Puglia in Spring

Naturetrek Tour Report

6th - 16th April 2022



Italian Wall Lizard



Anemones and Orchids



Orchid rich meadow

Tour report by Jessica Turner and Paul Harmes, images by Jessica Turner



Naturetrek Mingledown Barn Wolf's Lane

Chawton

Alton

Hampshire

GU34 3HJ

UK

T: +44 (0)1962 733051

E: info@naturetrek.co.uk

W: www.naturetrek.co.uk

Tour Participants: Jessica Turner and Paul Harmes (leaders) with nine Naturetrek clients

Summary

It was a joy to return to Puglia after two years away due to the pandemic. The long, cold spring meant it was a very late season for the flowers, with fewer orchids out, and early-flowering species such as Giant and Milky Orchids and irises still flowering well. The weather also affected the birds and insects, but we still saw a good number of Marsh Harriers, a few Montagu's Harriers, Pied and Collared Flycatchers. The Lesser Kestrels were a delight, especially over the caves and buildings of Matera. The sheer abundance, together with the range and diversity of orchids was breath-taking, and we also enjoyed a good range of other Mediterranean spring flowers, many localised to Puglia or with a peri -Adriatic distribution such as the maroon-flowered Figwort *Scrophularia lucida* and the blue spikes of the bellflower *Asyneuma limonifolium* by Capo d'Otranto and at Laterza. The Western Green Lizard basking in Bosco delle Pianelle was a highlight for several folk, and we enjoyed the range of habitats, wildlife and cultural interest.

Jessica and Paul would like to thank the group members for their parts in making a very successful week.

Day 1

Saturday 9th April

Gatwick to Bari; transfer to Otranto

Six group members met with Jessica and Paul at Gatwick Airport's North Terminal on an Easyjet 8.40am flight to Bari, where we met with the remaining three, who had flown out the day before. The luggage was stowed in the minibuses, and we were soon on our way south-east along the coast. Our route followed the 'Adriatic highway' past Brindisi, and we enjoyed the Crown Daisies (*Glebionis coronarium*) along the route. As well as the common Magpies and Collared Doves, we noted a few Swallows and plenty of Common Kestrels. We took a break at service station on the Brindisi ring road, where we saw a probable Marsh Harrier. As we drove south, through the extensive Olive groves, we could see how many have succumbed to the devastating bacterial infection *Xylella fastidiosa* that is destroying the area's Olives, although it was good to see some groves replanted, presumably with a resistant strain of Olive. Folk in each minibus had glimpses of different Hoopoes flying across in front.

Moving on, we skirted Lecce and Otranto, following the road along the coast past the lighthouse at Capo d'Otranto. We were soon at the Masseria Panareo, our base for the first three nights, where we received a very warm welcome and settled into our rooms. This delightful hotel is a converted fortified farmhouse, with views across to the sea. After a short break, we met in the bar while Jessica outlined some of the plans for the following day, before enjoying a delicious dinner. As we retired to bed, Scops Owl was calling from the surrounding trees.

Day 2

Sunday 10th April

Capo d'Otranto; Otranto area

We woke to a fine but windy morning, and some of the group were up early to explore the environs of the hotel, accompanied by the cheerful chirping of the many Italian Sparrows that inhabit the palm trees near the rooms.

Other birds seen included Common Buzzard, Crested Lark (the southern Italian subspecies *apuliae*), a Woodlark, which gave great views, Serin and a fly-over Yellow Wagtail. A moth on the wall of the accommodation block was the Annulet type *Charissa staudingeri*, more usually recorded from Greece.

After an excellent breakfast, we set off to explore the local area, retracing our route of the previous evening. As we drove along the minor road, two large birds flying off the sea were seen to be White Storks. We stopped quickly to watch as one flew extremely low over our heads – wonderful!

We stopped on top of a small limestone ridge, with views over the sea, near the Capo d'Otranto. Corn Buntings were singing, with their characteristic 'jangling keys' song, and we had good views of one perched on a scrubby tree. The wind was strong, but in the course of a couple of hours we had some great sightings of several Marsh Harriers, Montagu's Harriers (ring-tail), some we couldn't see well enough to identify, lots of Lesser Kestrels, Common Buzzard, Sparrowhawk, Hobby, a couple of Alpine Swifts, Common Swifts, Swallows and House Martins, flying along the ridge. The strong wind did make viewing challenging at times and was not great for smaller birds, but we saw a lovely Woodlark and an Eastern Black-eared Wheatear.

Shrubby Thyme (*Thymus capitatus*) was very aromatic, Jerusalem Sage (*Phlomis fruticosa*) was flowering well, and we soon started seeing orchids, including several Pyramidal Orchids (*Anacamptis pyramidalis*), Sawfly Orchids (*Ophrys tenthredinifera*), Pink Butterfly Orchids (*Anacamptis papilionacea*), and both Yellow Bee Orchids *Ophrys lutea* subsp. *lutea* and subsp. *galilea*, the latter having a narrower yellow lip band and brown 'bunny-ears'. A spike of *Neotinea lactea* still flowering indicated a late season as this has usually finished flowering by now. Other plants included the Lupin *Lupinus gussonei*, dark blue Tassel Hyacinth (*Muscari comosum*), tiny rosettes of Evax (*Filago pygmaea*), and numerous vetches, including the beautiful dark-red Asparagus Pea (*Lotus tetragonolobus*). As we were returning to the minibuses, we found a single spike of the bellflower *Asyneuma limonifolium*, which is special to Puglia within Italy, but which also occurs across the Adriatic. We had some nice views of basking, bright-green Italian Wall Lizards, and Giant Centipedes were sheltering under boulders and scrap material.

Eventually, we moved on, but only as far as the Punta Palascia lighthouse at Capo d'Otranto. This is the most easterly point of mainland Italy, closer to the Albanian coast and Corfu than Naples, and is the point where the Adriatic Sea is said to join the Ionian Sea. It was noted that some mobile phones welcomed us to Greece and Albania! We started to walk down the path towards the lighthouse, noting the fragrant leaves of Myrtle (Myrtus communis), Lentisk, also known as Mastic Bush (Pistacia lentiscus), and also the tiny holly-leaved Kermes Oak (Quercus coccifera). The striking Figwort Scrophularia lucida was growing on rocks, together with Prasium (Prasium majus) and Common Sideritis (Sideritis romana). A mystery plant (not in flower) was finally identified as the endemic Campanula versicolor. It was more sheltered from the wind, and we were able to watch Sardinian Warblers and Linnet, plus another Eastern Black-eared Wheatear near the lighthouse. An unexpected bird was a Collared Flycatcher, a passage migrant probably just off the sea. Insects included Wall Brown butterflies, Small Whites, the Carpenter Bee Xylocopa iris, and Black Mining Bees. Out to sea, all was very quiet.

Eventually, we returned to the hotel for our picnic, opting to eat it on the terrace, where the sun was warm and there was some shelter from the wind. We enjoyed a delicious lunch, including local cheeses from the next-door farm, and wine. Suitably refreshed and after a break, we then drove north to Otranto, one minibus having lovely views of the local Hoopoe. We took the road to the port, parking on the edge of the old town and taking time to explore its narrow streets, and Cathedral with a fascinating twelfth-century mosaic floor representing the tree of life. The Aragonese castle was closed, but there was access to the old town walls, some of which had bright

clumps of the stock *Matthiola incana*. Audouin's Gulls were seen in the harbour. We met back at 5pm for the short journey back.

After a break, we met to do our lists before another delicious meal, and after an excellent first day. The Scops Owl was calling again in the night.

Day 3

Monday 11th April

Le Cesine and the coast road

We woke to another fine morning, with a fresh breeze, lighter than on Sunday. Those out early saw, among other species, a couple of Northern Wheatears and a Small Heath butterfly. Jessica, en route to the supermarket noted a very sandy-coloured Black-eared Wheatear (possibly a Western one?) and a Red Fox.

Our main destination today was the area of Le Cesine, with its Olive groves, lakes, evergreen woodland and sand dunes. This lies further up the coast, so we retraced our steps past Capo d'Otranto. Roadworks with diversions made the journey a little slower than usual, but we enjoyed the amazing colour of the sea in the morning sun. A couple of Hoopoes were seen en route.

We reached Le Cesine and parked on a closed-off section of road, admiring the swathes of the endemic Stork's-bill Erodium nervulosum, with its showy pink flowers, and numerous spikes of Early Spider Orchid (Ophrys sphegodes). The shrubs included pink Cistus creticus, white Sage-leaved Cistus (Cistus salvifolius), not yet really out, Mediterranean Buckthorn (Rhamnus alaternus) and Lentisk, while the yellow-flowered Blue Wattles (Acacia saligna), although not native, were flowering well. There were bright patches of the endemic Rock-rose Helianthemum jonium, with narrower leaves than the usual species, and Eastern Bath Whites were in flight. Goldfinches were flitting around, Western Bonelli's Warbler was singing in the Aleppo Pines (Pinus halepensis), and we soon heard Nightingale, with some also having good views of a Cuckoo.

