos*  
*Lamium bifidum*  
*Lamium garganicum*  
*Lamium maculatum*  
*Marrubium vulgare*  
*Origanum vulgare*  
*Prasium majus*  
*Prunella vulgaris*  
*Rosmarinus officinalis*  
*Salvia argentea*  
*Salvia verbenaca*  
*Satureja hortensis*  
*Sideritis syriaca*  
*Stachys cretica*  
*Thymus capitatus*

**Linaceae**

*Linum bienne*  
*Linum narbonense*  
*Linum catharticum*

**Malvaceae**

*Malva sylvestris*

**Moraceae**

*Ficus carica*

**Oleaceae**

*Fraxinus ornus*  
*Fraxinus excelsior*  
*Ligustrum vulgare*

**Fumitory Family**

Bird-in-a-bush  
Tall Ramping Fumitory  
(Common) Fumitory

**Gentian Family**

Yellow Wort (leaves only)

**Crane's-bill Family**

Stork's-bill sp  
Common Stork's-bill  
Mallow-leaved Stork's-bill  
Long-stalked Cranesbill  
Cut-leaved Cranesbill  
Shining Cranesbill  
Dove's-foot Cranesbill  
Little Robin  
Herb Robert  
Bloody Cranesbill

**Deadnettle Family**

Ground Pine  
Blue Bugle  
Basil-thyme  
Deadnettle sp  
Large Red Deadnettle  
Spotted Deadnettle  
White Horehound  
Oregano  
Prasium  
Selfheal  
Rosemary  
Silver Sage  
Wild Clary  
Summer Savory  
Syrian Sideritis  
Mediterranean Woundwort  
Thyme

**Flax Family**

Pale Flax  
Beautiful Flax  
Purging or Fairy Flax

**Mallow Family**

Common Mallow

**Fig Family**

Fig

**Olive Family**

Flowering Ash  
Ash  
Privet

Bosco Quarto -woodland clearings  
Roadsides, hedgerows  
Roadsides, hedgerows

Quarry stop, day 7

Monte Sant'Angelo  
Monte Sant'Angelo  
Monte Sant'Angelo, Pulsano Monastery  
Hedgerows, shady places  
Roadsides, hedgerows  
Bosco Quarto, Foresta Umbra  
Grassy areas, roadsides  
Bosco Quarto, quarry stop day 7  
Roadsides, hedgerows, shady places  
Monte Sacro

Monte Sant'Angelo, Monte Sacro  
Bosco Quarto  
Open, stony areas, rocks, scarce  
Bosco Quarto  
Monte Sant' Angelo, Pilgrim's Path  
Bosco Quarto  
Roadsides, open areas, Monte Saraceno  
Open, stony areas, rocks, sunny places  
Monte Sacro, Monte Saraceno  
Bosco Quarto, Foresta Umbra  
Monte Sant'Angelo, Monte Sacro  
Pulsano Monastery  
Monte Sant'Angelo, Monte Sacro  
Monte Sacro  
Monte Sant'Angelo  
Monte Sant'Angelo  
Widespread, stony areas, sunny slopes

Roadsides, waste places  
Pulsano , roads nr Bosco Quarto  
Monte Sacro, Peschici

