

# Flowers of Italy's Gargano Peninsula

Naturetrek Tour Report

27 April - 4 May 2010

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*Op.sipontensis*



*Op-biscutella*



*Op-tenthredinifera*



2010 Group botanising

Report and images compiled by Andrew Cleave and Andy Smith



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## Day 1

Tuesday 27th April

Weather: Overcast, but improving all the time

After all the uncertainties of volcanic ash clouds and cancelled flights the group were relieved to arrive safely, and several minutes early, in Bari at about 4pm. where Andrew was waiting to meet everyone. The two minibuses were collected from the car park close to the terminal, and we loaded up for our journey to Monte San Angelo. A slight hitch over navigation and communication meant that we took two different routes to reach our hotel, and we arrived about two and half hours later and within minutes of each other. The journey to the Gargano Peninsula took us along almost traffic free roads through an area of intense cultivation with olive groves and fields of various crops on either side. Nearing the coast we drove through avenues of magnificent Giant Fennel *Ferula communis* and glimpsed a few birds such as migrant Marsh Harriers and resident Kestrels. A brief stop near some saltpans allowed us to watch Black-winged Stilts, Little Egrets, Spoonbills and Greenshank, before we headed for the hills and the road up to the Palace Hotel overlooking the Gulf of Manfredonia. A brief get-together enabled us to sort out plans for the next few days before our dinner.

## Day 2

Wednesday 28th April

Weather: Sunny and warm, but with a stiff breeze on open hillsides

Our first experience of the richness of the Gargano flora was not far from the hotel, along a road leading to a nearby monastery. Here we could hardly step for fear of squashing orchids, and there were many excited cries as more and more species were discovered.

Most obvious were the many members of the *Ophrys* genus, such as the rare British native Late Spider Orchid *Ophrys fuciflora*, but we came across numerous other attractive species from different families amongst them. The stony, terraced hillside was colourful and scented with typical Mediterranean herbs. Bright yellow Alyssum *Alyssum saxatile* and Horseshoe Vetch *Hippocrepis glauca* vied with the Pink Hawksbeard *Crepis rubra* and clear blue Dyer's Alkanet *Alkanna lehmannii* for our attention and Swallowtail butterflies were very much in evidence. Cirl Buntings, Woodlarks and Sub-alpine Warblers were also present so it was difficult to take it all in at first. After a couple of hours in this rich habitat we moved a short distance along the road to a little copse for a lunch break – local bread, cheeses, tomatoes, ham and wine were much appreciated. More orchids were added to the list here, including a single Dull Ophrys *Ophrys fusca* and some magnificent Lady Orchids *Orchis purpurea*.

After lunch we continued along the road to the Monastery where the endemic Goldendrops *Onosma lucana* was found on a crag with a splendid view down to the sea. Growing on the walls were a few more interesting species such as the deadly poisonous Henbane *Hyoscyamus alba* and Pellitory-of-the-Wall *Parietaria judaica*. Our final walk for the day was along an ancient quarry track into the gorge beyond the monastery where Clove-scented Broomrape *Orobancha caryophyllacea* and Pitch Trefoil *Psoralea bituminosa* were identified by their distinctive scents. Back at the hotel we had the chance to talk over the finds of the day, compare photographs on laptops, and plan the next day's outing, before enjoying our evening meal

## Day 3

Thursday 29th April

Weather: Sunny and warm, with a breeze late in the afternoon

Our plan for the day was to travel inland to the Bosco Quarto and search in woodland habitats. However, some roadside stops enabled us to find more of the open habitat Ophrys species, and we reminded ourselves of the identification of species like Bertoloni's Bee Orchid *Ophrys bertolonii*, Spectacled Ophrys *Ophrys biscutella* and the very confusing Early Spider Orchid *Ophrys sphegodes* group.

Moving into the forest meant that we were able to find the beautiful wild Peony *Paeonia mascula* and some stunning displays of various species of wild peas such as *Pisum sativum* and *Vicia melanops*. The zig-zag road into the forest gradually gave way to a stony track and we eventually arrived at a picnic area where some forestry workers had been stacking timber – we were impressed by the neatness of the log pile and the way the brushwood had been disposed of. A single Bird's-nest Orchid *Neottia nidus-avis* had been spotted beside the road just before the picnic site, and the banks on either side were draped with ferns. Some of us managed to watch a Hawfinch preening on a branch, and a Lesser Spotted Woodpecker was eventually seen by most of the group.

After another picnic lunch we set off to walk through the forest and descend into a cultivated valley, where the bright blue *Anchusa cretica* grew alongside the tracks. The cultivated land held less interest for the botanists, but the hedgerows were filled with bird song; most people managed to glimpse one of the many Nightingales which were singing loudly here. A surprise for the birdwatchers came in the form of two Wood Sandpipers feeding in a muddy puddle. As we climbed out of the valley from the Piscina Pantolfe we stopped to photograph a wonderful display of *Iris lutescens*. On the woodland track back to the minibuses two species of Morel fungi were found and photographed – later that week we were to be treated to a wild mushroom risotto for our evening meal so maybe Morels were included.

## Day 4

Friday 30th April

Weather: Sunny and warm, with the occasional cloudy spell and a light breeze

A long drive down the road made up of continuous hairpin bends took us to Mattinata, which we skirted around on a little by-pass before taking more hairpin bends to the starting point for a walk up Monte Sacro – a stony hill with a rich and fascinating flora. A well-trodden path led to the summit of the hill, but there was much to see on the way and not all of the party reached the highest point. Spotted Rock-rose *Tuberaria guttata* was a new species for the list, and drifts of Man Orchids *Orchis anthropobora* grew amongst the rocks. Just before entering the forest a large patch of Sparse-flowered Orchids *Orchis pauciflora* and Four-spotted Orchids *Orchis quadripunctata* were found. Higher up, and near the summit, a double spike of Sword-leaved Helleborine *Cephalanthera longifolia* was just coming into flower. The ruined monastery at the summit had some fascinating carvings, and here there were some lovely views over the surrounding wooded hills. Lizards basked on the stones, and scorpions and giant woodlice were found beneath some of them. A picnic in a shady hollow at the base of the track was very welcome after the climb.

After driving back around Mattinata we stopped at the start of the track to Monte Saraceno, an impressive outcrop and ruin overlooking the sea. Three species of Cistus (*C. salvifolius*, *creticus* and *monspeliensis*) growing in close proximity made for easy identification and a large stand of *Bellardia trixago* was very eye-catching. The star attraction of this walk, however, was the family of friendly piglets which lived at the end of the track, with stunning views and some attentive sows, all of which proved to be very photogenic. We returned to the hotel in plenty of time to enjoy the panorama below the town, and some drinks, before our evening roll call and dinner.

## Day 5

Saturday 1st May

Weather: Sunny and warm, with a slight breeze later

We had arranged to have some free time this morning, to give everyone the opportunity to have a look around the historic sites of Monte San Angelo. Being a Saturday, and May Day, the town was thronged with tourists, so after a brief spell of sightseeing and the purchase of the local author's Orchid book, we returned to the site along the road which was our first stop of the trip. This gave the opportunity to have another look at the many confusing Ophrys orchids; a few were identified this time with greater certainty, and some new species were added to the list. The Dark Ophrys *Ophrys incubacea* was photographed and we also enjoyed the chance to have a close look at various rare British natives such as Ground Pine *Ajuga chamaepitys* and Shepherd's Needle *Scandix pecten-veneris*.