We paused at a marshy area to listen to frogs calling, finding Lesser Emperor dragonflies patrolling and Bluetailed Damselflies. Female Brimstone/ Cleopatra butterflies were seen, plus a Ruby Tiger moth. The path then goes through the WWF reserve, where entry is not permitted on either side, but access is allowed through to the sea. We followed it through dense woodland of Aleppo Pine, Eucalyptus and Evergreen Oak (Quercus ilex), noting Ivy (Hedera helix) and Smilax (Smilax aspera) among the tangled undergrowth. We also found the strange and beautiful Red Box Fungus (Clathrus ruber).

Further on, the path went between two lakes, where we saw three European Pond Terrapin on a branch in the water and large numbers of Coot. Two Squacco Herons were on a bank and others were in flight. Little and Great Crested Grebes and Mallard were added. Two waders were feeding on the far shore, identified as Wood Sandpipers and flocks of Yellow Wagtails flew over and in, and we were able to see the ashy head of some of them, the Italian race *cinereocapilla*. Overhead, Sand Martins mixed with Swallows and House Martins, and Marsh Harriers quartered the reed beds.

The path had carried large puddles (one with an Italian Tree Frog and another with a tiny baby Terrapin) but here it became impassable, so we needed to turn round and retrace our steps; access to the sea is generally only possible in summer. We were surprised not to see any orchids in flower this year, but careful searching revealed one spike of Bumblebee Orchid (*Ophrys bombyliflora*), with one flower nearly open: again, signs of a late season.

We had our picnic in the Olive groves, noting sadly, that most of the trees were mainly dead but with healthy bushy growth at the base. A pair of Red-rumped Swallows flew overhead. We then spent time exploring the groves further, enjoying golden Corn Marigold (*Glebionis segetum*) and scarlet Common Poppies (*Papaver rhoeas*), Reversed Clover (*Trifolium resupinatum*), Branched Broomrape (*Orobanche ramosa*), Sand Catchfly (*Silene conica*) and some very fresh Apulian Ophrys (*Ophrys fuciflora* subsp. *apulica*), amongst other plants. Butterflies included Adonis Blue, Cleopatra, Eastern Dappled White and Grizzled Skipper, all very fresh.

Returning south, we made a stop at and area of beach north of Torre Specchia, where we explored the road verge and the shore. On the sandy beach edge, we recorded Silene colorata, Cottonweed (Achillea, formerly Otanthus, maritima), Sea Stock (Matthiola sinuata), several flowers of the 'Afternoon Iris' Barbary Nut (Moraea sisyrinchium) and some fine and sturdy spikes of Common Broomrape (Orobanche minor). We also noted the strange balls (egagropili) which are composed of the compressed leaf-bases of the Neptune-grass (Posidonia oceanica). We also found a spike of Small-flowered Tongue Orchid (Serapias parviflora). Four Mediterranean Gulls flew north, and a very distant Scopoli's Shearwater was seen by some.

A final stop was just south of Torre dell'Orso, where we had noted an amazing pink field in the morning. This turned out to be *Hedysarum spinosissimum*, a Sainfoin, which also had spikes of Small-flowered Tongue Orchid and Rosy Garlic (*Allium roseum*) among it.

We arrived home at about 5.30pm and met to update our lists at 6.30, before another excellent meal, after which we thanked Alessandro, the owner / chef and Anna, his partner. The Scops Owls continued their chorus at night.

Day 4

Tuesday 12th April

4

Transfer to Parco delle Querce

Today we had to say goodbye to the Masseria Panareo and the Salento region of Puglia. We woke to a beautiful morning of blue skies and sun. The early birders saw a Eurasian Whimbrel in flight and also found Red Admiral and an extensive area of the red-flowered Pheasant-eye (*Adonis annua*). After breakfast, we said goodbye and loaded the vehicles, driving the short distance to look at the Pheasant's-eye and also Small-flowered Tongue Orchid and Cretan Hound's-tongue (*Cynoglossum creticum*) that were growing nearby. A Painted Lady was seen. We also stopped along the road to look at Spiny Spurge (*Euphorbia spinosa*), seeing a Marsh Harrier in flight.

We then drove north-west, round Lecce and Brindisi, turning south-west towards Taranto, with a break for coffee. Grey Heron and another harrier were seen en route. At Grottaglie we left the 'superstrada' to travel across country, following a ridge of hills with great views across the plains round Taranto with the snow-capped mountains of Monte Pollino and the Dolomiti Lucane in Basilicata in the distance. There were flowering trees of Almond-leaved Pear (*Pyrus spinosa*) and a few yellow bushes of Spiny Broom (*Callicotome infesta*) flowering along the way.

We reached our second hotel at 1pm, taking the long winding drive through the deciduous oak woodland, and we received a warm welcome from Katia. The hotel is another converted farmhouse, but this time incorporates 'trulli', the conical buildings so characteristic of this part of Puglia. The rooms are arranged around a courtyard, and we had time to settle in while Jessica and Paul prepared the picnic at the shaded courtyard tables. Afterwards we met to explore the hotel grounds, just walking out from the courtyard area.

Immediately we had a feast of colour and orchids! The area was bright with yellow Warty Cabbage (Bunias erucago) orange Field Marigolds, blue Dyer's Alkanet (Alkanna tinctoria) and Wild Clary (Salvia verbenaca) and starred with pink Anemone hortensis and white Star of Bethlehem (Ornithogalum exscapum). The grass was studded with Early Spider Orchids (Ophrys sphegodes), Bertoloni's Bee Orchids (Ophrys bertolonii), Small Yellow Bee Orchids (Ophrys lutea subsp. galilea), Naked Man Orchids (Orchis italica), Green-winged Orchids (Anacamptis morio), showing a range of colours, and Pink Butterfly Orchids (Anacamptis papilionacea). There were also more Sawfly Orchids (Ophrys tenthredinifera) and Bumblebee Orchids (Ophrys bombyliflora), a few Apulian Orchids (Ophrys fuciflora subsp. apulica) and, as well as several dead spikes of the early-flowering Giant Orchid (Himantoglossum robertianum), we also found one in fine flower. Orchids can show considerable variation and signs of hybridisation; the group is an example of evolution in action as many will hybridise readily, showing intermediate characteristics; we found the Pink Butterfly x Green-winged Orchid hybrid Anacamptis x gennarii, We just didn't know what to look at next, and had to be very careful where we trod!

Bird-wise it was quiet, with Goldfinches and a couple of Swallows, but butterflies included Italian Festoon (a recent split from Southern Festoon), as well as Cleopatra, Clouded Yellow, Small Copper, Orange Tip and Eastern Bath White, and Yellow Belle and Lunar Double-stripe moths were seen. Italian Wall Lizards scuttled through the grass and basked on rocks.

When we were sated, we wandered back to our rooms to relax. An Eastern Subalpine Warbler sang from a tree at the hotel entrance and was glimpsed briefly: We met at 6pm in the lounge and completed our list update before enjoying a Welcome Drink and a tasty dinner served in a trullo.

Day 5

Wednesday 13th April

Matera

Today dawned fine and sunny. Our destination was Matera, just over the Provincial border in Basilicata. This ancient town has the longest record of recorded habitation after Petra in Jordan, and one can see the layers of dwellings from the ancient caves, some of which were occupied until the 1950's, and some now being done up as hotel accommodation, with more modern houses on top. After an early breakfast, we left at 8.30am, cutting cross-country towards Mottola.

On the outskirts of Matera, we turned up the steep road onto the steppe plateau that borders the main gorge or gravina, stopping at the Belvedere. Here we had stunning views of the ancient part of the city. Plants here included the colourful mauve Stock (Matthiola fruticulosa), bright blue flax Linum austriacum subsp. tommasinii, Golden Alyssum (Aurinia saxatilis), and among the Early Spider Orchids, there was a good Dark Ophrys sphegodes subsp. atrata). Near a couple of small caves was Rock Buckthorn (Rhamnus saxatilis) and the area was carpeted with the delicate flowers of Willow-leaved Rock-rose (Helianthemum salicifolium), and patches of the larger-flowered endemic Rock-rose Helianthemum jonium. Swallows were swooping low, a Black Kite gave good views, and Crested Larks were singing their short snatches of song.

We then moved down to the Jazzo Gattini Visitor Centre and walked from here. Lesser Kestrels gave good views, and two Hoopoes flew overhead. Swallowtails were on the wing, and we saw a Queen of Spain Fritillary. There were also more Bertoloni's Bee Orchids, Sawfly Orchids and Small Yellow Bee Orchids, plus Green-

winged Orchid (Anacamptis morio), and we noted the large silvery leaves of Silver Sage (Salvia argentea) and the ferny leaves of Giant Fennel (Ferula communis).