Monte Sant'Angelo, roadsides,

Pulsano Monastery, gardens, towns

Roadsides, gardens, cultivated areas  
Foresta Umbra  
Roadsides, scrub

<i>Olea europaea</i>	Olive	Extensively cultivated, esp at Mattinata
<b>Orobanchaceae</b>	<b>Broomrape Family</b>	
<i>Orobanche caryophyllacea</i>	Clove-scented Broomrape	Pulsano Monastery - only just emerging
<i>Orobanche purpurea</i>	Yarrow Broomrape	nr Peschici - spikes just starting to grow
<b>Paeoniaceae</b>	<b>Peony Family</b>	
<i>Paeonia mascula</i>	Wild Peony	Bosco Quarto, Foresta Umbra
<b>Papaveraceae</b>	<b>Poppy Family</b>	
<i>Papaver hybridum</i>	Rough Poppy	Widespread, cultivated areas
<i>Papaver rhoeas</i>	Common Poppy	Widespread, cultivated areas
<b>Plantaginaceae</b>	<b>Plantain Family</b>	
<i>Plantago arenaria</i>	Branched Plantain	Stony ground, hillsides
<i>Plantago lagopus</i>	Hare's-foot Plantain	Bosco Quarto, stony areas, common
<i>Plantago lanceolata</i>	Ribwort Plantain	Roadsides, cultivated areas
<i>Plantago maritima</i>	Sea Plantain	Monte Saraceno, Peschici
<i>Plantago seraria</i>	Med'n Buck's-horn Plantain	Monte Saraceno, Peschici
<b>Plumbaginaceae</b>	<b>Thrift Family</b>	
<i>Limonium (oleifolium)</i>	a Rock Sea-Lavender	Peschici, coastal rocks, leaves only
<b>Polygalaceae</b>	<b>Milkwort Family</b>	
<i>Polygala nicaeensis</i>	Nice Milkwort	Monte Sant'Angelo, Monte Sacro,
<b>Polygonaceae</b>	<b>Knotweed Family</b>	
<i>Rumex acetosa</i>	Common Sorrel	Monte Sacro
<i>Rumex obtusifolius</i>	Broad-leaved Dock	Widespread, roadsides, waste places
<i>Rumex pulcher</i>	Fiddle Dock	Cyclamen stop Foresta Umbra
<b>Primulaceae</b>	<b>Primrose Family</b>	
<i>Anagallis arvensis</i>	Scarlet Pimpernel (blue and red)	Widespread, waste places, roadsides
<i>Cyclamen bederifolium</i>	Ivy-leaved Sowbread	Foresta Umbra, Bosco Quarto - leaves
<i>Cyclamen repandum</i>	Spring Cyclamen	Foresta Umbra, Bosco di Spinapulci
<b>Ranunculaceae</b>	<b>Buttercup Family</b>	
<i>Anemone appenina</i>	Blue Anemone	Foresta Umbra, Bosco Quarto
<i>Anemone hortensis</i>	Mauve' Anemone	Foresta Umbra, Bosco Quarto
<i>Clematis sp</i>	Wild Clematis	Foresta Umbra
<i>Ranunculus arvensis</i>	Corn Buttercup	Widespread, cultivated areas
<i>Ranunculus ficaria</i>	Lesser Celandine	Bosco Quarto
<i>Ranunculus millefoliatus</i>	Fine-leaved' Buttercup	Monte Sant'Angelo, Monte Sacro,
<i>Ranunculus peltatus</i>	Pond Water-crowfoot	Peschici storm drain areas
<i>Ranunculus sceleratus</i>	Celery-leaved Buttercup	Peschici storm drain areas
<i>Ranunculus velutinus</i>	Hairy' Buttercup	Bosco Quarto roadsides and verges
<b>Resedaceae</b>	<b>Mignonette Family</b>	
<i>Reseda alba</i>	White Mignonette	Monte Sant'Angelo
<i>Reseda lutea</i>	Wild Mignonette	Pulsano Monastery
<i>Reseda phyteuma</i>	Corn Mignonette	Pulsano Monastery
<b>Rhamnaceae</b>	<b>Buckthorn Family</b>	
<i>Paliurus spina-christi</i>	Christ's Thorn	Bosco di Spinapulci

