

# The Apennines: Italy's Abruzzo National Park

Naturetrek Wildlife Festival Tour Report

16 - 23 May 2019



*Gentiana dinarica*



Red Squirrel



La Difesa



Yellowhammer

Report by Jessica Turner  
Images by Luca Boscain



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

T: +44 (0)1962 733051

E: [info@naturetrek.co.uk](mailto:info@naturetrek.co.uk)

W: [www.naturetrek.co.uk](http://www.naturetrek.co.uk)

Tour Participants: Jessica Turner, Luca Boscain, Matt Collis, Alan Miller and Nicola Scatassi (leaders) together with 35 Naturetrek clients

## Summary

The Abruzzo National Park in the central Apennines of Italy always offers a wide range of wildlife encounters, including a few surprises, set amidst a variety of habitats, and this first Abruzzo Wildlife Festiva week was no exception. For two of the group, the two Wolves crossing the path in front of them was a real treat, as was the Wolf seen by more, early one morning. The extended views of the Marsican Brown Bear from Gioia Vecchio were wonderful: a totally wild animal behaving naturally, unaffected by human influence. We did well too for sightings of Golden Eagles, and the views of the Montagu's Harriers, Ortolan Bunting and Red-backed Shrike will stay in the mind. Although it was an exceptionally late season, and flowering plants were probably three weeks behind, we saw some stunning diaplays, especially of the endemic Pansy *Viola eugeniae*, the endemic Trumpet Gentian, Lady Orchids and the Early Purple x Sparse-flowered Orchid hybrids.

Geraldine and Marco, as ever, provided a warm welcome, delicious food and wonderful hospitality, introducing us to several local specialities. Everything contributed to an excellent week in a delightful location!

## Day 1

Thursday 16th May

### UK to Rome to Pescasseroli

The group members arrived on various flights from the UK, meeting up with those who had flown out earlier and enjoyed a few days in Rome, and Luca and Nicola who had travelled from northern Italy. We sorted the vehicles and set off, three minibuses forming the advance party, the others about 20 minutes later. The traffic on the Rome ringroad was fairly slow, but not too bad, and we picked up speed as we drove east. As we went, we were able to note Umbrella Pines (*Pinus pinea*), Hooded Crows, Yellow-legged Gulls, large numbers of Swallows hawking over fields, and the occasional Common Swift, among other birds. An Osprey, seen by some, was a nice sighting. The vegetation was noticeably greener than it often is, due to the cool, wet spring.

As we drove towards the mountains, we enjoyed the little hill-top villages and gorges of the Apennine foothills. We stopped for a break just inside Abruzzo Province. Soon after, the motorways branched, and we took the A24 towards Pescara, passing the flat plain that is the remains of Lake Fucino, formerly the third largest lake in Italy. We left the autostrada beyond Avezzano, to drop down to Pescina and round the edge of the plain before climbing up into the National Park, noting the bright yellow Laburnum (*Laburnum anagyroides*), and some hearing Nightingale as we left the autostrada and on the plain. Common Buzzard and Common Kestrel were also seen by some.

The earlier group stopped at Gioia Vecchio to scan the valley and slopes, although all was quiet in terms of mammals. Some saw a Roe Deer, two Brown Hares were seen, and a couple of Red Deer hinds were near the road when the later minibuses passed. We drove through Pescasseroli to the Albergo Paradiso, where we received the usual very warm welcome from Geraldine and Marco. We quickly settled into our rooms and then

had a delicious dinner, during which Jessica outlined plans for the morrow. After a very long day, we then retired to bed.

## Day 2

Friday 17th May

Around Hotel; Val Fondillo; Opi; Gioia Vecchio or Bisegna

This morning dawned misty, and some of the group ventured out at 7am, to explore the local area. Tree Sparrows, Common Redstart and Serins were around the hotel, as was Common Firecrest which showed well. Walking up the track behind the hotel, towards a small hill, the early birders were also enjoying the local plants, including the endemic Pansy *Viola eugeniae*, the blue-flowered 'Anchusa' *Cynoglossis barrelieri*, and Solomon's-seal (*Polygonatum multiflorum*). A Red Squirrel (here a dark chocolate-brown) was seen from one of the rooms.