After this we drove a short distance to the little church overlooking the hillside above our hotel. The plan was to have a quiet picnic here, but several others had the same idea. However, we parked in the shade and enjoyed our picnic with some far-reaching views and the attentions of some Scarce Swallowtail butterflies. Stopping along the track to check some mystery orchids spotted on an early morning walk produced a surprise in the form of a colony of the diminutive and elusive Dense-flowered Orchid *Orchis intacta*, normally a very tricky species to find.

After a brief stop at the hotel, we drove back to the Bosco Quarto and checked a few roadside sites where we found many more orchids, including Roman, *Dactylorhiza romana*, Elder-flowered, *D. sambucina*, Sparse-flowered, Green-winged *Orchis morio* and Lady Orchid, and a few more peonies. We were impressed by the abundance and variety of species in almost all of the sites we stopped at.

An obliging Green Lizard allowed some close up photography, although a squashed snake on the road was not so pleasant. Our final stop of the day was intended to be a quick look at some orchid-rich meadows, but these seemed to have been cultivated; whilst there, however, some local people out for an afternoon stroll called us over to a little copse where we were delighted to see a wonderful display of Peonies and *Doronicum* growing in the shade of ancient pollarded Hornbeam trees. Returning to the town we encountered a monumental traffic jam but some deft navigating allowed us to find our way back to the hotel, by way of the maze of roads in the old town.

## Day 6

Sunday 2nd May

Weather: Sunny for most of the day, some cloudy spells, but very warm

We left the Palace Hotel this morning and headed north towards the coast by way of the Foresta Umbra, the shady forest composed of dense groves of beech and hornbeam. There were colourful displays of *Doronicum*, Coralroot Bittercress *Cardamine bulbifera*, *Narcissus poeticus* and *Anemone appenina* in the forest. A shady picnic spot was chosen, and we then had a walk in 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. This showed a rapid colour change from dull grey to bright green when splashed with water from a water-bottle. More garlic-scented species were encountered here, including the British native, Ramsons *Allium ursinum*.

Further along the road we stopped to admire Spring Cyclamen *Cyclamen repandum* growing on steep slopes and then having left the forest we stopped at the aptly-named "Fly-tip Stop" where we found many more *Ophrys* and *Serapias* species, plus Yellow Bartsia *Parentucellia viscosa*, and the minute-flowered, but intensely pink *Kolrauschia Petrorhagia velutina* on its slender stalks. We took the increasingly winding road to reach the lovely little harbour of Peschici where we checked in to the Hotel Elisa, conveniently sited close to the beach. After the usual formalities most of the group explored the town and harbour, discovering coffee and ice-cream, and wonderful views. Our evening meal was composed of the local seafood, freshly prepared by the proprietor.

## Day 7

Monday 3rd May

Weather: Sunny almost all day, with some high cloud and light breezes

We drove west out of the town along the now-familiar twisting roads, noting the number of people working hard in the olive groves amongst smoky bonfires, until we reached a highway which enabled us to get to the west of the peninsula. Here we headed inland to explore the Bosco de Spinapuci - "Forest of the Spiny Flea", a high limestone pavement with forests and meadows, but few settlements. A brief stop on a lane allowed us to look at the elegant purple Mullein *Verbascum phoenicium*, and close by we found Honeywort *Cerintho major* and wild Asparagus.

Further on we stopped in a disused quarry where Red-footed Falcons hunted dragonflies overhead and more of the Spring Cyclamen was in flower. We then headed up onto the limestone plateau where there was a colony of hundreds of the Heart-flowered Tongue Orchid *Serapias cordigera*. A lovely picnic spot overlooking wooded valleys on either side was a good vantage point for exploring this area. A Wryneck called from a nearby tree and in the woods on the slopes below we could hear Golden Oriole, Cuckoo, Nightingale and Turtle Dove.

More orchids were found in the woods, plus the curious Birthwort *Aristolochia rotunda*. After lunch and a walk through the woods we drove on to the interesting landscape feature known as a Dolina – a vast collapsed cave, which created a crater, now lined with woods and cultivated at the base. Our final stop of the day was close to Peschici where we looked over the cliffs to photograph the strange arrangement of poles and nets used to catch fish from the rocks. Another memorable seafood supper followed with a table covered in delicious baked Angler Fish (*Lophius piscatorius*).

## Day 8

Tuesday 4th May

Weather: Mostly sunny, but clouding over near Bari

This morning we had to pack up and leave, but there was time for a brief stroll around the harbour in the morning before the long drive back to Bari airport. A scattering of migrant birds had appeared overnight, and there were Sardinian Warblers in the hotel garden. Yellow-legged Gulls were easy to observe in the harbour and the occasional Alpine Swift could be seen overhead. Once we had left the Gargano Peninsula and descended to the plains we were struck by the level of cultivation of the area with vineyards, olive and citrus groves and acres of plastic. A stop at a service station was needed for lunch and we arrived in plenty of time at the airport where our flight was on time.

We arrived back at Gatwick a few minutes early and the baggage appeared efficiently so after some hasty farewells, the 2010 Gargano trip reached a successful conclusion.

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## Species Lists

### Plants

Scientific name	Common name	Habitat/location/most frequent site
<b>PTERIDOPHYTES</b>		
<i>Selaginella denticulata</i>	Mediterranean Clubmoss	Damp, shady rocks, common.
<i>Asplenium adiantum-nigrum</i>	Black Spleenwort	Shaded rocks
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	Rocks and walls
<i>Ceterach officinarum</i>	Rustyback	Rocks and walls, common
<i>Phyllitis scolopendrium</i>	Hart's-tongue Fern	Foresta Umbra
<i>Pteridium aquilinum</i>	Bracken	Roadsides, hedgerows
<i>Dryopteris dilatata</i>	Broad-buckler Fern	Foresta Umbra
<i>Polystichum setiferum</i>	Soft Shield Fern	Foresta Umbra
<i>Polypodium vulgare</i>	Polypody	Scarce on shady rocks
<b>FERNS AND ALLIES</b>		
<b>PINOPSIDA GYMNOSPERMS</b>		
<i>Cupressus sempervirens</i>	Italian Cypress	Roadsides, towns
<i>Juniperus oxycedrus</i>	Prickly Juniper	Rocky hillsides
<i>Pinus halapensis</i>	Aleppo Pine	Cliffs, rocky slopes, common
<i>Pinus pinea</i>	Stone Pine	Lowland areas
<i>Taxus baccata</i>	Yew	Foresta Umbra
<b>CONIFERS</b>		
<b>ANGIOSPERMS</b>		
<b>FLOWERING PLANTS</b>		
<b>Aceraceae</b>		
<i>Acer platanoides</i>	Maple Family	
<i>Acer pseudoplatanus</i>	Norway Maple	Bosco Quarto
<i>Acer obtusatum</i>	Sycamore	Widespread, forests
<i>Acer opalus</i>	Bosnian Maple	Monte Sacro, stony hillside
	Italian Maple	Bosco Quarto
<b>Aizoaceae</b>		
<i>Carpobrotus acinaciformis</i>	Dew-plant Family	
	Red Hottentot Fig	Nr Monte San Angelo
<b>Anacardiaceae</b>		
<i>Pistachia lentiscus</i>	Sumach Family	
<i>Pistacia terebrinthus</i>	Mastic Tree	Stony hillsides
	Turpentine Tree	Stony hillsides and scrub
<b>Apiaceae (Umbelliferae)</b>		
<i>Conium maculatum</i>	Carrot Family	
<i>Crithmum maritimum</i>	Hemlock	Roadsides
<i>Daucus carota</i>	Rock Samphire	Peschici Harbour and rocks
<i>Eryngium campestre</i>	Wild Carrot	Roadsides, rocky slopes
<i>Ferula communis</i>	Field Eryngo	Stony hillsides
<i>Laserpitium latifolium</i>	Giant Fennel	Roadsides, cultivated areas
<i>Oenanthe fistulosa</i>	Broad-leaved Sermountain	Bosco Quarto
<i>Orlaya grandiflora</i>	Tubular Water Dropwort	Piscina Pantolfe
<i>Sanicula europaea</i>	Orlaya	Roadsides
<i>Scandix pecten-veneris</i>	Sanicle	Foresta Umbra
<i>Smyrnium rotundifolium</i>	Shepherd's Needle	Stony hillsides, field margins
<i>Thapsia garganica</i>	Perfoliate Alexanders	Stony ground, cultivated areas
<i>Tordylium apulum</i>	Thapsia	Open hillsides
	Tordylium	Stony ground, cultivated areas