<i>Rhamnus alaternus</i>	Mediterranean Buckthorn	Bosco di Spinapulci
<b>Rosaceae</b>	<b>Rose Family</b>	
<i>Aremonia agrimonioides</i>	Bastard Agrimony	Bosco Quarto
<i>Crataegus monogyna</i>	Hawthorn	Widespread, hillsides, scrub
<i>Cydonia oblonga</i>	Quince	Cultivated areas, gardens
<i>Filipendula vulgaris</i>	Dropwort	Monte Sant'Angelo
<i>Fragaria vesca</i>	Wild Strawberry	Bosco Quarto
<i>Geum urbanum</i>	Wood Avens	Foresta Umbra
<i>Malus sylvestris</i>	Crab Apple	Bosco Quarto
<i>Potentilla hirta</i>	Hairy Cinquefoil	Pulsano Monastery
<i>Prunus dulcis</i>	Almond	Cultivated areas, common
<i>Prunus spinosa</i>	Blackthorn	Monte Sacro
<i>Pyracantha coccinea</i>	Firethorn	Monte Sant'Angelo
<i>Pyrus amygdaliformis</i>	Almond-leaved Pear	Pulsano Monastery, nr Peschici
<i>Rosa sp</i>	Wild Rose sp	Pulsano Monastery
<i>Rubus fruticosus agg</i>	Bramble	Widespread, hillsides, scrub
<i>Rubus sanctus</i>	Mediterranean Bramble	Bosco di Spinapulci
<i>Sanguisorba verrucosum</i>	Mediterranean Salad Burnet	Monte Sant'Angelo
<i>Sorbus aucuparia</i>	Mountain Ash/Rowan	Monte Sant'Angelo
<i>Sorbus torminalis</i>	Wild Service Tree	Bosco Quarto, spreading invasively
<b>Rubiaceae</b>	<b>Bedstraw Family</b>	
<i>Asperula arvensis</i>	Blue Woodruff	Bosco Quarto, field margins
<i>Asperula taurina</i>	Southern Woodruff	Foresta Umbra
<i>Cruciata laevipes</i>	Crosswort	Bosco Quarto
<i>Galium aparine</i>	Cleavers	Widespread, waste places
<i>Galium odoratum</i>	Sweet Woodruff	Foresta Umbra
<i>Galium verum</i>	Lady's Bedstraw	Monte Sant'Angelo
<i>Rubia peregrina</i>	Wild Madder	Monte Sacro, Monte Saraceno
<i>Sherardia arvensis</i>	Field Madder	Widespread and frequent, grassy areas
<b>Rutaceae</b>	<b>Rue Family</b>	
<i>Ruta chalapensis</i>	Fringed Rue (leaves only)	Bosco di Spinapulci, Pulsano
<b>Santalaceae</b>	<b>Sandalwood Family</b>	
<i>Osyris alba</i>	Osyris	Pulsano Monastery
<i>Thesium (humifusum?)</i>	Bastard Toadflax	Pulsano Monastery, Bosco Quarto
<b>Saxifragaceae</b>	<b>Saxifrage Family</b>	
<i>Saxifraga bulbifera</i>	Bulbous Saxifrage	Bosco Quarto
<i>Saxifraga granulata</i>	Meadow Saxifrage	Bosco Quarto, Quarry stop
<i>Saxifraga rotundifolia</i>	Round-leaved Saxifrage	Foresta Umbra
<i>Saxifraga tridactylites</i>	Rue-leaved Saxifrage	Monte Sacro, Pulsano Monastery
<b>Scrophulariaceae</b>	<b>Figwort Family</b>	
<i>Antirrhinum siculum</i>	Sicilian Snapdragon	Bosco di Spinapulci
<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax	Pulsano Monastery
<i>Euphrasia agg</i>	Eyebright sp	Monte Sacro
<i>Linaria pelisseriana</i>	Jersey Toadflax	Bosco di Spinapulci
<i>Parentucellia latifolia</i>	Southern Red Bartsia	Bosco di Spinapulci
	Italian or Nettle-leaved	
<i>Scrophularia peregrina</i>	Figwort	Bosco di Spinapulci
<i>Verbascum phoenicium</i>	Purple Mullein	Bosco di Spinapulci, roadside stop