After an excellent breakfast, the group gathered in the morning sun, some hearing a Wryneck. With picnic bought, we set off down the Sangro valley to Val Fondillo, near Opi. This large, flat-bottomed valley holds a variety of habitats. We parked by the Visitor Centre and first scanned the slopes of Monte Marsicano, behind. The tops of the mountains were still snow-covered (some fresh), and we found a few Abruzzo Chamois, including a mother and youngster. A Golden Eagle soared over the top, and a few Red Deer were seen.

We then set off up the track, soon finding some Lady Orchids (*Orchis purpurea*), the Star-of-Bethlehem *Ornithogalum collinum*, Southern Red Bartsia (*Parentucellia latifolia*), Nice Milkwort (*Polygala nicaeensis*), Common Globularia (*Globularia vulgaris*) and Dark Grape Hyacinths (*Muscari neglectum*), among other species. A Honey Buzzard was seen, and we could see the different outline from the Common Buzzard that followed. Moving across the valley, we soon added Green-winged Orchids (*Anacamptis morio*), emerging Toothed Orchids (*Neotinea tridentata*) and a couple of Burnt Orchids (*Neotinea ustulata*). A pair of Red-backed Shrikes showed well on the Juniper bushes. A few butterflies were on the wing, including Small Heath, Wood White, Red Admiral and both the common and Berger's Clouded Yellows. Towards the Beech trees at the edge of the valley there was a magnificent display of mainly yellow, but also purple and mauve *Viola eugeniae* and under the trees, a most amazing bank of *Gentiana dinarica*, the endemic deep-blue Trumpet Gentian. Jessica had never seen such a fine display anywhere in the area – a bonus of the late season! Western Bonelli's Warbler, Chiffchaff and Blackcap were singing around us.

We dropped down to the stream, which showed evidence of extensive and severe winter flooding, although the new bridge had survived. The rocks forming a small cave held the Reddish Saxifrage *Saxifraga porophylla*, another endemic flowering well, and the strange-coloured Cut-leaved Dame's Violet (*Hesperis laciniata*). Field Crickets were chirping, and one was seen at the entrance to its burrow. We continued to explore the area, adding Marsh Tit, among other species, before wandering back to the Visitor Centre. We enjoyed a delicious picnic of local produce at the tables nearby, enjoying the mountain scenery around us.

Afterwards, some of the group opted to return to the hotel, but most visited the little hill-top village of Opi, so we drove up the steep road to the village. We parked on the main street and spent some time exploring and admiring the magnificent views in every direction. We also learnt a little of the sad history of this village. Two

Abruzzo Chamois were seen in the Sanctuary area, Black Redstart was seen, and Crag Martins were flying round the church, with Swifts higher in the sky. Some saw a Goshawk, and three Bee-eaters flew over.

After a break, some met to update our checklists, and we all enjoyed another excellent dinner, served early so we could go out afterwards. Half the group went back to Gioia Vecchio, the others to the Bisegna junction and viewpoint, seeing Red and Roe Deer. The latter group also saw a male Wild Boar. On the return journey, some saw Brown Hares, one minibus had an excellent view of Italian Hare, with its distinctive white belly and more orange coloration, while others saw a Long-eared Owl in flight, and a Beech Marten ran in front of them. We were pleased to warm up by the fire, though, after an excellent first day in the field.

## Day 3

Saturday 18th May

### Round hotel; Camosciara; Gioia Vecchio or Bisegna

As it was a cloudy night, Alan ran a moth trap in the hotel garden. There were a few moths: Puss Moth, Pale Prominent, Common Quaker and a European Noctuid *Hadena magnolia* were the macros and there were several Grey Tortrix (which can only be fully identified by dissection). Plenty of Cockchafers and a Yellow Ichneumon had also been attracted to the light. Some people went for a wander round the hotel, having good views of Black Redstart and Firecrest among the other birds seen.