Next, we drove in to the city of Matera, parking near the bus station. We found a café in a square behind the market for our lunch before the group had time to explore at leisure. Most headed for the maze of narrow streets and steps which make up the sassi, the old areas of town. We walked along the street overlooking the gorge, enjoying the hidden corners and views across to where we had been earlier, and marvelling at the cave dwellings and rock-cut churches. Blackcap and Wren were heard, and Lesser Kestrels were everywhere, overhead and perched on the buildings. Most of us finished the afternoon with a genuine gelato. All too soon, it was time to reconvene for our journey back home.

After a break, we met for another delicious dinner before heading to bed.

Day 6

Thursday 14th April

Laterza

Today, we visited the gravina at Laterza, run as a LIPU reserve (the Italian equivalent of our RSPB).

We woke to foggy morning with the mist lying in the valley, but this soon lifted with the sun and the day was hot and sunny. After breakfast, we left at 8.30am, taking a cross-country route parallel to the previous day's one, but on the ridge so through more scrubby woodland. A Red Fox crossed the road in front of us. We made a stop at a road junction of two unclassified roads near Croce Grande because there was a fine display of *Iris pseudopumila*, with lemon-yellow flowers with dark falls This is the dominant colour form in Puglia and the Italian name of the iris translates as the 'Apulian-Sicilian Iris. Near the vehicles we also found a couple of Widow Iris (*Iris*, formerly Hermodactylus, tuberosus). Eastern Subalpine Warbler and Cirl Bunting were singing, and both were glimpsed briefly, as was a male Pied Flycatcher, on passage.

We re-joined our previous route at Mottola but turned off just before the Basilicata border, going through the edge of the town of Laterza to reach the visitor centre. Having used the picnic table to prepare our own lunches, we were welcomed by Manuel, one of the naturalists based at the reserve. He gave us some maps of the area and showed us a short video about its key species. There is a reintroduction programme in place for Egyptian Vulture and they have a feeding station to attract the ones released locally, but they have not yet returned this year.

We set off to walk along the edge of the gorge, enjoying the stunning scenery. From the first viewpoint, we saw a distant male Blue Rock Thrush on the far side, singing from prominent rocks, and a Grey Heron and a White Wagtail were seen in the gorge below. At least two pairs of Black Kites were nesting in the gorge, with the paired birds calling to each other, displaying and passing food. Common Kestrel and Lesser Kestrel were also seen with a Buzzard perched on the feeding-station fence. Anne saw a Lanner Falcon circling overhead. We could hear frogs, probably of the Italian Hybrid Frog complex, calling from the river below, and Raven was also heard but not seen.

The taller vegetation included Macedonian Oak (Quercus trojana), Manna Ash (Fraxinus ornus), Montpellier Maple (Acer monspessulanus) and Prickly Juniper (Juniperus oxycedrus), but the abundant Narrow-leaved Cistus (Cistus monspessulanus) was not yet in flower. Italian Wall Lizards were common, and 'Longhorn Moths', tiny moths with

long antennae, were swarming round a Macedonian Oak tree. Butterflies today included good numbers of both Brimstone and the brighter Cleopatra, plus Green Hairstreak, Swallowtail, Clouded Yellow, Small Heath, Wall Brown and Adonis Blue, and other insects included Violet Carpenter Bee and the large Egyptian Grasshoppers. There were not yet many orchids in flower, but we started finding the species we had seen previously: Pink Butterfly Orchids, Green-winged Orchids and their hybrids, Early Spider Orchids, Sawfly Orchids, and Yellow and Small Yellow Bee Orchids. New today was a likely candidate for a Gargano Orchid (*Ophrys sphegodes* subsp. *passionis*) with frilly petals and a large lip, and one spike of Small-patterned Orchid (*Ophrys parvimaculata*). Other plants included the 'soft thistle' *Jurinea mollis*, and Hoary Rock-rose (*Helianthemum oelandicum* subsp. *incanum*) as well as the previously seen rock-roses.

We had our lunch overlooking the gorge, accompanied by a curious Italian Wall Lizard who came to investigate. Eventually we all turned back, retracing our steps along the gorge edge to the minibuses, with some seeing Scarce Swallowtail and the 'afternoon Iris', Barbary Nut. We were pleased to rehydrate with fruit juice and water and, while we were enjoying these, three Whinchats were seen in an adjacent hedgerow, two males and a female, giving lovely, scoped views.

After a break, we met to update our checklists and before another excellent dinner.

Day 7 Friday 15th April

Bosco delle Pianelle; local trulli, Parco delle Querce

We woke to another beautiful morning, with the weather hot and sunny for the day. Those out early saw Eastern Subalpine Warbler, Wood Warbler and a Collared Flycatcher.

Our final day in the field was spent more locally, exploring the wooded collapsed cavern or doline, that is Bosco delle Pianelle. After breakfast we drove the short distance to the wood, parking at the start of our path, down a rough track. As we entered the wood, the predominant trees were Holm Oak (*Quercus ilex*), and there was little bird life other than Jays, while Buzzard, Blue Tit and Great Tit were heard. A pair of Eastern Bonelli's Warbler were seen.

Near a large Holm Oak tree, we took the path upwards to the Trullo Grande, an abandoned cottage consisting mainly of a trullo with its conical roof. It was interesting to see its construction up close. The open meadow around is being encroached by scrub, mainly Cistus species (not yet flowering), but we found good numbers of *Iris psedopumila* and Widow Iris, still very fresh, and the meadow was starred with *Anemone hortensis* in shades of pink. Some of the now-familiar orchids were also flowering. Bifid Dead-nettle (*Lamium bifidum*) and an enormous Wall Pennywort (*Umbilicus chloranthus*, of Puglia and the Balkans) were near the trullo and as well as lots of white stars of Star-of-Bethlehem, we also saw the Sand Crocus *Romulea bulbocodium*, with single white flowers with a yellow throat. Italian Wall Lizards were abundant, enjoying the morning warmth on the stones, but the highlight was a very obliging Western Green Lizard, which allowed plenty of photographs and excellent scoped views.

We then followed the path gently down into the bottom of the doline, through Holm Oak and then, as we got deeper and the air more humid, Eastern Hornbeam (*Carpinus orientalis*). There were many Cyclamen leaves, but they were all of the autumn-flowering *Cyclamen hederifolium*. Here, where it was damper, we started noting ferns and mosses, especially Rustyback (*Ceterach officinarum*), and Irish and Maidenhair Spleenworts (*Asplenium onopteris*

and A. trichomanes). We reached a venerable old Holm Oak tree in a bit of a clearing on a forest road, where we had a rest and enjoyed a couple of Cleopatras, nectaring on the Bifid Dead-nettle. The road rose quite steeply round a couple of sharp bends, before there was a track off to the right, leading to a viewpoint over the doline. Here, we could see the shape of the collapsed cavern and the different vegetation layers. Strawberry Tree (Arbutus unedo) was here, with small fruit, and near here a black Western Whip Snake (var. carbonarius) was seen by some. We then took a path back through the wood, finding a good number of lemon-yellow Roman Orchids (Dactylorhiza romana) with each flower having a slim, upward-pointing spur. A Southern Festoon flew by but didn't stop.

The path dropped to re-join our original track near the Trullo Grande, and we walked back to the vehicles. As it was hot, we were glad to sit in shady spots to rest and enjoy our final delicious picnic, which included a traditional Italian Easter cake, shaped like a dove. A Holly Blue and a Southern Grizzled Skipper were by an ivy-covered water trough. There were more orchids on the slope and a Common Quail was calling from a nearby field.

Well replete, we joined the minibuses to drive a short distance to complete our loop, pulling in by a couple of trulli at an arable field. The field held both Large and 'common' Venus's Looking-glass (*Legousia speculum-veneris* and *L. hybrida*), as well as Yellow Vetchling and Winged Pea (*Lathyrus aphaca and L. ochrus*) both with cream flowers. We stopped again for some more trulli which were for storage rather than housing, with Violet Carpenter Bee nectaring on Borage (*Borago officinalis*), some of which was pink rather than the normal blue. At another roadside stop, we found quantities of mauve Crown Anemones (*Anemone coronaria*) in a field with the field edge a mass of *Anemone hortensis* and orchids.

Back at the hotel, there was plenty of time to relax or undertake further exploration, before some of us met to update the lists and go out again at 6.30pm. It was still very quiet, bird-wise, but an Eastern Subalpine Warbler gave a snatch of song, and a Collared Flycatcher was again seen. More orchids were in flower, and we noted especially the hybrid swards of Bertoloni's Bee Orchid x Early Spider Orchid (*Ophrys x flavicans* after the Salento region of Puglia), with a variety of greenish-pink sepals and petals and sizeable specula on the lips. There was also a hybrid between Sawfly Orchid and probably Apulian Orchid (*Ophrys x salentina*).

Day 8

Saturday 16th April

Bari to Gatwick and home

Our final day dawned grey with a chilly wind. Some were out early to enjoy the orchids a final time. After breakfast, we loaded the vehicles and said our goodbyes and thanks to the staff who had looked after us. We had a good journey up to Bari, with Common Buzzard and Lesser Kestrels among the birds seen en route. After a stop to buy fuel, we arrived at the airport and checked in. Our flight was slightly delayed, but we made good time and arrived about 3.10pm. After we had collected our luggage, we said our farewells, and our fourth trip to Puglia in Spring reached its conclusion, leaving us with many memories and photos of this beautiful and fascinating area.