<i>Verbascum thapsus</i>	Aaron's Rod, Yellow Mullein	Roadsides, widespread and common
<i>Veronica hederifolia</i> agg	Ivy-leaved Speedwell	Bosco Quarto
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	Bosco Quarto
<b>Solanaceae</b>	<b>Nightshade family</b>	
<i>Hyoscyamus alba</i>	White Henbane	Pulsano Monastery
<i>Solanum sodomaeum</i>	Apple of Sodom	Peschici viewpoint - foliage only
<b>Thymelaeaceae</b>	<b>Daphne Family</b>	
<i>Daphne laureola</i>	Spurge Laurel	Bosco Quarto, Foresta Umbra
<i>Daphne sericea</i>	an upland Daphne	Foresta Umbra - higher altitudes
<b>Ulmaceae</b>	<b>Elm Family</b>	
<i>Ulmus</i> sp	Elm sp	slopes near Castle, Monte Sant'Angelo
<b>Urticaceae</b>	<b>Nettle Family</b>	
<i>Parietaria judaica</i>	Pellitory-of-the-wall	Pulsano Monastery
<i>Urtica dioica</i>	Stinging Nettle	Roadsides, waste places
<i>Urtica pilulifera</i>	Roman Nettle	Pulsano, Peschici, Monte Saraceno
<b>Valerianaceae</b>	<b>Valerian Family</b>	
<i>Centranthus ruber</i>	Red Valerian	Widespread, walls, roadsides
<i>Centranthus calcitrapa</i>	a Valerian	stony areas, Monte Sacro
<i>Valeriana tuberosa</i>	Valerian - flower buds only	Foresta Umbra
<i>Valerianella</i> sp	Cornsalad sp	Widespread, sunny areas, field margins
<b>Violaceae</b>	<b>Violet Family</b>	
<i>Viola arvensis</i>	Field Pansy	Bosco Quarto
<i>Viola heterophylla</i> ssp <i>graeca</i>	Wild Pansy* <i>endemic</i>	Bosco Quarto
<i>Viola riviniana</i>	Common Dog Violet	Foresta Umbra, Bosco Quarto
<b>Vitaceae</b>	<b>Grape-vine Family</b>	
<i>Vitis vinifera</i>	Grape	Extensively cultivated, widespread
<b>LILIIDAE</b>	<b>MONOCOTYLEDONS</b>	
<b>Agavaceae</b>	<b>Agave Family</b>	
<i>Agave americana</i>	Agave or Century Plant	Cultivated areas, gardens
<b>Araceae</b>	<b>Arum Family</b>	
<i>Arum italicum</i> ssp <i>italicum</i>	Large Cuckoo Pint	Woods, shady places, widespread
<i>Arum maculatum</i>	Cuckoo Pint	Shaded areas - Bosco Quarto
<b>Cyperaceae</b>	<b>Sedge Family</b>	
<i>Carex caryophyllaceae</i>	Spring Sedge	Monte Sant'Angelo
<i>Carex echinata</i>	Star Sedge	Foresta Umbra
<i>Carex sylvatica</i>	Wood Sedge	Bosco Quarto, Foresta Umbra
<b>Dioscoreaceae</b>	<b>Black Bryony Family</b>	
<i>Tamus communis</i>	Black Bryony	Foresta Umbra - flowering
<b>Iridaceae</b>	<b>Iris Family</b>	
<i>Gladiolus italicus</i>	Field Gladiolus	tulip fields, leaves and buds
<i>Hermodactylus tuberosus</i>	Snake's-head Iris or Widow Iris	Pulsano Monastery