The morning was grey with rain, although mainly light and not continuous. After breakfast, with the picnic bought, we headed south-east down the valley of the Sangro, past the Val Fondillo, to our destination of Camosciara in the heart of the National Park. Having parked the vehicles, we watched Redstarts and a Cirl Bunting in the parking area. We set off up the road, finding spikes of Lady Orchid (*Orchis purpurea*), Twayblade (*Neottia ovata*) and Early Purple Orchids (*Orchis mascula* subsp. *speciosa*) with pointed petals and sepals, under the trees. This valley has a very different character to Val Fondillo, being more wooded, with Dogwood (*Cornus sanguinea*), Cornelian Cherry (*Cornus mas*), Goat Willow (*Salix caprea*), Wild Pear (*Pyrus pyraster*) and Field Maple (*Acer campestre*), as well as Turkey Oak (*Quercus cerris*) in the lower part. A Cuckoo called very close to hand, and was seen flying from a tree, and Blackcaps, Chiffchaff, Song Thrush and Wren were singing. A couple of Red Deer hinds were seen running up a nearby hillslope and, shortly afterwards in the same area, a Wild Boar with two ginger-striped piglets were seen coming down into the valley, giving good views before being hidden by trees.

By the stream, we found more, beautiful blue endemic Trumpet Gentians (*Gentiana dinarica*), a spike of Columbine (*Aquilegia vulgaris*), the enormous kidney-shaped leaves and single yellow flowers of Thore's Buttercup (*Ranunculus thora*), Shrubby Milkwort (*Polygala chamaebuxus*) with red- or yellow-and-white or -magenta flowers, and a Sword-leaved Helleborine (*Cephalanthera longifolia*) still in bud. The leaves of the endemic, large-flowered Camosciara Butterwort (*Pinguicula vallis-regiae*) could be seen on the far bank. Unfortunately, most of the Lady's Slipper Orchids (*Cypripedium calceolus*) were barely showing buds, but one plant had a flower which was nearly out. The mauve Coralroot Bittercress was flowering beautifully, as was Apennine Lungwort (*Pulmonaria apennina*), and we noted the large leaves of Green False-helleborine (*Veratrum lobelianum*). The weather meant that very few insects were seen, but some Bee Flies were sheltering in an Early Purple Orchid.

After stopping for coffee at the little bar at the end of the road, the group split, with some returning, and others going further. The latter group climbed through the Beech wood to the waterfalls Cascata delle Tre Cannelle and Cascata delle Ninfe (Cascade of Three Channels and Cascade of the Nymphs), magnificent after all the rain. Wood Warblers were singing, Bonelli's Warbler was seen well, and a Dipper was seen in the stream. The yellow Bear's Ears (*Primula auricula*) were still very fresh. As they returned, a Golden Eagle was seen, as well. The others walked back down the road, continuing to enjoy the ambience. For one couple, walking by themselves, the walk was particularly rewarding as they were watching a pair of Ring Ouzels and two Wolves ran across the path, a short distance in front of them. What a privilege!

We returned to the warmth and dry of the hotel to enjoy another delicious picnic and an afternoon at leisure, with some people further exploring the local area. After an early dinner, most of the group ventured out again, reversing the destinations of the previous evening. A Wild Boar and some Red Deer were seen at Gioia Vecchio, plus a Long-eared Owl in flight, while those scanning the meadows off the Bisegna Road had good views of Red Deer, including a couple of Stags, Brown Hare, and a couple of Red Fox, which were sitting on the road as we returned. The Cuckoos were singing constantly, and Tawny Owl was calling.

## Day 4

Sunday 19th May

### Gioia Vecchio; Alba Fucens via Bisegna and Pescina, back on Circonfucense

This morning dawned fine but cloudy, and quite a number were out at first light, to scan for mammals. They saw a number of Red Deer, but otherwise all was quiet.