Scientific name	Common name	Habitat/location/most frequent site
<i>Torilis arvensis</i>	Spreading Hedge Parsley	Monte San Angelo
<b>Apocynaceae</b>	<b>Periwinkle Family</b>	
<i>Nerium oleander</i>	Oleander (leaves only)	Monte Saraceno area
<i>Vinca major</i>	Periwinkle	Roadsides, shrubby areas
<b>Araliaceae</b>	<b>Ivy Family</b>	
<i>Hedera helix</i>	Ivy	Monte Sacro
<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 Spinapuci
<b>Asclepiadaceae</b>	<b>Milkweed Family</b>	
<i>Vincetoxicum hirundinaria</i>	Swallow-wort	Roadsides, tracks
<b>Asteraceae (Compositae)</b>	<b>Daisy Family</b>	
<i>Andryala integrifolia</i>	Andryala	Roadsides, tracks, fields
<i>Artemisia absinthum</i>	Wormwood	Roadsides
<i>Bellis perennis</i>	Daisy	Short grassland
<i>Bellis sylvestris</i>	Southern Daisy	Grassland, woodland clearings
<i>Calendula arvensis</i>	Field Marigold	Cultivated areas
<i>Carduus chrysacanthus</i>	Apennine Thistle	Stony hillsides
<i>Centaurea cyanus</i>	Perennial Cornflower	Bosco Quarto
<i>Cirsium eriophorum</i>	Woolly Thistle	Stony hillsides
<i>Crepis rubra</i>	Pink Hawksbeard	Stony hillsides, open areas, common
<i>Crupina crupinastrum</i>	Crupina	Open areas, stony ground
<i>Dittrichia viscosa</i>	Woody Fleabane	Bosco Quarto
<i>Doronicum columnae</i>	Heart-leaved Leopard's-bane	Woodlands and meadows
<i>Doronicum plantagineum</i>	Leopard's-bane	Bosco Quarto
<i>Evax pygmaea</i>	Evax	Open, stony areas
<i>Galactites tomentosa</i>	Galactites	Widespread, open areas
<i>Glebionis coronarium</i>	Crown Daisy	Monte San Angelo
<i>Chrysanthemum segetum</i>	Corn Marigold	Roadsides, cultivated areas
<i>Helichrysum stoechas</i>	Curry Plant	Amongst Cistus scrub
<i>Hyoseris radiata</i>	A 'dandelion'	Widespread
<i>Inula verbascifolia</i>	Mullein-leaved Spikenard	Cistus scrub areas
<i>Pallenis spinosa</i>	Pallenis	Monte San Angelo, Monte Sacro
<i>Scorzonera villosa</i>	Hairy Viper's-grass	Roadsides, verges
<i>Silybum marianum</i>	Milk Thistle	Roadsides, verges
<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>Tussilago farfara</i>	Colt's-foot	Waste ground
<i>Urospermum dalechampii</i>	Urospermum	Open, sunny areas, stony ground
<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 San Angelo



Scientific name	Common name	Habitat/location/most frequent site
<b>Boraginaceae</b>	<b>Forget-me-not Family</b>	
<i>Alkanna lehmanii</i>	Dyer's Alkanet	Monte San Angelo
<i>Anchusa cretica</i>		Piscina Pantolfe
<i>Borago officinalis</i>	Borage	Sunny, open areas
<i>Lithospermum purpureocaerulea</i>	Purple Gromwell	Stony hillsides
<i>Cerinthe 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	Scattered, stony hillsides
<i>Echium vulgare</i>	Viper's Bugloss	Roadsides, verges, stony slopes
<i>Myosotis discolor</i>	Changing Forget-me-not	Bosco Quarto
<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 officinalis</i>	Common Lungwort	Bosco Quarto, Foresta Umbra
<b>Brassicaceae (Cruciferae)</b>	<b>Cabbage Family</b>	
<i>Aethionema saxatile</i>	Burnt Candytuft	Hillsides near Monte San Angelo
<i>Alliaria petiolata</i>	Garlic Mustard	Roadsides, verges
<i>Alyssoides sinuata</i>	Alyssoides	Pulsano Monastery, on walls
<i>Alyssum saxatile</i>	Yellow Alyssum	Stony hillsides, common
<i>Arabis caucasica</i>	Garden Rockcress	Monte San Angelo
<i>Arabis turrita</i>	Tower Mustard	Monte San Angelo
<i>Arabis verna</i>	Spring Rock Cress	Pilgrim's Path
<i>Aubretia columnae</i>	Aubretia	Pilgrim's Path
<i>Biscutella didyma</i>	Biscutella	Monte Sacro, stony hillsides
<i>Bunias erucago</i>	Warty Cabbage	Roadsides, near Dolina viewpoint
<i>Capsella bursa-pastoris</i>	Sherpherd's Purse	Roadsides, bare ground, car parks
<i>Cardamine bulbifera</i>	Coralroot Bittercress	Bosco Quarto, Foresta Umbra
<i>Cardamine plumieri</i>	Ivy-leaved Bittercress	Foresta Umbra
<i>Isatis tinctoria</i>	Woad	Roadsides, common
<i>Lepidium draba</i>	Hoary Cress	Roadsides
<i>Raphanes raphanistrum</i>	Wild Radish	Roadsides, cultivated areas
<i>Sisymbrium officinale</i>	Hedge Mustard	Roadsides
<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 Monastery <i>Endemic</i>
<i>Campanula erinus</i>	Bellflower	Rocky areas, scarce
<b>Caprifoliaceae</b>	<b>Honeysuckle Family</b>	
<i>Lonicera etrusca</i>	Etruscan Honeysuckle	Hedgerows, scarce
<i>Lonicera periclymenum</i>	Honeysuckle	Hedgerows, woods, common
<i>Sambucus ebulus</i>	Dwarf Elder, Danewort	Open, sunny areas, stony ground
<i>Sambucus nigra</i>	Elder	Widespread, hedgerows,
<b>Caryophyllaceae</b>	<b>Pink Family</b>	
<i>Cerastium fontanum</i>	Common Mouse-ear	Roadsides, waste ground
<i>Cerastium glomeratum</i>	Sticky Mouse-ear	Roadsides, waste ground
<i>Minuartia (trinerva?)</i>	A Sandwort sp	Bosco Quarto
<i>Silene conica</i>	Sand Catchfly	Monte San Angelo
<i>Silene gallica</i>	Small-flowered Catchfly	Peschici
<i>Silene italica</i>	Italian Catchfly	Open, stony areas