<i>Iris foetidissima</i>	Stinking Iris or Roast Beef Plant	Foresta Umbra
<i>Iris lutescens</i>	Yellow' Iris	Monte Sant'Angelo
<i>Iris pseudopumila</i>	Bi-coloured' Iris	Bosco Quarto
<b>Juncaceae</b>	<b>Rush Family</b>	
<i>Luzula forsteri</i>	Southern Wood-rush	Bosco Quarto
<b>Liliaceae</b>	<b>Lily Family</b>	
<i>Allium neapolitanum</i>	Naples Garlic	Bosco di Spinapulci
<i>Allium nigrum</i>	a wild Garlic	Bosco di Spinapulci
<i>Allium pendulinum</i>	Pendulous Garlic	Bosco Quarto
<i>Allium roseum</i>	Rose Garlic	Bosco di Spinapulci, roads nr Peschici
<i>Allium subhirsutum</i>	Hairy Garlic	Pulsano Monastery
<i>Allium ursinum</i>	Ramsons	Foresta Umbra
<i>Asparagus sp</i>	wild Asparagus	Roadsides, widespread
<i>Asphodeline lutea</i>	Yellow Asphodel	Monte Sant'Angelo
<i>Asphodelus aestivus</i>	Common Asphodel	Widespread
<i>Asphodelus fistulosus</i>	Hollow-leaved Asphodel	Pulsano Monastery
<i>Gagea (arvensis)</i>	Yellow Star of Bethlehem	Bosco Quarto, iris fields
<i>Muscari comosum</i>	Tassel Hyacinth	Monte Sant'Angelo
<i>Muscari neglecta</i>	Dark Grape Hyacinth	Monte Sant'Angelo, Monte Sacro
<i>Narcissus poeticus</i>	Pheasant's-eye Daffodil	Bosco Quarto, Foresta Umbra
<i>Narcissus tazetta</i>	Polyanthus Narcissus	Bosco Quarto
<i>Ornithogalum umbellatum</i>	Common Star of Bethlehem	Widespread
<i>Polygonatum multiflorum</i>	Solomon's Seal	Bosco Quarto
<i>Smilax aspera</i>	Common Smilax	Bosco Quarto, Peschici
<i>Tulipa sylvestris</i>	Wild Tulip	Cultivated fields, Bosco Quarto
<i>Ruscus aculeatus</i>	Butcher's Broom	Bosco Quarto
<i>Urginea maritima</i>	Sea Squill (leaves only)	Monte Sacro - roadsides
<b>Orchidaceae</b>	<b>Orchid Family</b>	
<i>Anacamptis pyramidalis</i>	Pyramidal Orchid	Monte Sant'Angelo, Peschici
<i>Dactylorhiza fuchsii</i>	Common Spotted Orchid	Bosco Quarto, leaves and buds only
<i>Dactylorhiza romana</i>	Roman Orchid	Bosco Quarto
<i>Dactylorhiza sambucina</i>	Elder-flowered Orchid	Monte Sacro
<i>Himantoglossum hircinum</i>	Lizard Orchid (not in flower)	Monte Sant'Angelo
<i>Himantoglossum (Barlia) robertianum</i>	Giant Orchid	Monte Sant'Angelo
<i>Ophrys apulica</i>	Apulian Ophrys* <i>endemic</i>	Monte Sant'Angelo, Monte Sacro
<i>Ophrys biscutella</i>	Spectacled Ophrys	Bosco Quarto
<i>Ophrys bombyliflora</i>	Bumble-bee Ophrys	Monte Sacro
<i>Ophrys fuciflora</i>	Late Spider Orchid	Monte Sant'Angelo
<i>Ophrys fusca</i>	Sombre Ophrys	Monte Saraceno
<i>Ophrys (passionis) garganica</i>	<i>an endemic</i>	Monte Sant'Angelo
<i>Ophrys incubacea</i>	Dark Ophrys	Monte Sant'Angelo
<i>Ophrys melena</i>	Yellow Ophrys, dark ssp	Monte Saraceno
<i>Ophrys parviflora</i>	Small-patterned Ophrys	Quarry stop, day 7
<i>Ophrys phryganae</i>	a 'yellow' Ophrys	Monte Sant'Angelo
<i>Ophrys promontorii</i>	<i>an endemic</i>	Monte Sant'Angelo
<i>Ophrys sicula</i>	a 'yellow' Ophrys	Monte Sant'Angelo
<i>Ophrys sipontensis</i>	<i>an endemic</i>	Monte Sant'Angelo
<i>Ophrys tenthredinifera</i>	Sawfly Ophrys	Monte Sacro
<i>Orchis (Aceras) anthropophora</i>	Man Orchid	Monte Sant'Angelo, Monte Sacro
<i>Orchis italica</i>	Naked Man Orchid	Monte Sant'Angelo, Monte Sacro
<i>Orchis lactea</i>	Milky Orchid	Monte Sant'Angelo