After breakfast, with a forecast of heavy showers, we decided to drive to a lower altitude, to visit the Roman remains at Alba Fucens, north of Avezzano. We set off, taking the road to Bisegna, and making our first stop at the high meadow we know as the Bisegna viewpoint, as the previous evening, we'd noticed some orchids there. There was a lemon-yellow Elder-flowered Orchid (*Dactylorhiza sambucina*) and a good number of Sparse-flowered Orchids (*Orchis pauciflora*), so we were able to compare the two species, the former having obvious leafy bracts in the flower. There were also many Early Purple Orchids (*Orchis mascula* subsp. *speciosa*) and hybrids with Sparse-flowered (*Orchis* × *colemanni*), showing a range of intermediate colours and mixtures of characters. Nearby the strange-looking plant *Solenanthes* (*Solenanthes apenninus*) was just coming into flower and an endemic Spurge (*Euphorbia gasparrinii* subsp. *samnitica*). Skylark and Stonechat were seen, and Hoopoes and Tree Pipits heard. A tiny moth was Diamond-backed, which migrates, sometimes in large numbers, from Africa.

Moving on, we stopped again just outside the village of Bisegna, at a rocky cliff which held a pair of Rock Buntings. Nightingales were singing (they were the constant accompaniment to our day at lower levels), and there were some *Ophrys* orchids on the verge. Taxonomists generally fall into two groups when identifying this family: the 'splitters', looking at physical variations, and the 'lumpers', usually working with DNA. As *Ophrys* hybridise readily and show evolution in action, they can be hard to name. Anyway, these ones were mainly the *Ophrys promontorii* type, which is now classified as *Ophrys* × *flavicans*, being of hybrid origin. There were also Early Spider Orchids (*Ophrys sphegodes*). Other plants included a magnificent sward of the Perennial Flax *Linum alpinum* growing above us, so we could see the beautiful vivid-blue of the partially open flowers, Golden Drops (*Onosma*

*echioides*), Burnt Candytuft (*Aethionema saxatile*), Spiny Broom (*Cytisus spinescens*) and Amelanchier (*Amelanchier ovalis*). We eventually continued our descent, passing plenty of Leopard's-bane (*Doronicum columnae*) flowering under the fresh-green Beech trees. We stopped for coffee in Pescina, where the band was playing in the square, Swifts were screaming overhead, and a White Helleborine (*Cephalanthera damasonium*) was in flower.

Our road took us along the northern edge of the plain that was Lake Fucino, once the third-largest lake in Italy, and finally drained in the late 1800's. A ringtail Montagu's Harrier caused a stop on the SS83, and we were able to have excellent views of a pair, the male sitting on a post. We also had very good views of Ortolan Bunting, the male singing from the top of a tree. A Hobby flew overhead, a Stonechat family and Common Whitethroat were among the other birds, and a Common Heath moth was on the wing. We were by a semi-cultivated field, which held botanical delights including Pheasant's-eye (*Adonia annua*), Tuberous Geranium (*Geranium tuberosum*), Tassel Hyacinth (*Leopoldia comosa*) and Corn Buttercup (*Ranunculus arvensis*).

The rain started again, and we passed through a heavy shower as we completed our drive to Alba Fucens, which lies under the imposing Monte Velino. It was originally an ancient Italic town, on the border between the Marsi and the Equi tribes, taken over by a Roman colony, due to its strategic importance (on the edge of the lake and the route to the coast), but finally destroyed by the Saracens in the 10th Century. It has a large amphitheatre and well-preserved streets and columns, and also holds interesting plants, birds and insects. While lunch was being prepared, in a bright period, the group explored the area, finding Green-winged Orchids (*Anacamptis morio*), Early Spider Orchids (*Ophrys sphegodes*), Late Spider Orchids (*Ophrys fuciflora*), including the form sometimes known as *Ophrys dinarica*, and Bertoloni's Bee Orchid (*Ophrys bertolonii*). They also found a large female Common Toad and a dead Western Green Lizard.

We were able to have our picnic under the cover of an awning and inside a bar, and then we set off again, this time in the rain, to explore further. The church on the hill, originally a temple to Apollo, was opened for us to look round. We added Burnt Orchids (*Neotinea ustulata*), spikes of Adriatic Lizard Orchid (*Himantoglossum adriaticum*), not yet open, Bedstraw Broomrape (*Orobanche caryophyllacea*), emerging Thyme Broomrape (*O. alba*) and Yellow Milkwort (*Polygala flavescens*) to the plant list, while insect life included Spotted Fritillary, Small Copper, Common Blue, the silken webs and caterpillars of Spindle Ermine moth (on Spindle bushes), Bird Cherry Ermine (on Blackthorn and St. Lucie's Cherry), and Ascalaphids. Linnet, Cirl Bunting and Black Redstart were among the birds.