Scientific name	Common name	Habitat/location/most frequent site
<i>Silene latifolia</i>	White Campion	Roadsides, cultivated areas
<i>Silene vulgaris</i>	Bladder Campion	Roadsides
<i>Stellaria media</i>	Common Chickweed	Bosco Quarto
<i>Stellaria nemorum</i>	Wood Stitchwort	Foresta Umbra
<b>Celastraceae</b>	<b>Spindle Family</b>	
<i>Euonymus europaeus</i>	Spindle	Roadsides, Foresta Umbra
<b>Cistaceae</b>	<b>Rock-rose Family</b>	
<i>Cistus creticus</i>	Pink Cistus	Monte Sacro
<i>Cistus monspeliensis</i>	Narrow-leaved Cistus	Monte Saraceno
<i>Cistus salvifolius</i>	Sage-leaved Cistus	Monte Saraceno
<i>Helianthemum apenninum</i>	White Rock-rose	Monte San Angelo
<i>Helianthemum oelandicum ssp canum</i>	Hoary Rock-rose	Monte San Angelo
<i>Helianthemum nummularium</i>	Rock-rose	Monte San Angelo
<i>Tuberaria guttata</i>	Spotted Rock-rose	Monte Sacro
<b>Convolvulaceae</b>	<b>Bindweed Family</b>	
<i>Calystegia sepium</i>	Hedge Bindweed	Roadsides, hedgerows
<i>Convolvulus althaeoides</i>	Mallow-leaved Bindweed	Roadsides, stony ground
<i>C. althaeoides ssp tenuissimus</i>	Mallow-leaved Bindweed sp	Roadsides, stony ground
<b>Crassulaceae</b>	<b>Stonecrop family</b>	
<i>Sedum album</i>	White Stonecrop	Stony ground
<i>Sedum sp</i>	A stonecrop (not flowering)	Pilgrim's Path
<i>Umbilicus rupestris</i>	Wall Pennywort	Pilgrim's Path
<b>Dipsacaceae</b>	<b>Teasel Family</b>	
<i>Dipsacus fullonum</i>	Teasel	Roadsides, waste ground
<i>Lomelosia (cretica)</i>	Pink 'scabious'	Pilgrim's Path
<b>Ericaceae</b>	<b>Heather Family</b>	
<i>Arbutus unedo</i>	Sawberry Tree	Peschici
<i>Erica arborea</i>	Tree Heather	Monte Sacro area
<b>Euphorbiaceae</b>	<b>Spurge Family</b>	
<i>Euphorbia amygdaloides</i>	Wood Spurge	Bosco Quarto, Foresta Umbra
<i>Euphorbia biumbellata</i>	Whorled Spurge	Pulsano Monastery
<i>E. characias ssp characias</i>	Mediterranea Spurge	Sunny open areas, stony ground
<i>Euphorbia helioscopia</i>	Sun Spurge	Waste ground
<i>Euphorbia myrsinites</i>	Broad-leaved Glaucous Spurge	Monte San Angelo
<i>Euphorbia spinosa</i>	Spiny Dwarf Spurge	Monte San Angelo
<b>Fabaceae (Leguminosae)</b>	<b>Pea Family</b>	
<i>Anagyris foetida</i>	Bean Trefoil	Roadside stop, day 7
<i>Anthyllis tetraphylla</i>	Bladder Vetch	Roadsides
<i>Anthyllis vulneraria ssp praepropera</i>	Kidney Vetch (pink form)	Open, sunny areas, stony ground
<i>Astragalus monspessulanus</i>	False Vetch	Monte San Angelo
<i>Calycotome infesta</i>	Spiny Broom	Monte Sacro
<i>Ceratonia siliqua</i>	Carob	Gardens, Monte San Angelo, Peschici
<i>Cercis siliquastrum</i>	Judas Tree	Monte San Angelo
<i>Coronilla scorpioides</i>	Annual Scorpion Vetch	Pulsano Monastery
<i>Cytisus decumbens ssp elatior</i>	Prostrate Broom	Monte San Angelo

Scientific name	Common name	Habitat/location/most frequent site
<i>Cytisus villosus</i>	Broom sp	Bosco Quarto
<i>Hedysarum coronarium</i>	Italian Sainfoin	Monte San Angelo
<i>Hippocrepis glauca</i>	Horseshoe Vetch sp	Monte San Angelo
<i>Hippocrepis unisiliquosa</i>	Horseshoe Vetch sp	Monte San Angelo
<i>Hymenocarpus circinnatus</i>	Disk Trefoil	Dolina viewpoint area
<i>Lathyrus aphaca</i>	Yellow Vetchling	Peschici, Fly-tip stop area
<i>Lathyrus cicera</i>	Vetchling sp	Fly-tip stop
<i>Lathyrus clymenum</i>	Vetchling sp	Roadsides
<i>Lathyrus setifolius</i>	Red Grass Vetchling	Monte Saraceno
<i>Lotus edulis</i>	Edible Lotus	Roadsides
<i>Lupinus micranthus</i>	Hairy Lupin	Monte Sacro
<i>Medicago arabica</i>	Spotted Medick	Monte San Angelo
<i>Medicago rigidula</i>	Medick sp	Roadsides
<i>Mellilotus indicus</i>	Small Mellilot	Pulsano Monastery
<i>Onobrychis aequidentata</i>	Sainfoin sp	Pulsano Monastery
<i>Onobrychis saxatilis</i>	Rock Sainfoin	Monte San Angelo
<i>Pisum sativum ssp elatior</i>	Cultivated Pea	Roadsides
<i>Psoralea bituminosa</i>	Pitch Trefoil	Pulsano Monastery
<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
<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
<i>Trifolium resupinatum</i>	Reversed Clover	Fly-tip stop
<i>Trifolium stellatum</i>	Starry Clover	Monte San Angelo
<i>Trifolium tomentosum</i>	Woolly Trefoil	Monte San Angelo
<i>Vicia bithynica</i>	Bithynian Vetch	Monte San Angelo
<i>Vicia cracca</i>	Tufted Vetch	Pilgrim's Path
<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
<i>Fagus sylvatica</i>	Beech	Foresta Umbra, Bosco Quarto
<i>Quercus coccifera</i>	Kermes Oak	Bosco Quarto
<i>Quercus ilex</i>	Holm Oak	Bosco Quarto
<i>Quercus pubescens</i>	Downy Oak	Monte San Angelo
<b>Fumariaceae</b>	<b>Fumitory Family</b>	
<i>Corydalis solida</i>	Bird-in-a-bush	Bosco Quarto
<i>Fumaria capreolata</i>	Tall Ramping Fumitory	Roadsides, hedgerows
<i>Fumaria officinalis</i>	Common Fumitory	Roadsides, hedgerows
<b>Gentianaceae</b>	<b>Gentian Family</b>	
<i>Blackstonia perfoliata</i>	Yellow Wort (leaves only)	Pilgrim's Path