<i>Orchis morio</i>	Green Winged (veined) Orchid	Monte Sant'Angelo, Bosco Quarto
<i>Orchis papilionacea</i>	Pink Butterfly Orchid	Monte Sant'Angelo, Bosco Quarto
<i>Orchis pauciflora</i>	Sparse-flowered Orchid	Monte Sacro
<i>Orchis provincialis</i>	Provence Orchid	Bosco Quarto, Bosco di Spinapulci
<i>Orchis purpurea</i>	Lady Orchid	Monte Sant'Angelo, Bosco Quarto
<i>Orchis quadripunctata</i>	Four-spotted Orchid	Monte Sacro
<i>Serapias cordigera</i>	Heart-flowered Tongue Orchid	Bosco di Spinapulci, in tight bud only
<i>Serapias lingua</i>	Tongue Orchid	Bosco di Spinapulci, Fly-tip stop
<i>Serapias vomeracea</i>	Plough-share Tongue Orchid	Fly-tip stop

**Hybrids included some of the following:**

<i>Orchis morio</i> × <i>Orchis papilionacea</i>	Pulsano road
<i>Orchis pauciflora</i> × <i>Or. quadripunctata</i>	Monte Sacro
<i>Ophrys garganica</i> × <i>Op. sipontensis</i>	Pulsano road

**Poaceae**

*Aegilops geniculata*  
*Arundo donax*  
*Anthoxanthum odoratum*  
*Aira caryophylla*  
*Avena barbata*  
*Briža maxima*  
*Bromus bordaceus*  
*Catapodium rigidum*  
*Festuca vivipara*  
*Hordeum murinum*  
*Lagurus ovatus*  
*Melica uniflora*  
*Stipa pennata*

**Grass Family**

Aegilops Widespread  
Giant Reed Mainly coastal  
Sweet Vernal Grass Widespread  
Silver Hair Grass Bosco di Spinapulci  
Bristle Oat Roadsides, dry areas  
Large Quaking Grass Monte Sacro  
Soft Brome Roadsides, dry areas  
Fern Grass Pulsano Monastery  
Viviparous Fescue Bosco Quarto, Monte Sant'Angelo  
Wall Barley Monte San Angelo  
Hare's-foot Grass Monte San Angelo  
Wood Melick Bosco Quarto, Foresta Umbra  
Feather Grass sp Monte Saraceno

**Lichens**

<i>Lobaria pulmonaria</i>	Tree Lungwort	Foresta Umbra
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**Birds** (✓ = recorded but not counted)

	Scientific Name	Common Name	Numbers	Notes
1	Great Crested Grebe	<i>Podiceps cristatus</i>	4+	coastal saltpans day 8
2	Little Egret	<i>Egretta garzetta</i>	10+	Coastal saltpans, day 8
3	Purple Heron	<i>Ardea purpurea</i>	1	Coastal saltpans, day 8
4	Grey Heron	<i>Ardea cinerea</i>	singles	coastal saltpans day 8
5	Greater Flamingo	<i>Phoenicopterus roseus</i>	1000+	Coastal saltpans, day 8
6	Marsh Harrier	<i>Circus aeruginosus</i>	1	coastal saltpans day 8
7	Common Buzzard	<i>Buteo buteo</i>	daily	Roadsides, hilly areas
8	Common Kestrel	<i>Falco tinnunculus</i>	daily	Open country areas, scarce
9	Lesser Kestrel	<i>F. naumanni</i>	5+	roadsides, day 8
10	Common Moorhen	<i>Gallinula chloropus</i>	5	Coastal saltpans, day 8
11	Shelduck	<i>Tadorna tadorna</i>	25+	coastal saltpans day 8
12	Mallard	<i>Anas platyrhynchos</i>	1	Woodland pool, Foresta Umbra
13	Avocet	<i>Recurvirostra avosetta</i>	20+	Coastal saltpans, day 8
14	Black-winged Stilt	<i>Himantopus himantopus</i>	20+	Coastal saltpans, day 8
15	Common Sandpiper	<i>Actitis hypoleuca</i>	5+	Coastal saltpans, Peschici
16	Marsh Sandpiper	<i>Tringa stagnatilis</i>	5+	coastal saltpans day 8