We set off on our long journey home, this time taking the lower, Circonfucense road which is on the level of the plain. A Hobby was perched in a Willow, and a Marsh Harrier gave excellent views. Two Turtle Doves and a Hoopoe flew across, and we stopped to look at a family of Stonechats and a Northern Wheatear. Some stopped for Coot and Little Grebe on a small lake, and Cetti's Warbler called. We rejoined the main road at Gioia dei Marsi, climbing up past Gioia Vecchio, enjoying the stunning evening light. A downpour greeted us in Pescasseroli but didn't last.

We met at 7.30pm for a leisurely dinner and a quiet evening, after another excellent day.

## Day 5

Monday 20th May

Gioia Vecchio; La Difesa; Vallone Pesco di Lordo; out again

This morning dawned bright, although with more cloud than recently, and with the forecast of rain later in the day. Some of the group were out at 7am round the hotel, enjoying the now-familiar species of the area. The search for Wryneck, which could be heard, resulted in a good but very brief view for some, before it flew off.

After breakfast, we took the vehicles a short distance to the start of the day's walk in the Difesa forest. We set off up the track past moss- and lichen-covered boulders and large, old Beech trees. Cuckoo, Song Thrush and Chiffchaff were singing loudly, among the other birds, and Yellow Anemones (*Anemone ranunculoides*) were still fresh. We found some pink Bird-in-a-bush (*Corydalis cava*), together with one of the ancient-woodland indicator species, Herb-Paris (*Paris quadrifolia*), still in bud, Sweet Woodruff (*Galium odoratum*), and the leaves of Round-leaved Saxifrage (*Saxifraga rotundifolia*), abundant on boulders. Bank Voles were numerous and provided much entertainment. Some very rotten trees held interesting fungi, including Hoof Fungus, and some beautiful clumps of Lungwort lichen, and we saw evidence of wood-boring beetles in the many tunnels and holes but could find any adults. A clearing with enormous water troughs, reminded us of the importance of sheep in the past, and the 'transhumanza', as they were moved to Puglia for the winter months. There were strings of fresh spawn of Common Toad, and the stream held large numbers of Caddis Fly larval cases. Hoopoe was calling, but remained elusive, and some saw Collared Flycatcher.

The group split, with some continuing on the path up through La Difesa, enjoying the beauty of the forest, Wood and Bonelli's Warblers and Collared Flycatcher, but not finding Woodpeckers. The others turned off the track into the Vallone Pesco di Lordo, an open valley. A Spring Crocus (*Crocus vernus*) was by the path, and the endemic Alpine Wood Forget-me-not (*Myosotis graui*) was starting to flower. Up the slope we found several large clumps of the endemic Marsican Iris (*Iris marsica*), a species restricted to this area, although resembling the 'ordinary' Garden Iris (*Iris germanica*). Some were in a loosely fenced enclosure with a few just coming into flower. We also saw the beautiful pink endemic form of Ashy Crane's-bill (*Geranium austroapenninum*). A Red-backed Shrike was seen well, perched on top of a tree, and we had good views of a Roe Deer. While insect life was sparse, we found a beautiful micro-moth *Pyrausta purpuralis*, with purple and gold wings. The weather started to change as we made our way back, some getting rather wet.

We enjoyed our picnic in the dry of the hotel, and the afternoon was at leisure. As the weather brightened again, a number walked into the village or around the area, and Red Squirrel was seen. Having updated the checklists, we enjoyed another excellent meal, before venturing out into the fine evening. Groups went to Gioia Vecchio, the Bisegna viewpoint and also past Opi. Good views of Red Deer, especially of some fine stags, a group of nine Wild Boar in the meadows by Opi and one in the valley at Gioia Vecchio, Roe Deer barking, Fox and both Brown and Italian Hare were reported, plus a brief snatch of Nightjar calling. In the very last light, Matt had a glimpse of a couple of distant Wolves in the Bisegna meadow, but sadly, no one else could get on to them. We later heard that a bear had been seen at Gioia Vecchio earlier in the evening.