Scientific name	Common name	Habitat/location/most frequent site
<b>Geraniaceae</b>	<b>Crane's-bill Family</b>	
<i>Erodium ciconium</i>	Stork's-bill sp	Monte San Angelo
<i>Erodium cicutarium</i>	Common Storks-bill	Monte San Angelo
<i>Erodium malacoides</i>	Mallow-leaved Storks-bill	Monte San Angelo, Pulsano Monastery
<i>Geranium columbinum</i>	Long-stalked Cranesbill	Hedgerows, shady places
<i>Geranium dissectum</i>	Cut-leaved Cranesbill	Roadsides, hedgerows
<i>Geranium lucidum</i>	Shining Cranesbill	Pilgrim's Path
<i>Geranium molle</i>	Dove's-foot Cranesbill	Grassy areas, roadsides
<i>Geranium purpureum</i>	Little Robin	Pilgrim's Path
<i>Geranium robertianum</i>	Herb Robert	Roadsides, hedgerows, shady places
<i>Geranium sanguineum</i>	Bloody Cranesbill	Monte Sacro
<b>Lamiaceae (Labiatae)</b>	<b>Deadnettle Family</b>	
<i>Ajuga chamaepitys</i>	Ground Pine	Monte San Angelo, Monte Sacro
<i>Ajuga genevensis</i>	Blue Bugle	Bosco Quarto
<i>Clinopodium acinos</i>	Basil-thyme	Open, stony areas, rocks
<i>Lamium bifidum</i>	Deadnettle sp	Bosco Quarto
<i>Lamium garganicum</i>	Large Red Deadnettle	Monte San Angelo, Pilgrim's Path
<i>Lamium maculatum</i>	Spotted Deadnettle	Bosco Quarto
<i>Marrubium vulgare</i>	White Horehound	Roadsides, sunny open areas
<i>Origanum vulgare</i>	Oregano	Open, stony areas, rocks, sunny places
<i>Prasium majus</i>	Prasium	Monte Sacro, Monte Saraceno
<i>Prunella vulgaris</i>	Selfheal	Bosco Quarto, Foresta Umbra
<i>Rosmarinus officinalis</i>	Rosemary	Monte San Angelo, Monte Sacro
<i>Salvia argentea</i>	Silver Sage	Pulsano Monastery
<i>Salvia verbenaca</i>	Wild Clary	Monte San Angelo, Monte Sacro
<i>Satureja hortensis</i>	Summer Savory	Monte Sacro
<i>Sideritis syriaca</i>	Syrian Sideritis	Monte San Angelo
<i>Stachys Cretica</i>	Mediterranean Woundwort	Monte San Angelo
<i>Thymus capitatus</i>	Thyme	Widespread, stony areas
<b>Linaceae</b>	<b>Flax Family</b>	
<i>Linum bienne</i>	Pale Flax	Roadsides, waste places
<i>Linum narbonense</i>	Beautiful Flax	Pulsano Monastery
<i>Linum catharticum</i>	Purging or Fairy Flax	Monte Sacro
<b>Malvaceae</b>	<b>Mallow Family</b>	
<i>Malva sylvestris</i>	Common Mallow	Monte San Angelo, roadsides,
<b>Moraceae</b>	<b>Fig Family</b>	
<i>Ficus carica</i>	Fig	Pulsano Monastery, gardens, towns
<b>Oleaceae</b>	<b>Olive Family</b>	
<i>Fraxinus ornus</i>	Flowering Ash	Roadsides, gardens, cultivated areas
<i>Ligustrum vulgare</i>	Privet	Roadsides, scrub
<i>Olea europaea</i>	Olive	Extensively cultivated
<b>Orobanchaceae</b>	<b>Broomrape Family</b>	
<i>Orobanche amethystea</i>	Amethyst Broomrape	Pulsano Monastery, Monte Sacro
<i>Orobanche ramosa</i>	Branched Broomrape	Bosco di Spinapuci
<i>Orobanche caryophyllacea</i>	Clove-scented Broomrape	Pulsano Monastery
<i>Orobanche purpurea</i>	Yarrow Broomrape	Monte Sacro

Scientific name	Common name	Habitat/location/most frequent site
<b>Paeoniaceae</b> <i>Paeonia mascula</i>	<b>Peony Family</b> Wild Peony	Bosco Quarto, Foresta Umbra
<b>Papaveraceae</b> <i>Chelidonium majus</i> <i>Papaver hybridum</i> <i>Papaver rhoeas</i>	<b>Poppy Family</b> Greater Celandine Rough Poppy Common Poppy	Foresta Umbra Widespread, cultivated areas Widespread, cultivated areas
<b>Plantaginaceae</b> <i>Plantago arenaria</i> <i>Plantago lagopus</i> <i>Plantago lanceolata</i> <i>Plantago maritima</i> <i>Plantago seraria</i>	<b>Plantain Family</b> Branched Plantain Hare's-foot Plantain Ribwort Plantain Sea Plantain Med'n Buck's-horn Plantain	Stony ground, hillsides Bosco Quarto, stony areas Roadsides, cultivated areas Monte Saraceno, Peschici Monte Saraceno, Peschici
<b>Plumbaginaceae</b> Limonium (oleifolium)	<b>Thrift Family</b> a Rock Sea-Lavender	Peschici Harbour and coastal rocks
<b>Polygalaceae</b> <i>Polygala nicaeensis</i>	<b>Milkwort Family</b> Nice Milkwort	Monte San Angelo, Monte Sacro
<b>Polygonaceae</b> <i>Rumex acetosa</i> <i>Rumex obtusifolius</i>	<b>Knotweed Family</b> Common Sorrel Broad-leaved Dock	Monte Sacro Widespread, roadsides, waste places
<b>Primulaceae</b> <i>Anagallis arvensis</i> <i>Cyclamen hederifolium</i> <i>Cyclamen repandum</i>	<b>Primrose Family</b> Scarlet Pimpernel (blue and red) Ivy-leaved Sowbread Spring Cyclamen	Widespread, waste places, roadsides Foresta Umbra, Bosco Quarto Foresta Umbra, Bosco di Spinapuci
<b>Ranunculaceae</b> <i>Anemone appenina</i> <i>Anemone hortensis</i> <i>Clematis sp</i> <i>Nigella damascina</i> <i>Ranunculus arvensis</i> <i>Ranunculus ficaria</i> <i>Ranunculus millefoliatus</i> <i>Ranunculus peltatus</i> <i>Ranunculus sceleratus</i> <i>Ranunculus velutinus</i>	<b>Buttercup Family</b> Blue Anemone Mauve' Anemone Wild Clematis Love-in-a-mist Corn Buttercup Lesser Celandine Fine-leaved' Buttercup Pond Water-crowfoot Celery-leaved Buttercup Hairy' Buttercup	Foresta Umbra, Bosco Quarto Foresta Umbra, Bosco Quarto Foresta Umbra Fly-tip stop, roadsides Widespread, cultivated areas Bosco Quarto Monte San Angelo Piscina Pantolfe Piscina Pantolfe Bosco Quarto
<b>Resedaceae</b> <i>Reseda alba</i> <i>Reseda lutea</i> <i>Reseda phyteuma</i>	<b>Mignonette Family</b> White Mignonette Wild Mignonette Corn Mignonette	Monte San Angelo Pulsano Monastery Pulsano Monastery
<b>Rhamnaceae</b> <i>Paliurus spina-christi</i> <i>Rhamnus alaternus</i>	<b>Buckthorn Family</b> Christ's Thorn Mediterranean Buckthorn	Bosco di Spinapuci Bosco di Spinapuci
<b>Rosaceae</b> <i>Aremonia agrimonioides</i>	<b>Rose Family</b> Bastard Agrimony	Bosco Quarto