	<b>Scientific Name</b>	<b>Common Name</b>	<b>Numbers</b>	<b>Notes</b>
17	Common Redshank	<i>Tringa totanus</i>	singles	Coastal salt pans, day 8
18	Kentish Plover	<i>Charadrius alexandrinus</i>	2+	coastal salt pans day 8
19	Ruff	<i>Philomachus pugnax</i>	1000+	coastal salt pans day 8
20	Whimbrel	<i>Numenius phaeopus</i>	6+	coastal salt pans day 8
21	Black-headed Gull	<i>Larus ridibundus</i>	singles	Coastal salt pans, day 8
22	Slender-billed Gull	<i>Chroicocephalus genei</i>	20+	Coastal salt pans, day 8
23	Yellow-legged Gull	<i>Larus michahellis</i>	30+	Coastal areas, widespread
24	Rock Dove/Feral Pigeon	<i>Columba livia</i>		Widespread
25	Wood Pigeon	<i>Columba palumbus</i>	singles	Widespread
26	Collared Dove	<i>Streptopelia decaocto</i>	singles	Monte Sant'Angelo
27	Common Cuckoo	<i>Cuculus canorus</i>	singles	Monte Sant'Angelo
28	Tawny Owl	<i>Strix aluco</i>	singles	seen in Foresta Umbra
29	Scops Owl	<i>Otus scops</i>	1?	Palace Hotel grounds, briefly
30	Common Swift	<i>Apus apus</i>		Monte Sant'Angelo
31	Hoopoe	<i>Upupa epops</i>	1	roadside, Peschici
32	Green Woodpecker	<i>Picus viridis</i>		Foresta Umbra (heard)
33	Skylark	<i>Alauda arvensis</i>	singles	Widespread
34	Crested Lark	<i>Galerida cristata</i>	1	coastal salt pans
35	Woodlark	<i>Lullula arborea</i>	1	Monte Sant'Angelo
36	Barn Swallow	<i>Hirundo rustica</i>	sparse	Widespread
37	House Martin	<i>Delichon urbica</i>	few	Monte Sant'Angelo
38	White Wagtail	<i>Motacilla alba</i>	singles	Monte Sant'Angelo
39	Black-headed Wagtail	<i>Motacilla flava feldegg</i>	1	coastal salt pans day 8
40	Nightingale	<i>Luscinia megarhynchos</i>	singles	heard in song in many locations
41	Dunnock	<i>Prunella modularis</i>	singles	occasional in wooded areas
42	Robin	<i>Erithacus rubecula</i>	widespread	Foresta Umbra
43	Northern Wheatear	<i>Oenanthe oenanthe</i>		Pulsano monastery
44	Common Stonechat	<i>Saxicola torquata</i>	1	Monte Sant'Angelo area
45	Song Thrush	<i>Turdus philomelos</i>	widespread	Foresta Umbra
46	Mistle Thrush	<i>Turdus viscivorus</i>	scarce	heard in song in Bosco Quarto
47	Common Blackbird	<i>Turdus merula</i>	widespread	Foresta Umbra
48	Blackcap	<i>Sylvia atricapilla</i>	widespread	scrubby areas, widespread
49	Sub-alpine Warbler	<i>Sylvia cantillans</i>	widespread	Monte Sant'Angelo area
50	Sardinian Warbler	<i>Sylvia melanocephala</i>	singles	seen well at Peschici
51	Fan-tailed Warbler	<i>Cisticola juncidis</i>	singles	coastal salt pans day 8
52	Firecrest	<i>Regulus ignicapilla</i>	10+	Foresta Umbra
53	Wren	<i>Troglodytes troglodytes</i>	singles	Monte Sant'Angelo, Bosco Quarto
54	Great Tit	<i>Parus major</i>	widespread	Foresta Umbra
55	Blue Tit	<i>Cyanistes caeruleus</i>	scattered	Foresta Umbra
56	Marsh Tit	<i>Poecile palustris</i>	1	Bosco Quarto
57	Long-tailed Tit	<i>Aegithalos caudatus</i>	5+	Bosco Quarto
58	Nuthatch	<i>Sitta europaea</i>	10+	Foresta Umbra
59	Short-toed Treecreeper	<i>Certhia brachydactyla</i>	2+	Bosco Quarto
60	Magpie	<i>Pica pica</i>	daily	Widespread
61	Jay	<i>Garrulus glandarius</i>	widespread	Scattered sightings
62	Jackdaw	<i>Corvus monedula</i>	widespread	Monte Sant'Angelo
63	Hooded Crow	<i>Corvus cornix</i>	frequent	Widespread
64	Raven	<i>Corvus corax</i>	singles	Bosco Quarto, Foresta Umbra
65	Starling	<i>Sturnus vulgaris</i>	daily	Widespread
66	House/Italian Sparrow	<i>Passer domesticus/italiae</i>		Widespread
67	Chaffinch	<i>Fringilla coelebs</i>		Widespread
68	Linnet	<i>Carduelis cannabina</i>	few	Monte Sant'Angelo area