## Day 6

Tuesday 21st May

### Gioia Vecchio; Barrea; Lago di Barrea; Gioia Vecchio

We woke to another grey morning, but the early risers were out at 5.15am, driving to Gioia Vecchio. Just north of the village, some of them saw a Wolf, crossing a meadow with something in its mouth. They also saw several Red and Roe Deer. Another group saw Red-backed Shrike, Cirl Bunting, nine Red and a Roe Deer and four Mistle Thrush. Those out near the hotel (from 7am) had good views of Serin, Common and Black Redstarts, plus a Peregrine Falcon with prey. As it had been a cool, damp night, there were only two moths in the trap, a male and female Light Feathered Rustic.

After breakfast we left to drive down the valley to Villetta Barrea, at the end of the Lago di Barrea. Here, we were intending to look at the higher altitudes by road, by driving to the Passo Godi, but we found the road closed due to a landslip. We therefore drove on to the far end of the lake, to the hillside town of Barrea. We parked in Barrea overlooking the lake, where there was a break for refreshments. We then took the short path which climbs to Barrea Gorge, as the sun came out. A Red Kite was seen, and then Golden Eagle flew in, perching on a rock, giving good but distant views, and later, a second bird was seen. A number of Red-billed Choughs were flying round and entering the cave opposite, a Crag Martin was seen there, while Swallows were swooping past us. Three Red Deer were seen on the cliff, and we could also see a patch of the endemic Marsican Iris (*Iris marsica*) and spikes of Yellow Asphodel (*Asphodeline lutea*).

Nearer to hand, plants included Tuberous Valerian (*Valeriana tuberosa*), lots of Dark Grape Hyacinth (*Muscari neglectum*), Burnt Orchids (*Neotinea ustulata*), Cotoneaster (*Cotoneaster integerrimus*), and an endemic Houseleek *Sempervivum ricci*. A spike of Thick-leaved Saxifrage (*Saxifraga callosa*) was not quite out, but the tiny, silvery plant in the Pink Family, *Paronychia kapela* was showing its silvery bracts, like fingernails (hence its name). Among the insects, Small Heath, Orange Tip, Southern Grizzled Skipper and Dingy Skipper butterflies, a Longhorn micro moth *Nemophora degeerella*, Red-collared Longhorn Beetle and the egg cases of a Mantid species were noted. We had plenty of time to relax and explore and, as we slowly made our way back down, we found some beautiful Elder-flowered Orchids (*Dactylorhiza sambucina*), a Hoopoe took off from a grassy patch and a Nightingale was singing nearby. Thick-leaved Stonecrop (*Sedum dasyphyllum*) just coming into flower on the walls, and the Dandelion-like Cut-leaved Viper's-grass (*Podospermum laciniatum*) was in the verges.

We drove to a café by the lake side, just over the bridge to Civitella Alfadena, and enjoyed our picnic on the shore in the shelter of a cafe. Mallard, Coot and a raft of Great-crested Grebes were on the water, where Carp could be seen. A Honey Buzzard flew over, while Nuthatch and Short-toed Treecreeper were in the trees. White Helleborine (*Cephalanthera damasonium*) was in bud in a glade, and there were some fine Lady Orchids (*Orchis purpurea*) in flower. A couple of Red Deer stags were by the roadside in Villetta Barrea, looking photogenic. As we returned, a couple of the dark chocolate-brown Red Squirrels were in the garden, one sitting still on a branch, eating a cone.

After another delicious dinner, we headed out again, going in three directions, to Gioia Vecchio, Bisegna and Opi. Matt's minibus saw a Fox on the way out. At Gioia Vecchio, there was much excitement – a Bear was in the valley! We all leapt out of the minibuses and were soon seeing her well through the scopes as she walked through

the patchwork of clearings; it was a female with a limp, who has frequented this area for several years. Alan's minibus was called over from Bisegna, and they arrived in time to see her moving back up the hill slope. She seemed anxious and kept looking over her shoulder or pausing and turning round – we wondered whether she could smell a male Bear. Eventually she disappeared into the trees. The other group, beyond Opi, saw a Wild Boar, Red Deer, and a female Toad amongst other wildlife.