Scientific name	Common name	Habitat/location/most frequent site
<i>Crataegus monogyna</i>	Hawthorn	Widespread, hillsides, scrub
<i>Cydonia oblonga</i>	Quince	Cultivated areas
<i>Filipendula vulgaris</i>	Dropwort	Monte San 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
<i>Prunus spinosa</i>	Blackthorn	Monte Sacro
<i>Pyrus amygdaliformis</i>	Almond-leaved Pear	Pulsano Monastery
<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 Spinapuci
<i>Sanguisorba verrucosum</i>	Mediterranean Salad Burnet	Monte San Angelo
<i>Sorbus aucuparia</i>	Mountain Ash/Rowan	Monte San Angelo
<i>Sorbus torminalis</i>	Wild Service Tree	Bosco Quarto
<b>Rubiaceae</b>	<b>Bedstraw Family</b>	
<i>Asperula arvensis</i>	Blue Woodruff	Bosco Quarto
<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 San Angelo
<i>Rubia peregrina</i>	Wild Madder	Monte Sacro
<i>Sherardia arvensis</i>	Field Madder	Widespread and frequent
<b>Rutaceae</b>	<b>Rue Family</b>	
<i>Ruta chalapensis</i>	Fringed Rue (leaves only)	Bosco di Spinapuci
<b>Saxifragaceae</b>	<b>Saxifrage Family</b>	
<i>Saxifraga bulbifera</i>	Bulbous Saxifrage	Bosco Quarto
<i>Saxifraga granulata</i>	Meadow Saxifrage	Bosco Quarto
<i>Saxifraga rotundifolia</i>	Round-leaved Saxifrage	Foresta Umbra
<i>Saxifraga tridactylites</i>	Rue-leaved Saxifrage	Monte Sacro, Pulasano Monastery
<b>Scrophulariaceae</b>	<b>Figwort Family</b>	
<i>Antirrhinum siculum</i>	Sicilian Snapdragon	Bosco di Spinapuci
<i>Bellardia trixago</i>	Bellardia	Monte Saraceno
<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 Spinapuci
<i>Parentucellia latifolia</i>	Southern Red Bartsia	Bosco di Spinapuci
<i>Scrophularia peregrina</i>	Italian or Nettle-leaved Figwort	Bosco di Spinapuci
<i>Verbascum phoenicium</i>	Purple Mullein	Bosco di Spinapuci, roadside stop
<i>Verbascum thapsus</i>	Aaron's Rod, Yellow Mullein	Roadsides, widespread
<i>Veronica hederifolia agg</i>	Ivy-leaved Speedwell	Pilgrim's Path, Bosco Quarto
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	Bosco Quarto
<b>Thymelaeaceae</b>	<b>Daphne Family</b>	
<i>Daphne laureola</i>	Spurge Laurel	Bosco Quarto, Foresta Umbra

Scientific name	Common name	Habitat/location/most frequent site
<b>Ulmaceae</b> <i>Ulmus sp</i>	<b>Elm Family</b> Elm sp	Pilgrim's Path
<b>Urticaceae</b> <i>Parietaria judaica</i> <i>Urtica dioica</i> <i>Urtica pilulifera</i>	<b>Nettle Family</b> Pellitory-of-the-wall Stinging Nettle Roman Nettle	Pulsano Monastery Roadsides, waste places Pulsano Monastery
<b>Valerianaceae</b> <i>Centranthus ruber</i> <i>Valeriana tuberosa</i> <i>Valerianella sp</i>	<b>Valerian Family</b> Red Valerian Valerian - flower buds only Cornsalad sp	Widespread, walls, roadsides Foresta Umbra Widespread, open sunny areas
<b>Violaceae</b> <i>Viola arvensis</i> <i>Viola heterophylla ssp graeca</i> <i>Viola riviniana</i>	<b>Violet Family</b> Field Pansy Wild Pansy* <i>endemic</i> Common Dog Violet	Bosco Quarto Bosco Quarto Foresta Umbra
<b>Vitaceae</b> <i>Vitis vinifera</i>	<b>Grape-vine Family</b> Grape	Extensively cultivated
<b>LILIIDAE</b>	<b>MONOCOTYLEDONS</b>	
<b>Agavaceae</b> <i>Agave americana</i>	<b>Agave Family</b> Agave or Century Plant	Cultivated areas
<b>Araceae</b> <i>Arum italicum ssp italicum</i>	<b>Arum Family</b> Large Cuckoo Pint	Woods, shady places, widespread
<b>Cyperaceae</b> <i>Carex caryophyllaceae</i> <i>Carex echinata</i> <i>Carex sylvatica</i>	<b>Sedge Family</b> Spring Sedge Star Sedge Wood Sedge	Monte San Angelo Foresta Umbra Bosco Quarto, Foresta Umbra
<b>Dioscoreaceae</b> <i>Tamus communis</i>	<b>Black Bryony Family</b> Black Bryony	Foresta Umbra
<b>Iridaceae</b> <i>Gladiolus italicus</i> <i>Hermodactylus tuberosus</i> <i>Iris foetidissima</i> <i>Iris lutescens</i> <i>Iris pseudopumila</i>	<b>Iris Family</b> Field Gladiolus Snake's-head Iris or Widow Iris Stinking Iris or Roast Beef Plant Yellow' Iris Bi-coloured' Iris	Bosco Quarto, cultivated areas Pulsano Monastery Foresta Umbra Monte San Angelo Bosco Quarto
<b>Juncaceae</b> <i>Luzula forsteri</i>	<b>Rush Family</b> Southern Wood-rush	Bosco Quarto
<b>Liliaceae</b> <i>Allium neapolitanum</i> <i>Allium nigrum</i> <i>Allium pendulinum</i> <i>Allium roseum</i> <i>Allium subhirsutum</i>	<b>Lily Family</b> Naples Garlic a wild Garlic Pendulous Garlic Rose Garlic Hairy Garlic	Bosco di Spinapuci Bosco di Spinapuci Bosco Quarto Bosco di Spinapuci Pulsano Monastery