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Species lists

Birds (H = Heard only)

LO = Leader only				April 2022					
Common name	Scientific name	9	10	11	12	13	14	15	16
Mallard	Anas platyrhyncos			√					
Common Quail	Coturnix coturnix							LO H	
Alpine Swift	Tachymarptis melba		✓						
Common Swift	Apus apus	√	√	✓	✓		√		
Common Cuckoo	Cuculus canorus			✓					
Rock Dove [Feral]	Columba livia feral	√	√	√	✓	√	√	√	√
Common Wood Pigeon	Columba palumbus					√	√		
European Turtle Dove	Streptopelia turtur			√					
Eurasian Collared Dove	Streptopelia decaocto	√	√	√	√	√	√	√	√
Eurasian Coot	Fulica atra			√					
Little Grebe	Tachybaptus ruficollis			√					
Great Crested Grebe	Pociceps cristatus			√					
Eurasian Whimbrel	Numenius phaeopus				√				
Wood Sandpiper	Tringa glareola			√					
Audouin's Gull	Ichthyaetus audouinii		√						
Mediterranean Gull	Ichthyaetus melanocephalus			√					
Yellow-legged Gull	Larus michahellis	/	√	√	√				
Scopoli's Shearwater	Calonectris diomedea			√					
Yelkouan Shearwater	Puffinus yelkouan		√						
White Stork	Ciconia ciconia		√						
Squacco Heron	Ardeola ralloides			√					
Western Cattle Egret	Bubulcus ibis					√	√		
Grey Heron	Ardea cinerea				√		√		
Eurasian Sparrowhawk	Accipiter nisus		✓				√		
Western Marsh Harrier	Circus aeruginosus	/	/	√	√	√			
Montagu's Harrier	Circus pygargus		√						
Black Kite	Milvus migrans	√				√	√		
Common Buzzard	Buteo buteo	•	/		√	√	√	_	

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Common name	Scientific name	9	10	11	12	13	14	15	16
Eurasian Scops Owl	Otus scops	Н	Н	Н					
Eurasian Hoopoe	Upupa epops	✓	✓	✓	✓	✓	Н	✓	
Great Spotted	Dendrocopos major			Н					
Woodpecker Lesser Kestrel	Falco naumanni		√	√		√	√		
Common Kestrel	Falco tinnunculus	√	✓ ✓	√	√	✓ ✓	✓ ✓	√	
Eurasian Hobby	Falco subbuteo	V	✓ ✓	V	V	V	V	V	
Lanner Falcon	Falco biarmicus		V				,		
Monk Parakeet	Myiopsitta monachus	/					✓		
Eurasian Jay	Garrulus glandarius	✓						,	
·		,	,	,	√	√	√	√	
Eurasian Magpie	Pica pica	√	√	√	√	√	✓	√	
Western Jackdaw	Coloeus monedula	√	√	√	√	√			
Hooded Crow	Corvus cornix	✓	✓	✓	✓	✓	√	✓	
Northern Raven	Corvus corax						Н		
Coal Tit	Periparus ater			Н					
Eurasian Blue Tit	Cyanistes caeruleus		✓	✓		✓	✓	✓	
Great Tit	Parus major		✓	✓		Н	✓	Н	
Woodlark	Lullula arborea		✓						
Crested Lark	Galerida cristata apuliae		✓			✓	✓		
Sand Martin	Riparia riparia			✓					
Barn Swallow	Hirundo rustica	✓	✓	✓	✓	✓	✓	✓	
Common House Martin	Delichon urbicum		✓	✓	✓	✓	✓		
Red-rumped Swallow	Cecropis daurica			✓					
Cetti's Warbler	Cettia cetti		Н	Н	Н	Н	Н	Н	
Long-tailed Tit	Aegithalos caudatus			√					
Wood Warbler	Phylloscopus sibilatrix							√	
Western Bonelli's Warbler	Phylloscopus bonelli			√			Н	√	
Common Chiffchaff	Phylloscopus collybita				Н				
Sedge Warbler	Acrocephalus schoenobaenus			Н					
Zitting Cisticola	Cisticola juncidis		Н	√					
Eurasian Blackcap	Sylvia atricapilla			√		√	Н	Н	
Sardinian Warbler	Curruca melanocephala		√	√	√	√	√	✓	
Eastern Subalpine	Curruca cantillans		V	V	√	√	✓ ✓	√	
Warbler	Carraca caramaris				'	'	'	V	
Common Whitethroat	Curruca communis				Н				
Common Firecrest	Regulus ignicapilla			√					
Eurasian Wren	Troglodytes troglodytes					Н	Н	Н	
Common Starling	Sturnus vulgaris	√							
Common Blackbird	Turdus merula		Н	√			Н	√	
Common Nightingale	Luscinia megarhynchos			Н				Н	
European Pied Flycatcher	Ficedula hypoleuca						√		
Collared Flycatcher	Ficedula albicollis		√				•	√	
Common Redstart	Phoenicurus phoenicurus		, v	√				-	
Blue Rock Thrush	Monticola solitarius			V			√		
Whinchat	Saxicola rubetra						✓ ✓		
Northern Wheatear	Oenanthe oenanthe			/			V		
Eastern Black-eared	Oenanthe melanoleuca		,	✓					
Wheatear Western Black-eared	Oenanthe hispanica		√ /	LO					
Wheatear	Cerianine mopanica		✓						
Italian Sparrow	Passer italiae	√							
Western Yellow Wagtail	Motacilla flava		√			-		<u> </u>	
Yellow (Ashy-headed)	Motacilla flava cinereocapilla		_	√					

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Common name	Scientific name	9	10	11	12	13	14	15	16			
Wagtail												
White Wagtail	Motacilla alba				✓	✓	√	✓				
Meadow Pipit	Anthus pratensis		✓									
Common Chaffinch	Fringilla coelebs		Н	✓	Н	Н	Н					
European Greenfinch	Chloris chloris	Н		✓								
Common Linnet	Linaria cannabina		✓									
European Goldfinch	Carduelis carduelis		✓	✓	✓	√	√	✓				
European Serin	Serinus serinus		✓	✓	Н							
Corn Bunting	Emberiza calandra		√	√	√	√	√	Н				
Cirl Bunting	Emberiza cirlus						√					

Other vertebrates (H = Heard, D = Dead, S = Signs)

		April 2022								
Common name	Scientific name	9	10	11	12	13	14	15	16	
MAMMALS:	'									
European Hedgehog	Erinaceus europaeus			D						
Roman Mole	Talpa romana					S				
Red Fox	Vulpes vulpes			LO	D		√			
Eurasian Wolf	Carnis lupus							S		
Wild Boar	Sus scrofa			S	S		S	S		
Red Squirrel	Sciurus vulgaris			S						
European Rabbit	Oryctolagus cuniculus				D		D			
REPTILES & AMPHIABIAN	S:									
Italian Tree Frog	Hyla intermedia			√						
Italian Hybrid Frog	Pelophylax (Rana) kl hispanica						Н			
European Pond Terrapin	Emys orbicularis			√						
Western Green Lizard	Lacerta bilineata							√		
Italian Wall Lizard	Podarcis sicula		√	√	√	√	√	√		
Western Whip Snake	Coluber viridiflavus var. carbonarius							✓		

Invertebrates

					April	2022			
Common name	Scientific name	9	10	11	12	13	14	15	16
BUTTERFLIES:									
Scarce Swallowtail	Iphicides podalirius						√		
Swallowtail	Papilio machaon		√		√	√	√		
Italian Festoon	Zerynthia cassandra				√			√	
Large White	Pieris brassicae						√		
Small White	Pieris rapae	✓	√	√	√	√	√	√	
Eastern Bath White	Pontia edusa			√	√	√	√	√	
Eastern Dappled White	Euchloe ausonia			√					
Orange Tip	Anthocharis cardamines				√		√	✓	
Clouded Yellow	Colias crocea			√	√	√	√	✓	
Brimstone	Gonepteryx rhamni			√	√		√		
Cleopatra	Gonepteryx cleopatra			√	√		√	✓	
Green Hairstreak	Callophrys rubi						√		