	<b>Scientific Name</b>	<b>Common Name</b>	<b>Numbers</b>	<b>Notes</b>
69	Goldfinch	<i>Carduelis carduelis</i>		Widespread
70	Serin	<i>Serinus serinus</i>	singles	Peschici, Monte Sant'Angelo
71	Cirl Bunting	<i>Emberiza cirlus</i>	singles	Pulsano monastery road
72	Corn Bunting	<i>Miliaria calandra</i>		common in lowland sites

### Butterflies

1	Southern Festoon	<i>Zerynthia polyxena</i>		Foresta Umbra
2	Scarce Swallowtail	<i>Iphicides podalirius</i>		singles on coast
3	Swallowtail	<i>Papilio machaon</i>		singles in sunny areas
4	Large White	<i>Pieris brassicae</i>		common
5	Small White	<i>Pieris rapae</i>		common
6	Green-veined White	<i>Pieris napi</i>		seen almost daily
7	Eastern Dappled White	<i>Euchloe ausonia</i>		singles
8	Orange Tip	<i>Anthocharis cardamines</i>		singles, Bosco Quarto
9	Cleopatra	<i>Gonepteryx cleopatra</i>		scarce
10	Brimstone	<i>Gonepteryx rhamni</i>		occasional sightings
11	Green Hairstreak	<i>Callophrys rubi</i>		occasional sightings
12	Small Copper	<i>Lycaena phlaeas</i>		Bosco Quarto
13	Little Blue	<i>Cupido minimus</i>		Bosco Quarto
14	Holly Blue	<i>Celastrina argiolus</i>		Bosco Quarto
15	Green-underside Blue	<i>Glaucopsyche alexis</i>		Bosco Quarto
16	Baton Blue	<i>Pseudophilotes baton</i>		Pulsano Monastery
17	Adonis Blue	<i>Lysandra bellargus</i>		Monte Sacro
18	Brown Argus	<i>Arcia agestis</i>		Monte Sacro
19	Chapman's Blue	<i>Agrodiaetus thersites</i>		Bosco Quarto
20	Large Tortoiseshell	<i>Nymphalis polychloros</i>		Monte Sacro
21	Red Admiral	<i>Vanessa atalanta</i>		Monte Sant'Angelo
22	Speckled Wood	<i>Parage aegeria</i>		woodlands, shady areas
23	Wall Brown	<i>Lasiommata maera</i>		seen almost daily
24	Small Heath	<i>Coenonympha pamphilus</i>		occasional sightings
25	Italian Marbled White	<i>Melanargia arge</i>		Bosco Quarto

### Moths

1	Cream-spot Tiger Moth	<i>Arctia villica</i>		Pulsano Monastery road
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### Reptiles and amphibians

1	Common Wall Lizard	<i>Podarcis muralis</i>		seen almost daily
2	Italian Wall Lizard	<i>Podarcis sicula</i>		seen almost daily
3	Common Lizard	<i>Lacerta vivipara</i>		occasional sightings
4	Red-eared Terrapin	<i>Trachemys scripta</i>		Lago Umbra
5	Green Toad	<i>Bufo viridis</i>		Peschici stream
6	Common Toad	<i>Bufo bufo</i>		tadpoles in Lago Umbra