Scientific name	Common name	Habitat/location/most frequent site
<i>Allium ursinum</i>	Ramsons	Foresta Umbra
<i>Asparagus sp</i>	wild Asparagus	Roadsides, widespread
<i>Asphodeline lutea</i>	Yellow Asphodel	Monte San Angelo
<i>Asphodelus aestivus</i>	Common Asphodel	Widespread
<i>Asphodelus fistulosus</i>	Hollow-leaved Asphodel	Pulsano Monastery
<i>Muscari comosum</i>	Tassel Hyacinth	Monte San Angelo
<i>Muscari neglecta</i>	Dark Grape Hyacinth	Monte San Angelo
<i>Narcissus poeticus</i>	Pheasant's-eye Daffodil	Bosco Quarto, Foresta Umbra
<i>Ornithogalum umbellatum</i>	Common Star of Bethlehem	Widespread
<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)	Monte Sacro
<b>Orchidaceae</b>	<b>Orchid Family</b>	
<i>Anacamptis pyramidalis</i>	Pyramidal Orchid	Monte San Angelo
<i>Cephalanthera longifolia</i>	Sword-leaved Helleborine	Monte Sacro
<i>Dactylorhiza fuchsii</i>	Common Spotted Orchid	Bosco Quarto
<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 San Angelo
<i>Himantoglossum (Barlia) robertianum</i>	Giant Orchid	Monte San Angelo
<i>Ophrys apulica</i>	Apulian Ophrys* <i>endemic</i>	Monte San Angelo, Monte Sacro
<i>Ophrys bertoloniformis</i>		Monte San Angelo
<i>Ophrys bertolonii</i>	Bertoloni's Bee Orchid	Monte San Angelo
<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 San Angelo
<i>Ophrys fusca</i>	Dull Ophrys	Monte San Angelo
<i>Ophrys (passionis) garganica</i>	<i>an endemic</i>	Monte San Angelo
<i>Ophrys incubacea</i>	Dark Ophrys	Monte San Angelo
<i>Ophrys lutea</i>	Yellow Ophrys	Monte San Angelo
<i>Ophrys phryganae</i>	a 'yellow' Ophrys	Monte San Angelo
<i>Ophrys promontorii</i>	<i>an endemic</i>	Monte San Angelo
<i>Ophrys sicula</i>	a 'yellow' Ophrys	Monte San Angelo
<i>Ophrys sipontensis</i>	<i>an endemic</i>	Monte San Angelo
<i>Ophrys tenthredinifera</i>	Sawfly Ophrys	Monte Sacro
<i>Orchis (Aceras) anthropophora</i>	Man Orchid	Monte San Angelo, Monte Sacro
<i>Orchis fragrans</i>	Bug Orchid	Monte San Angelo
<i>Orchis intacta (Neotinea maculata)</i>	Dense-flowered Orchid	Monte San Angelo, Pilgrim's Path
<i>Orchis italica</i>	Naked Man Orchid	Monte San Angelo, Monte Sacro
<i>Orchis lactea</i>	Milky Orchid	Monte San Angelo
<i>Orchis morio</i>	Green Winged Orchid	Monte San Angelo, Bosco Quarto
<i>Orchis papilionacea</i>	Pink Butterfly Orchid	Monte San Angelo, Bosco Quarto
<i>Orchis pauciflora</i>	Sparse-flowered Orchid	Monte Sacro
<i>Orchis picta</i>		Monte San Angelo
<i>Orchis provincialis</i>	Provence Orchid	Bosco Quarto
<i>Orchis purpurea</i>	Lady Orchid	Monte San Angelo, Bosco Quarto
<i>Orchis quadripunctata</i>	Four-spotted Orchid	Monte Sacro
<i>Orchis tridentata</i>	Toothed Orchid	Bosco Quarto
<i>Orchis ustulata</i>	Burnt-tip Orchid	Monte Sacro, Bosco di Spinapuci
<i>Serapias cordigera</i>	Heart-flowered Tongue Orchid	Bosco di Spinapuci
<i>Serapias lingua</i>	Tongue Orchid	Bosco Quarto
<i>Serapias parviflora</i>	Small-flowered Tongue Orchid	Fly-tip stop



Scientific name	Common name	Habitat/location/most frequent site
<i>Serapias vomeracea</i>	Plough-share Tongue Orchid	Monte San Angelo

**Hybrids included some of the following:***Orchis morio* x *Orchis papilionacea**Orchis pauciflora* x *Or. Quadripunctata***Poaceae***Aegilops geniculata**Arundo donax**Anthoxanthum odoratum**Aira caryophyllea**Avena barbata**Briza maxima**Bromus hordaceus**Catapodium rigidum**Festuca vivipara**Hordeum murinum**Lagurus ovatus**Melica uniflora**Stipa pennata***Grass Family**

Aegilops

Giant Reed

Sweet Vernal Grass

Silver Hair Grass

Bristle Oat

Large Quaking Grass

Soft Brome

Fern Grass

Viviparous Fescue

Wall Barley

Hare's-foot Grass

Wood Melick

Feather Grass sp

Widespread

Mainly coastal

Widespread

Bosco di Spinapuci

Roadsides, dry areas

Monte Sacro

Roadsides, dry areas

Pulsano Monastery

Bosco Quarto

Monte San Angelo

Monte San Angelo

Bosco Quarto, Foresta Umbra

Monte Saraceno

**FUNGI***Calocybe gambosa**Pluteus (cervinus)**Coprinus* sp*Schizophyllum commune**Polyporus* sp*Morchella esculenta**Morchella elata*

St George's Mushroom

(Deer) Shield Fungus

Ink-cap sp

Split-gill

Polypore/Bracket fungus

Morel

Morel sp (dark in colour)

Bosco Quarto

Bosco Quarto

Bosco Quarto

Bosco Quarto

Bosco Quarto

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**Lichens***Lobaria pulmonaria*

Tree Lungwort

Foresta Umbra

**Birds (h = heard only)**

	Common name	Scientific name	April/May								
			27	28	29	30	1	2	3	4	
1	Scopoli's Shearwater	<i>Calonectris diomedea diomedea</i>									1
2	Little Egret	<i>Egretta garzetta</i>	1								
3	Greater Flamingo	<i>Phoenicopterus ruber</i>	200								
4	Marsh Harrier	<i>Circus aeruginosus</i>	4		8	5	1			3	4
5	Montagu's Harrier	<i>Circus pygargus</i>		2	1						1
6	Common Buzzard	<i>Buteo buteo</i>	1	1	3	2				3	
7	Common Kestrel	<i>Falco tinnunculus</i>	6	3	2	1		2	2	2	1
8	Red-footed Falcon	<i>Falco verspetinus</i>	1	1	2	1				10	1
9	Eurasian Hobby	<i>Falco subbuteo</i>								2	
10	Common Quail	<i>Coturnix coturnix</i>	1h					1h			
11	Common Moorhen	<i>Gallinula chloropus</i>	1								
12	Pied Avocet	<i>Recurvirostra avosetta</i>	10+								
13	Black-winged Stilt	<i>Himantopus himantopus</i>	15								
14	Wood Sandpiper	<i>Tringa glareola</i>			2						