						2022			
Common name	Scientific name	9	10	11	12	13	14	15	16
Small Copper	Lycaena phlaeas			✓	✓		✓	✓	
Little Blue	Cupido minimus						✓	✓	
Holly Blue	Celastrina argiolus							✓	
Brown Argus	Aricia agestis					✓			
Adonis Blue	Lysandra bellargus			✓			✓		
Nettle-tree Butterfly	Libythea celtis						✓		
Red Admiral	Vanessa atalanta				✓		✓	✓	
Painted Lady	Vanessa cardui				✓				
Queen of Spain Fritillary	Issoria lathonia					√			
Speckled Wood	Parage aegeria aegeria							✓	
Wall Brown	Lasiommata megera		√	√	√	√	√	√	
Small Heath	Coenonympha pamphilus			√	√	√	√	√	
Dingy Skipper	Erynnis tages				√				
Southern Grizzled Skipper	Pyrgus malvoides			√				√	
MOTHS:									
Long-horned Moth	Adela reaumurella						√		
Micro sp.	-						√		
Oak Hooktip	Watsonalla binaria						•	√	
Small Dusty Wave	Idaea scriata		√	√				•	
Brindled Pug	Eupithecia abbreviata		√	•					
Brassy Waved Umber	Menophra japygiaria						√		
Annulet type	Charissa staudingeri		√				V		
Yellow Belle	Aspitates ochrearia		V	√	√	/		√	
Hummingbird Hawk-moth	Macroglossum stellatum			√	V	V		V	
Great Prominent	Peridea anceps			V			√		
Ruby Tiger	Phragmatobia fuliginosa			√			V		
Grouville Dart	Agrotis catalaunensis			V		/			
Noctuid sp.	Agrotis catalauriensis					√	,		
·	Minucia lunaris				,		√		
Lunar Double-stripe	IVIIIIucia iuriaris				√				
OTHER INVERTEBRATES:	In the same of the same			,					
Common Bluetail	Ischnura elegans			✓					
Lesser Emperor Dragonfly	Aeshna parthenope			✓					
Egyptian Grasshopper	Anacridium aegyptium			✓			✓		
Ground Bug Sp.	-						✓		
St. Mark's Fly	Bibio marci				✓				
Midge sp.	Bibio hortulanus						✓		
Bee Fly	Bombylius major		✓		✓			✓	
A Bee Fly	Bombylius sp.							✓	
Potter Wasp	Eumenidae sp.		S						
A black Mining Bee	Adrena pilipes		✓						
Carpenter Bee	Xylocopa violacea						✓	✓	
Carpenter Bee	Xylocopa iris		✓			✓			
Honey Bee	Apis mellifera			✓		√	√	√	
Buff-tailed Bumblebee	Bombus terrestris			✓	√	√		✓	
White-tailed Bumblebee	Bombus lucorum						√		
A Chafer beetle	Oxythyria funesta					√			
Yellow-haired Barbary Bug	Tropinota squalida		√	√	√	√			
Darkling Beetle	Pimelia bipunctata			√					
Seven-spot Ladybird	Coccinella 7-punctata			· √					

		April 2022										
Common name	Scientific name	9	10	11	12	13	14	15	16			
Green Leaf Beetle	Chrysomelidae sp.				√							
Giant Centipede	Scolopendra cingulatus		√									
Black Millipede	Tachypodoiulus niger		√	√	√	√		√	√			
Nursery Web Spider			√									
Gastropod Molluscs:												
Green Garden Snail	Cantareus apertus			√								
Clusilid Snail sp.	Clusilidae sp.		√	√	√							
White-lipped Banded Snail	Cepaea hortensis		√	√	√							

Plants

Scientific name	Common name	Day	Location
Nomenclature contained within this	liet follows Plants of the World Onli	ne (POV	VO) an internationally accented
	plant families published by the Roy		
* = a species is endemic			
PTERIDOPHYTES	FERNS & ALLIES		
Leptosporangiate Ferns	True Ferns		
Aspleniaceae	Spleenwort family		
Asplenium ceterach	Rustyback	2	Punta Palascia lighthouse
Asplenium onopteris	Irish Spleenwort	7	Bosco delle Pianelle
Asplenium trichomanes	Maidenhair Spleenwort	7	Bosco delle Pianelle
Dennstaeditiaceae	Bracken Family		
Pteridium aquilinum	Bracken	3	Reserva Naturale Le Cesine
Polypodiaceae	Polypody Family		
Polypodium cambricum	Southern Polypody	7	Bosco delle Pianelle
GYMNOSPERMS	CONIFERS		
Cupressaceae	Juniper Family		
Cupressus sempervirens	Italian Cypress	2	Planted
Juniperus oxycedrus	Prickly Juniper	6	L'Oasi Gravina Laterza
Pinaceae	Pine Family		
Pinus halepensis	Aleppo Pine	3	Reserva Naturale Le Cesine
Pinus pinea	Stone or Umbrella Pine	1	Common
ANGIOSPERMS	FLOWERING PLANTS		
Pre-dicots	Primitive Angiosperms		
Aristolochiaceae	Birthwort Family		
Aristolochia rotunda	A Birthwort	7	Grounds of Hotel Parco delle Querce
Lauraceae	Laurel Family		
Laurus nobilis	Bay Laurel	4	Laneside by Hotel Masseria Panareo

Scientific name	Common name	Day	Location
Eu-dicots	True Dicotyledons		
Acanthaceae	Bear's-breech Family		
Acanthus mollis	Bear's-breech	6	L'Oasi Gravina Laterza
Adoxaceae	Moschatel Family		
Viburnum tinus	Laurustinus	6	Roadside hedge, SW of Martina Franca
Aizoaceae	Dew-plant Family		
Carpobrotus acinaciformis	Sally-my-handsome	3	Roadside N of Torre Specchia
Anacardiaceae	Sumach Family		
Pistacia lentiscus	Mastic Bush	2	Scrubby grassland E of Hotel
Pistacia terebinthus	Turpentine Tree	6	L'Oasi Gravina Laterza
Apiaceae	Carrot Family		
Daucus carota	Wild Carrot	2	Punta Palascia lighthouse
Elaeoselinum asclepium	Elaeoselinum	6	L'Oasi Gravina Laterza
Ferrula communis	Giant Fennel	1	Roadsides
Foeniculum vulgare	Common Fennel	2	Punta Palascia lighthouse
Opoponax chironium	Hercules Heal-all	6	L'Oasi Gravina Laterza
Scandix pecten-veneris	Shepherd's Needles	2	Scrubby grassland E of Hotel
Smyrnium olusatrum	Alexanders	2	Laneside by Hotel Masseria Panareo
Thapsia garganica	Thapsia	7	Bosco delle Pianelle (leaves)
Tordylium apulum	Tordylium	2	Scrubby grassland E of Hotel
Apocynaceae	Periwinkle Family		
Vinca difformis	Intermediate Periwinkle	3	Roadside, SW of Martina Franca
Aralaceae	Ivy Family		
Hedera helix	lvy	3	Reserva Naturale Le Cesine
Asteraceae (Compositae)	Daisy Family		
Asteraceae (Compositae) Achillea (Otanthus) maritimus	Cottonweed	3	Beach, Torre Specchia
Acrillea (Otanthus) mantimus Artemisia absinthium	Wormwood	1	Roadsides, S of Bari
Anthemis arvensis	Corn Chamomile	4	Grounds of Hotel Parco delle
Pollio annua	Appual Daiov	2	Querce
Bellis annua	Annual Daisy	2	Scrubby grassland E of Hotel
Bellis perennis	Daisy	5	Matera Pianalla
Bellis sylvestris	Southern Daisy	7	Bosco delle Pianelle
Calendula arvensis	Field Marigold	2	Scrubby grassland E of Hotel
Carduus pycnocephalus	Plymouth Thistle	2	Scrubby grassland E of Hotel
Cronic rubro	a Knapweed	2	Punta Palascia lighthouse
Crepis rubra	Pink Hawk's-beard	3	Reserva Naturale Le Cesine
Dittrichia viscosa	Woody Fleabane	2	Scrubby grassland E of Hotel
Filago (Evax) pygmaea	Evax	2	Scrubby grassland E of Hotel
Filago germanica	Common Cudweed	6	L'Oasi Gravina Laterza
Galactites tomentosa	Galactites	2	Scrubby grassland E of Hotel
Glebionis coronarium var. coronarium	Crown Daisy (yellow)	2	Grounds of Hotel Masseria Panareo
Glebionis coronarium var. discolor	Crown Daisy (yellow and	2	Grounds of Hotel Masseria

Scientific name	Common name	Day	Location
Helichrysum italicum	A Curry Plant	2	Scrubby grassland E of Hotel
Hyoseris radiata	-	7	Bosco delle Pianelle (leaves)
Jurinea mollis	a 'soft' Thistle	7	Bosco delle Pianelle (in bud)
Phagnalon saxatile	Phagnalon	5	Belvedere Murgia Timone, Matera
Scorzonera villosa	Hairy Viper's-grass	5	Belvedere Murgia Timone, Matera
Senecio leucanthemifolius ssp. leucanthemifolius	Coastal Ragwort	4	Grounds of Hotel Parco delle Querce
Senecio vulgaris	Groundsel	2	Grounds of Hotel Masseria Panareo
Silybum marianum	Milk Thistle	5	Jazzo Gattini, Matera
Tragopogon porrifolius	Salsify	5	Belvedere Murgia Timone,
Urospermum picroides	-	3	Matera Reserva Naturale Le Cesine
Betulaceae	Birch Family		
Carpinus orientalis	Eastern Hornbeam	6	L'Oasi Gravina Laterza
Boraginaceae	Forget-me-not Family		
Alkanna tinctoria	Dyer's Alkanet	2	Scrubby grassland E of Hotel
Anchusa undulata subsp. hybrida	-	5	Belvedere Murgia Timone, Matera
Borago officinalis	Borage	2	Laneside by Hotel Masseria Panareo
Buglossoides arvensis	Corn Gromwell	2	Otranto
Buglossoides purpurocaerulea	Purple Gromwell	6	L'Oasi Gravina Laterza
Cerinthe major	Honeywort	2	Punta Palascia lighthouse
Cynoglossum creticum	Cretan Hound's-tongue	4	Grounds of Hotel Masseria Panareo
Echium platagineum	Purple Viper's-bugloss	2	Otranto
Myosotis ramosissima	Early Forget-me-not	7	Bosco delle Pianelle
	, ,		
Brassicaceae	Cabbage Family		
Alyssoides sinuatum	Pale Alyssum	6	L'Oasi Gravina Laterza
Aurinia (Alyssum) saxatile	Yellow Alyssum	5	Belvedere Murgia Timone, Matera
Arabis hirsuta	Hairy Rock-cress	2	Scrubby grassland E of Hotel
Arabis verna	Spring Rock-cress	7	Bosco delle Pianelle
Biscutella didyma	Biscutella	3	Reserva Naturale Le Cesine
Brassica nigra	Black Mustard	1	Roadsides S of Bari
Bunias erucago	Bunias	4	Grounds of Hotel Parco delle Querce
Bunius orientale	Warty Cabbage	4	Grounds of Hotel Masseria Panareo
Cakile maritima	Sea Rocket	3	Beach, Torre Specchia
Capsella bursa-pastoris	Shepherd's-purse	4	Grounds of Hotel Parco delle Querce
Eruca vesicaria	Eruca or Wild Rocket	4	Grounds of Hotel Masseria Panareo
Isatis tinctoria	Woad	1	Roadsides S of Brindesi
Matthiola incana	Hoary Stock	2	Walls in Otranto
Matthiola fruticulosa	-	5	Belvedere Murgia Timone, Matera
Matthiola sinuata	Sea Stock	3	Beach, Torre Specchia
Raphanus raphanistrum	Wild Radish	4	Grounds of Hotel Masseria Panareo
Sinapis alba	Charlock	4	Grounds of Hotel Parco delle

Scientific name	Common name	Day	Location
			Querce
Sinapis arvensis	White Mustard	3	Reserva Naturale Le Cesine
Cactaceae	Cactus Family		
Opuntia ficus-indica	Prickly Pear	1	Scattered
Campanulaceae	Bellflower Family		
Asyneuma limonifolium	-	2	Scrubby grassland E of Hotel
Campanula erinus	Annual Bellflower		
Campanula versicolor*	a Bellflower (endemic)	2	Punta Palascia lighthouse (leaves)
Legousia hybrida	Venus's Looking Glass	7	Arable margin by 1st trulli house
Legousia speculum-veneris	Large Venus's Looking Glass	7	Arable margin by 1st trulli house
Caprifoliaceae	Honeysuckle Family		
Knautia integrifolia	a Scabious	5	Belvedere Murgia Timone, Matera
Valeriana tuberosa	Tuberous Valarian	6	L'Oasi Gravina Laterza
Valerianella agg.	Cornsalad	7	Arable margin by 1st trulli house
Caryophyllaceae	Pink Family		
Cerastium glomeratum	Sticky Mouse-ear	7	Arable margin, SP50
Petrorhagia dubia	A Childing Pink	2	Scrubby grassland E of Hotel
Silene colorata	A Catchfly	3	Beach, Torre Specchia
Silene conica	Sand Catchfly	3	Reserva Naturale Le Cesine
Silene gallica	Small-flowered Catchfly	2	Scrubby grassland E of Hotel
Silene latifolia	White Campion	2	Punta Palascia lighthouse
Silene vulgaris	Bladder Campion	3	Reserva Naturale Le Cesine
Stellaria media	Common Chickweed	6	L'Oasi Gravina Laterza
Cistaceae	Rock-rose Family		
Cistus creticus	Pink Cistus	3	Reserva Naturale Le Cesine
Cistus monspeliensis	Narrow-leaved Cistus	4	Grounds of Hotel Parco delle Querce
Cistus salvifolius	Sage-leaved Cistus	2	Scrubby grassland E of Hotel
Helianthemum jonium*	An endemic Rock-rose	2	Scrubby grassland E of Hotel
Helianthemum oelandicum subsp incanum	Hoary Rockrose	6	L'Oasi Gravina Laterza
Helianthemum salicifolium	Willow-leaved Rock-rose	5	Belvedere Murgia Timone, Matera
Convolvulaceae	Bindweed Family		
Convolvulus althaeoides	Mallow-leaved Bindweed	7	Roadsides
Crassulaceae	Stonecrop Family		
Sedum cespitosum	Broad-leaved Stonecrop	3	Roadside near Torre dell'Orso
Sedum forsterianum	Rock Stonecrop	5	Belvedere Murgia Timone, Matera
Umbilicus chloranthus	Green Venus' Navel	7	Bosco delle Pianelle
Euphorbiaceae	Spurge Family		
Euphorbia characias subsp.characias	Mediterranean Spurge	5	Below, Belvedere Murgia Timone, Matera
Euphorbia helioscopia	Sun Spurge	2	Punta Palascia lighthouse
Euphorbia exigua	Dwarf Spurge	8	Grounds of Hotel Parco delle

Scientific name	Common name	Day	Location
			Querce
Euphorbia peplis	Purple Spurge	3	Beach, Torre Specchia
Euphorbia spinosa	-	4	Laneside by Hotel Masseria Panareo
Mercurialis annua	Annual Mercury	2	Punta Palascia lighthouse
Fabaceae (Leguminosae)	Pea Family		
Acacia saligna	Blue Wattle	3	Reserva Naturale Le Cesine
Anthyllis vulneraria subsp. rubriflora	Mediterranean Kidney Vetch (Pink)	2	Scrubby grassland E of Hotel
Astragalus hamosus	a Milk-vetch	3	Reserva Naturale Le Cesine
Bitumaria bituminosa	Pitch Trefoil	2	Punta Palascia lighthouse
Calycotome infesta	Spiny Broom	4	Grounds of Hotel Parco delle Querce
Ceratonia siliqua	Carob	5	Jazzo Gattini, Matera
Cercis siliquastrum	Judas Tree	1	Roadsides S of Bari
Coronilla scorpioides	Annual Scorpion Vetch	3	Reserva Naturale Le Cesine
Coronilla valentina subsp. valentina	Shrubbt Scorpion Vetch	6	L'Oasi Gravina Laterza
Cytisus spinescens	Spiny Hairy Broom	5	Belvedere Murgia Timone, Matera
Hedysarum spinosissimum	-	4	Grounds of Hotel Masseria Panareo
Hippocrepis emerus subsp. emeroides	False Senna	6	L'Oasi Gravina Laterza
Hippocrepis glauca	a Horseshoe Vetch	3	Reserva Naturale Le Cesine
Hymenocarpus circinatus	Disk Trefoil	2	Scrubby grassland E of Hotel
Lathyrus aphaca	Yellow Vetchling	7	Arable margin by 1st trulli houses
Lathyrus cicera	a Vetchling	3	Reserva Naturale Le Cesine
Lathyrus ochrus	Winged Vetchling (cream)	2	Scrubby grassland E of Hotel
Lathyrus setifolius	Red Grass Vetchling	3	Reserva Naturale Le Cesine
Lotus creticus	Southern Bird's-foot Trefoil	2	Punta Palascia lighthouse
Lotus cytisoides	a Trefoil	3	Beach, Torre Specchia
Lotus edulis	Edible Lotus	2	Punta Palascia lighthouse
Lotus hirsutus (Dorycnium hirsutum)	Dorycnium	2	Punta Palascia lighthouse
Lotus ornithopodioides	-	2	Scrubby grassland E of Hotel
Lotus tetragonolobus (Tetragonolobus. purpureus)	Winged or Asparagus Pea	2	Scrubby grassland E of Hotel
Lupinus micranthus	Bitter Blue Lupin	2	Scrubby grassland E of Hotel
Medicago arabica	Spotted Medick	8	Grounds of Hotel Parco delle Querce
Medicago lupulina	Black Medick	2	Grounds of Hotel Masseria Panareo
Medicago polymorpha	Toothed Medick	2	Grounds of Hotel Masseria Panareo
Melilotus indicus	Small Mellilot	7	Arable margin by 1st trulli houses
Onobrychis aequidentata	-	3	Reserva Naturale Le Cesine
Pisum sativum subsp. elatius	Wild Pea	2	Laneside by Hotel Masseria Panareo
Scorpiurus muricatus	a Scorpiurus	3	Reserva Naturale Le Cesine
Spartium junceum	Spanish Broom	4	Grounds of Hotel Parco delle Querce
Trifolium nigrescens	A white clover	3	Reserva Naturale Le Cesine
Trifolium repens	White Clover	2	Scrubby grassland E of Hotel
Trifolium resupinatum	Reversed Clover	3	Reserva Naturale Le Cesine
Trifolium stellatum	Starry Clover	2	Scrubby grassland E of Hotel
Trifolium subterraneum	Burrowing Clover	2	Scrubby grassland E of Hotel
Trifolium tomentosum	Woolly Trefoil	7	Arable margin, SP50