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			27	28	29	30	1	2	3	4	
15	Common Sandpiper	<i>Actitis hypoleuca</i>								5	
16	Ruff	<i>Philomachus pugnax</i>	20								
17	Common Greenshank	<i>Tringa nebularia</i>	1								
18	Black-headed Gull	<i>Larus ridibundus</i>	1								
19	Slender-billed Gull	<i>Larus genei</i>	15								
20	Mediterranean Gull	<i>Larus melanocephalus</i>	100			12					
21	Yellow-legged Gull	<i>Larus cachinnans</i>	100			15	8	10	100	100	
22	Lesser Black-backed Gull	<i>Larus fuscus</i>				3					
23	Little Tern	<i>Sternula albifrons</i>	6								
24	Gull-billed Tern	<i>Gelochelidon nilotica</i>	20								
25	Feral Pigeon	<i>Columba livia</i>	1			1		2	8	5	
26	Common Wood Pigeon	<i>Columba palumbus</i>		2	6	4	4	3	3		
27	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2			5		4	4	2	
28	European Turtle Dove	<i>Streptopelia turtur</i>				1			3		
29	Common Cuckoo	<i>Cuculus canorus</i>		1h	2h	2h	1h		1h		
30	Little Owl	<i>Athene noctua</i>	1		1						
31	Eurasian Scops Owl	<i>Otus scops</i>				1h	1h				
32	Common Swift	<i>Apus apus</i>	20	10	50	50	50	100	100	50	
33	Alpine Swift	<i>Apus melba</i>				2	2	8	25	25	
34	Eurasian Hoopoe	<i>Upupa epops</i>		1	1	2	1	1			
35	European Bee-eater	<i>Merops apiaster</i>					8	h	h		
36	European Green Woodpecker	<i>Picus viridis</i>					1h		1h		
37	Great Spotted Woodpecker	<i>Dendrocopos major</i>			2						
38	Lesser Spotted Woodpecker	<i>Dendrocopos minor</i>			1						
39	Wryneck	<i>Jynx torquilla</i>							1h		
40	Crested Lark	<i>Galerida cristata</i>	2	4	1	1	3			4	
41	Woodlark	<i>Lullula arborea</i>		5		3	2				
42	Calandra Lark	<i>Melanocorypha calandra</i>	2								
43	Short-toed Lark	<i>Calandrella brachydactyla</i>	3								
44	Barn Swallow	<i>Hirundo rustica</i>	50	30	30	20	12	25	20	15	
45	Red-rumped Swallow	<i>Hirundo daurica</i>				1					
46	Common House Martin	<i>Delichon urbica</i>		10	1			100	100	30	
47	Tawny Pipit	<i>Anthus campestris</i>		1			1				
48	Tree Pipit	<i>Anthus trivialis</i>		8	1	1					
49	White Wagtail	<i>Motacilla alba</i>		1	1	1	1	3	1		
50	Yellow (Ashy-headed) Wagtail	<i>Motacilla flava cinereocapilla</i>			2		1		5		
51	Winter Wren	<i>Troglodytes troglodytes</i>		1	6	3	3	15	1		
52	Robin	<i>Erithacus rubecula</i>			5	4	1	10			
53	Common Nightingale	<i>Luscinia megarhynchos</i>			12		2	1	1	1	
54	Common Redstart	<i>Phoenicurus phoenicurus</i>				1	1	1			
55	Northern Wheatear	<i>Oenanthe oenanthe</i>		2		1	2	2			
56	Black-eared Wheatear	<i>Oenanthe hispanica</i>		3		1	1	1			
57	Whinchat	<i>Saxicola rubetra</i>	1	1	10	1	1	1	8	2	
58	Common Stonechat	<i>Saxicola torquata</i>		10	5	2	4	2	1		
59	Blue Rock Thrush	<i>Monticola solitarius</i>					1			2	
60	Song Thrush	<i>Turdus philomelos</i>			1			2			
61	Common Blackbird	<i>Turdus merula</i>		1	12	5	3	25			
62	Blackcap	<i>Sylvia atricapilla</i>		3	30	15	10	30	8		
63	Sardinian Warbler	<i>Sylvia melanocephala</i>		4		5		8	5	3	
64	Spectacled Warbler	<i>Sylvia conspicillata</i>		1			1				
65	Common Whitethroat	<i>Sylvia communis</i>		1	3	10	1	5	2	5	

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			27	28	29	30	1	2	3	4
66	Subalpine Warbler	<i>Sylvia cantillans</i>		5	3	8	4	6	10	
67	Sedge Warbler	<i>Acrocephalus schoenobaenus</i>								
68	Zitting Cisticola	<i>Cisticola juncidis</i>	5							
69	Cetti's Warbler	<i>Cettia cetti</i>	1h					1h	1h	
70	Great Reed Warbler	<i>Acrocephalus arundinaceus</i>							1	1
71	Icterine Warbler	<i>Hippolais icterina</i>								2
72	Wood Warbler	<i>Phylloscopus sibilatrix</i>			1					
73	Willow Warbler	<i>Phylloscopus trochilus</i>								2
74	Chiffchaff	<i>Phylloscopus collybita</i>			2h	1h		1h		
75	Firecrest	<i>Regulus ignicapillus</i>			8		1	5		
76	Spotted Flycatcher	<i>Muscicapa striata</i>						1	1	3
77	European Pied Flycatcher	<i>Ficedula hypoleuca</i>							1	
78	Great Tit	<i>Parus major</i>	1	5	10	6	4	4	5	
79	Blue Tit	<i>Cyanistes caeruleus</i>			10		1	3	3	
80	Marsh Tit	<i>Poecile palustris</i>			2			1		
81	Long-tailed Tit	<i>Aegithalos caudatus</i>			3		2	2	h	
82	Eurasian Nuthatch	<i>Sitta europaea</i>			1	2		2		
83	Short-toed Treecreeper	<i>Certhia brachydactyla</i>			3		1	1		
84	Woodchat Shrike	<i>Lanius senator</i>		2	1					
85	Common Magpie	<i>Pica pica</i>	25	15	8	15	12	10	10	20
86	Eurasian Jay	<i>Garrulus glandarius</i>		1	2	5	6		5	
87	Western Jackdaw	<i>Corvus monedula</i>		12	5	5	8	12	10	5
88	Hooded Crow	<i>Corvus corone cornix</i>	3	6	15	10	10	15	20	10
89	Common Raven	<i>Corvus corax</i>		3		1	1		1	
90	Common Starling	<i>Sturnus vulgaris</i>	6				2			2
91	Golden Oriole	<i>Oriolus oriolus</i>			2h	1h			2h	
92	Italian House Sparrow	<i>Passer domesticus italiae</i>	10	50	30	30	25	50	50	30
93	Spanish Sparrow	<i>Passer hispaniolensis</i>						2	15	
94	Eurasian Tree Sparrow	<i>Passer montanus</i>						8	10	2
95	Rock Sparrow	<i>Petronia petronia</i>					1			
96	Common Chaffinch	<i>Fringilla coelebs</i>		2	15	5	5	12		
97	Hawfinch	<i>Coccothraustes coccothraustes</i>		2	3					
98	Common Linnet	<i>Carduelis cannabina</i>		10	5	2	5	6		
99	European Goldfinch	<i>Carduelis carduelis</i>		8	5	10	5	12	10	8
100	European Greenfinch	<i>Carduelis chloris</i>			2	1				2
101	European Serin	<i>Serinus serinus</i>	5	20	10	20	15	15	10	
102	Cirl Bunting	<i>Emberiza cirlus</i>		10	10	10	10	6	2	
103	Corn Bunting	<i>Miliaria calandra</i>	10	5	12	2	6		1	1

## Mammals

Weasel

## Reptiles

Green Lizard, Common Wall Lizard, Italian Wall Lizard, Three-toed Skink, Slow Worm, Moorish Gecko and Four-lined Snake

## Amphibians

Agile Frog

## Butterflies

Grizzled Skipper, Common Swallowtail, Scarce Swallowtail, Southern Festoon, Cleopatra, Brimstone, Clouded Yellow, Berger's Clouded Yellow, Large White, Small White, Orange Tip, Eastern Dappled White, Wood White, Green Hairstreak, Small Copper, Brown Argus, Little Blue, Green-underside Blue, Common Blue, Adonis Blue, Painted Lady, Red Admiral, Small Tortoiseshell, Large Tortoiseshell, Glanville Fritillary, Spotted Fritillary, Speckled Wood, Wall Brown and Small Heath

## Other notable Invertebrates

Nine-spotted Moth, Brown-tailed Moth, Egyptian Grasshopper, Field Cricket, Mole Cricket (heard only), Ascalaphid sp., Tawny Mining Bee, Violet Carpenter Bee, Garden Chafer, Rose Chafer, Dung Beetle, Oil Beetle, Scorpion (*Euscorpis flavicaudis*) and Scolopendra Centipede.