Scientific name	Common name	Day	Location
Trigonella balansae (T. corniculata)	A Fenugreek	2	Scrubby grassland E of Hotel
Tripodion (Anthyllis) tetraphyllum	Bladder Vetch	6	L'Oasi Gravina Laterza
Vicia benghalensis	Bengal Vetch	3	Reserva Naturale Le Cesine
Vicia bithynica	Bithynian Vetch	2	Punta Palascia lighthouse
Vicia hybrida	a Yellow Vetch	4	Grounds of Hotel Masseria Panareo
Vicia pseudocracca	Tufted Vetch	4	Grounds of Hotel Masseria Panareo
Vicia sativa subsp. sativa	a Fodder Vetch	7	Arable margin by 1st trulli house
Vicia tetrasperma	Smooth Tare	2	Scrubby grassland E of Hotel
Fagaceae	Beech Family		
Quercus coccifera	Kermes Oak	2	Punta Palascia lighthouse
Quercus ilex	Holm Oak	7	Bosco delle Pianelle
Quercus pubescens	Downy Oak	7	Bosco delle Pianelle
Quercus trojana	Macedonian Oak	6	L'Oasi Gravina Laterza
Geraniaceae	Crane's-bill Family		
Erodium cicutarium	Common Stork's-bill	3	Reserva Naturale Le Cesine
Erodium malacoides	Mallow-leaved Stork's-bill	6	L'Oasi Gravina Laterza
Erodium nervulosum*	a Stork's-bill	3	Reserva Naturale Le Cesine
Geranium columbinum	Long-stalked Crane's-bill	6	L'Oasi Gravina Laterza
Geranium lucidum	Shining Crane's-bill	7	Bosco delle Pianelle
Geranium molle	Dove's-foot Crane's-bill	2	Punta Palascia lighthouse
Geranium purpureum	Little Robin	2	Punta Palascia lighthouse
Geranium rotundifolium	Round-leaved Crane's-bill	2	Scrubby grassland E of Hotel
Geranium sanguineum	Bloody Crane's-bill	6	L'Oasi Gravina Laterza
Lamiaceae	Dead-nettle Family		
Ajuga chamaepitys	Ground-pine	3	Reserva Naturale Le Cesine
Lamium amplexicaule	Henbit Dead-nettle	2	Otranto
Lamium bifidum	Bifid Dead-nettle	7	Bosco delle Pianelle
Mentha pulegium	Pennyroyal	4	Grounds of Hotel Parco delle Querce
Phlomis fruticosa	Jerusalem Sage	2	Scrubby grassland E of Hotel
Prasium majus	Prasium	2	Punta Palascia lighthouse
Rosmarinus officinalis	Rosemary	3	Reserva Naturale Le Cesine
Salvia argentea	Silver Sage	5	Jazzo Gattini, Matera
Salvia verbenaca	Wild Clary	2	Scrubby grassland E of Hotel
	Summer Savory	2	Punta Palascia lighthouse
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Sideritis romana	Common Sideritis	2	Punta Palascia lighthouse
Sideritis romana Teucrium polium agg.	Common Sideritis Felty Germander	3	Reserva Naturale Le Cesine (leaves)
Sideritis romana Teucrium polium agg. Thymbra capitata	Common Sideritis Felty Germander A Thyme	3	Reserva Naturale Le Cesine (leaves) Scrubby grassland E of Hotel
Sideritis romana Teucrium polium agg. Thymbra capitata	Common Sideritis Felty Germander	3	Reserva Naturale Le Cesine (leaves)
Sideritis romana Teucrium polium agg. Thymbra capitata Thymus spinulosus Linaceae	Common Sideritis Felty Germander A Thyme	3	Reserva Naturale Le Cesine (leaves) Scrubby grassland E of Hotel Scrubby grassland E of Hotel
Sideritis romana Teucrium polium agg. Thymbra capitata Thymus spinulosus Linaceae	Common Sideritis Felty Germander A Thyme A Thyme	3	Reserva Naturale Le Cesine (leaves) Scrubby grassland E of Hotel
Satureja hortensis Sideritis romana Teucrium polium agg. Thymbra capitata Thymus spinulosus Linaceae Linum austriacum subsp. tommasinii Linum bienne	Common Sideritis Felty Germander A Thyme A Thyme	2 2	Reserva Naturale Le Cesine (leaves) Scrubby grassland E of Hotel Scrubby grassland E of Hotel Belvedere Murgia Timone,
Sideritis romana Teucrium polium agg. Thymbra capitata Thymus spinulosus Linaceae Linum austriacum subsp. tommasinii	Common Sideritis Felty Germander A Thyme A Thyme Flax Family	3 2 2 5	Reserva Naturale Le Cesine (leaves) Scrubby grassland E of Hotel Scrubby grassland E of Hotel Belvedere Murgia Timone, Matera

Scientific name	Common name	Day	Location
Moraceae	Mulberry Family		
Ficus carica	Fig	2	Scrubby grassland E of Hotel
	3		
Myrtaceae	Myrtle Family		
Myrtus communis	Myrtle	2	Punta Palascia lighthouse
Oleaceae	Olive Family		
Fraxinus ornus	Flowering Ash	6	L'Oasi Gravina Laterza
Olea europaea	Olive	2	Punta Palascia lighthouse
Phillyrea latifolia	Broad-leaved Phillyrea	3	Reserva Naturale Le Cesine
Orobanchaceae	Broomrape Family		
Orobanche minor	Common Broomrape	3	Beach, Torre Specchia
Orobanche ramosa	Branched Broomrape	6	L'Oasi Gravina Laterza
Parentucella latifolia	Southern Red Bartsia	4	Grounds of Hotel Parco delle Querce
Parentucella viscosa	Yellow Bartsia	6	L'Oasi Gravina Laterza (leaves)
Oxalidaceae	Wood-sorrel Family		
Oxalis pes-caprae	Bermuda Buttercup	2	Very Common
	·		
Papaveraceae	Poppy Family		
Fumaria capreolata	White Ramping Fumitory	4	Grounds of Hotel Masseria Panareo
Fumaria muralis	Common Ramping Fumitory	3	Reserva Naturale Le Cesine
Fumaria officinalis	Common Fumitory	2	Scrubby grassland E of Hotel
Papaver hybridum	Rough Poppy	3	Reserva Naturale Le Cesine
Papaver rhoeas	Common Poppy	3	Reserva Naturale Le Cesine
Plantaginaceae	Plantain Family		
Antirrhinum siculum	Sicilian Snapdragon	8	By Motorway toll booth
Cymbalaria muralis	Ivy-leaved Toadflax	5	Walls in Matera
Linaria reflexa	-	4	Grounds of Hotel Parco delle Querce
Plantago arenaria	Branched Plantain	2	Scrubby grassland E of Hotel
Plantago lagopus	Hare's-foot Plantain	2	Punta Palascia lighthouse
Plantago serraria	-	2	Scrubby grassland E of Hotel
Veronica cymbalaria	Cymbalaria-leaved Speedwell	7	Bosco delle Pianelle
Veronica hederifolia agg	Ivy-leaved Speedwell	7	Bosco delle Pianelle
Plumbaginaceae	Thrift Family		
Limonium sp.	a Sea-lavender	3	Reserva Naturale Le Cesine
Polygonaceae	Knotweed Family		
Rumex bucephalophorus	Horned Dock	3	Reserva Naturale Le Cesine
Primulaceae	Primrose Family		
Cyclamen hederifolium	Ivy-leaved Cyclamen	7	Bosco delle Pianelle (leaves)
Lysimachia (Anagallis) arvensis	Scarlet Pimpernel	4	Grounds of Hotel Masseria
=y omnaoma (r magamo) ar v omoro			Panareo

Scientific name	Common name	Day	Location
Lysimachia (Anagallis) arvensis subsp. foemina	Blue Pimpernel		
Ranunculaceae	Buttercup Family		
Adonis annua	Pheasant's Eye	4	Grounds of Hotel Masseria Panareo
Anemone coronaria	Crown Anemone	7	Arable margin, SP50
Anemone hortensis	-	2	Scrubby grassland E of Hotel
Ficaria verna agg.	Lesser Celandine	6	L'Oasi Gravina Laterza
Ranunculus arvensis	Corn Buttercup	7	Arable margin, SP50
Ranunculus millefoliatus	Million-leaved Buttercup'	4	Grounds of Hotel Masseria Panareo
Ranunculus sceleratus	Celery-leaved Buttercup	4	Grounds of Hotel Masseria Panareo
Ranunculus velutinus	-		
Resedaceae	Mignonette Family		
Reseda alba	White Mignonette	2	Punta Palascia lighthouse
Reseda luteola	Weld	3	Roadside field, near Torre dell'Orso
Rhamnaceae	Buckthorn Family		
Rhamnus alaternus	Mediterranean Buckthorn	3	Reserva Naturale Le Cesine
Rhamnus saxatilis	Rock Buckthorn	5	Belvedere Murgia Timone, Matera
Rosaceae	Rose Family		
Crataegus monogyna	Hawthorn	6	L'Oasi Gravina Laterza
Prunus mahaleb	St. Lucie's Cherry	7	Roadside hedge W of 1st trulli houses
Prunus dulcis	Almond	1	Planted
Pyrus spinosa (P. amygdaliformis)	Almond-leaved Pear	4	Grounds of Hotel Parco delle Querce
Rubus fruticosus agg	Bramble	3	Reserva Naturale Le Cesine
Rubiaceae	Bedstraw Family		
Galium aparine	Cleavers	2	Scrubby grassland E of Hotel
Rubia peregrina	Wild Madder	3	Reserva Naturale Le Cesine
Sherardia arvensis	Field Madder	2	Scrubby grassland E of Hotel
Valantia hispida	Valantia	2	Punta Palascia lighthouse
Santalaceae	Sandalwood Family		
Osyris alba	Osyris	4	Grounds of Hotel Parco delle Querce
Sapindaceae	Maple Family		
Acer monspessulanus	Montpellier Maple	6	L'Oasi Gravina Laterza
Scrophulariaceae	Figwort Family		
Scrophularia lucida	a Figwort	2	Punta Palascia lighthouse
Verbascum sinuatum	a Mullein	4	Grounds of Hotel Masseria Panareo (leaves)
Tamaricaceae	Tamarisk Family		
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Scientific name	Common name	Day	Location
Thymelaeaceae	Daphne Family		
Daphne gnidium	Flax-leaved Daphne	2	Scrubby grassland E of Hotel
Ulmaceae	Elm Family		
Ulmus canescens	Mediterranean Elm	3	Reserva Naturale Le Cesine
Urticaceae	Nettle Family		
Parientaria judaica	Pellitory of the Wall	2	Otranto
Urtica membranacea	Membranous Nettle	4	Grounds of Hotel Masseria Panareo
Urtica urens	Small Nettle	4	Grounds of Hotel Masseria Panareo
Violaceae	Violet Family		
Viola alba subsp. dehnhardtii	A Violet 1 anniny	7	Bosco delle Pianelle
Viola alba subsp. derimardili Viola riviniana	Common Dog Violet	6	L'Oasi Gravina Laterza
viola IIVIIIIalia	Common Dog violet	0	L Jasi Gravilla Laterza
Vitaceae	Grape-vine Family		
Vitis vinifera	Grape	1	Planted
Monocots	Monocotyledons		
Amaryllidaceae	Daffodil Family		
Allium ampeloprasum	Wild Leek	2	Punta Palascia lighthouse
Allium neapolitanum	Naples Garlic	6	Grounds of Hotel Parco delle Querce
Allium roseum	Rosy Garlic	3	Roadside field, near Torre dell'Orso
Allium subhirsutum	Hairy Garlic	2	Punta Palascia lighthouse
Araceae	Arum Family		
Arum italicum subsp. italicum	Large Cuckoo Pint	2	Otranto
Arum italicum subsp. neglectum	-	2	Otranto
Asparagaceae	Asparagus Family		
Asparagus acutifolius	Prickly Asparagus	2	Scrubby grassland E of Hotel
Drimia (Urginea) maritima	Sea Squill	2	Scrubby grassland E of Hotel
Muscari (Leopoldia) comosum	Tassel Hyacinth	2	(leaves) Scrubby grassland E of Hotel
Muscari neglectum	Dark Grape Hyacinth	2	Scrubby grassland E of Hotel
Ornithogalum exscapum	A Star of Bethlehem	4	Grounds of Hotel Parco delle Querce
Ruscus aculeatus	Butcher's Broom	7	Bosco delle Pianelle
Ruscus hypoglossum	-	3	Reserva Naturale Le Cesine
Asphodelaceae (Xanthorrhoeaceae)	Asphodel Family		
Asphodeline lutea	Yellow Asphodel	5	Belvedere Murgia Timone,
•	·		Matera
Asphodelus ramosus	Common Asphodel	2	Scrubby grassland E of Hotel
Iridaceae	Iris Family		
Gladiolus italicus	Field Gladiolus	2	Grounds of Hotel Masseria Panareo
Iris (Hermodactylus) tuberosa	Widow or Snake's-head Iris	6	Roadside, SW of Martina Franca
Iris pseudopumila*	-	6	Roadside, SW of Martina Franca
Moraea sisyrinchium	Barbary Nut	3	Beach, Torre Specchia

Scientific name	Common name	Day	Location
Romulea bulbocodium	A Sand Crocus	7	Bosco delle Pianelle
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Juncaceae	Rush Family		
Juncus acutus	Sharp Rush	3	Reserva Naturale Le Cesine
Luzula forsteri	Southern Wood-rush	7	Bosco delle Pianelle
Orchidaceae	Orchid Family		
Note: The Orchidaceae are an evolving g between 'splitters' (eg. Delforge) and 'lumpo This follows the la	ers' (eg The Pant List - Kew).		
Anacamptis morio	Green-winged Orchid	4	Grounds of Hotel Parco delle Querce
Anacamptis papilionacea	Pink Butterfly Orchid	2	Scrubby grassland E of Hotel
Anacamptis x gennarii (A. papilionacea x morio)	Hybrid Anacamptis	4	Grounds of Hotel Parco delle Querce
Dactylorhiza romana	Roman Orchid	7	Bosco delle Pianelle
Himantoglossum robertianum	Giant Orchid	4	Grounds of Hotel Parco delle Querce
Neotinea lactea	Milky Orchid	2	Scrubby grassland E of Hotel
Ophrys bertolonii	Bertoloni's Bee Orchid	2	Scrubby grassland E of Hotel
Ophrys bombyliflora	Bumblebee Ophrys	3	Roadside, near Torre dell'Orso
Ophrys fuciflora subsp. apulica*	Apulian Ophrys	3	Reserva Naturale Le Cesine
Ophrys fuciflora subsp. parvimaculata	-	6	L'Oasi Gravina Laterza
Ophrys lutea subsp. galilea (formerly sicula)	-	4	Grounds of Hotel Parco delle Querce
Ophrys lutea subsp. lutea	Yellow Ophrys	2	Scrubby grassland E of Hotel
Ophrys sphegodes subsp. passionis (garganica)	Gargano Ophrys	6	L'Oasi Gravina Laterza
Ophrys sphegodes	Early Spider Orchid	3	Reserva Naturale Le Cesine
O. sphegodes subsp. atrata (O. incubacea)	Dark Ophrys	5	Belvedere Murgia Timone, Matera
Ophrys tenthredinifera	Sawfly Ophrys	2	Scrubby grassland E of Hotel
Ophrys x flavicans	Hybrid Ophrys	7	Grounds of Hotel Parco delle Querce
Ophrys x salentina (O.fuciflora subsp. apulica x tenthredinifera)	Hybrid Ophrys	7	Grounds of Hotel Parco delle Querce
Orchis italica	Naked Man Orchid	4	Grounds of Hotel Parco delle Querce
Serapias lingua	Tongue Orchid	6	L'Oasi Gravina Laterza
Serapias parviflora	Small-flowered Tongue Orchid	3	Roadside field, near Torre dell'Orso
Poaceae	Grass Family		
Arundo donax	Giant Reed	3	Reserva Naturale Le Cesine
Avena barbata	Bristle Oat	4	Grounds of Hotel Masseria Panareo
Avena sterilis	Barren Oat	4	Grounds of Hotel Masseria Panareo
Briza maxima	Large Quaking Grass	6	L'Oasi Gravina Laterza
Briza media	Quaking Grass	2	Scrubby grassland E of Hotel
Briza minor	Small Quaking Grass	3	Reserva Naturale Le Cesine
Bromopsis erectus	Upright Brome	6	L'Oasi Gravina Laterza
Lagurus ovatus	Hare's-foot Grass	2	Reserva Naturale Le Cesine
Phragmites australis	Common Reed	3	Reserva Naturale Le Cesine
Poa bulbosa var. vivipara	Viviperous Bulbous Meadow-grass	6	L'Oasi Gravina Laterza
Rostraria cristata	Mediterranean Hair-grass	2	Otranto
Stipa capensis	a Feather Grass	2	Scrubby grassland E of Hotel

Scientific name	Common name	Day	Location
Vulpia bromoides	Squirrel-tail Fescue	2	Scrubby grassland E of Hotel
Posidoniaceae	Posidonia family		
Posidonia oceanica	Posidonia or Neptune grass	3	Beach, Torre Specchia
Smilaceae	Smilax Family		
Smilax aspera	Common Smilax	3	Reserva Naturale Le Cesine
FUNGI:			
Red Box Fungus	Clathrus ruber	6	L'Oasi Gravina Laterza