## Day 7

Wednesday 23rd May

### Val di Rose / Castel Mancino

This morning dawned bright and sunny. One minibus was out very early, but no wolves were sighted this morning.

With a finer day in prospect, about half the group set out to do our high walk, up the Val di Rose. With picnics made, they set out at 8.30am, driving back down the valley to Villetta Barrea and then up to Civitella Alfedena, where they parked. The path climbs through a patchwork of Beech forest and glades. Wood Warbler was singing and was seen. Under the trees, a number of Bank Voles were seen, and they found Wolf scat, full of hair. In the glades a few butterflies were on the wing, Small Heath, Brimstone, Red Admiral and Small Tortoiseshell being recorded. At the last glade before the tree line, a Lilford's White-backed Woodpecker was heard and then seen flying round one tree, and an Asp Viper was also seen briefly.

One above the trees, they were able to enjoy the open alpine meadows, with less snow than had been expected. Plants included beautiful Spring Gentians (*Gentiana verna*), the endemic form of Alpine Wood Forget-me-not (*Myosotis graui*), Yellow Whitlow-grass (*Draba aizoides*), Mezereon (*Daphne mezereum*), Alpine Squill (*Scilla bifolia*), Spring Crocus (*Crocus verna*) and Early Yellow Star-of-Bethlehem (*Gagea bohemica*), all flowering well. The Pansies (*Viola eugeniae*) up here tended to be predominantly purple, in contrast to lower altitudes. Red-billed Chough and Rock Thrush were seen, and Alpine Accentor heard by some. However, the starts of the show were the Abruzzo Chamois, especially one confiding individual who was very close. Some of the group climbed to the ridge to enjoy the stunning views in all directions. Having completed the descent in the dry, the group had time for refreshments in the village before returning to the hotel. It had been a fantastic walk.

The other group had a more relaxed breakfast, with time to explore Pescasseroli or go shopping afterwards. Some then opted to stay in the village and walk back, while the rest of us drove up to the town cemetery, where we started our walk up Castel Mancino. The path climbs gently through the trees, where we had good views of Nuthatch and Firecrest, and heard Bonelli's Warbler, among other species. Butterflies included Wood White, Painted Lady and a wonderfully fresh Swallowtail, and a vivid-green Western Green Lizard with a regrown tail was basking on a rock. New plants included flowering Rock-rose (*Helianthemum nummularium*) and Dodder (*Cuscuta epithimum*), with its red, thread-like stems and miniscule leaves. We enjoyed the views down over the settlement and beyond. After a final, delicious picnic on the sun terrace at the hotel, after which a Golden Eagle flew overhead and Wryneck was calling nearby, some of us returned to Pescasseroli to sample a genuine 'gelato'. Unfortunately, that had to be enjoyed under cover, as a short but heavy shower came on, while those back at the hotel were still enjoying the sun. We then had free time until 5.15pm, when some opted to return to Gioia Vecchio, for some last-day scanning. There were plenty of watchers, but all was quiet, and a cold wind got up, so

one minibus returned to the hotel. The others stayed an extra half hour, seeing a Red Deer stag and a hind with a very young fawn.

We gathered for our last, excellent meal, finished off by an enormous tiramisu cake complete with candle, in honour of John's birthday. We then retired, in preparation for an early start the following day.

## Day 8

Thursday 23rd May

Pescasseroli to Rome and onwards.

After an early breakfast, we loaded the buses and said our farewells and thanks to Marco, Geraldine and the staff at Albergo Paradiso, who had looked after us so well. The first minibus left at 6am, the others at 6.30. It was very misty, but the sun was already starting to burn it off. We drove back through the park, still watching, just in case... Red Fox, Hoopoe and Cuckoo were seen, Nightingale was heard, and a few Rose-ringed (Ring-necked) Parakeets were near the airport. We made good time, including a break, and dropped everyone at Departures, where we said our farewells, as Jessica, Alan, Matt and Luca were staying on to meet another group. We left with many memories of the beautiful and fascinating area that is the Abruzzo National Park, especially for most of the group, of that Bear ...

Jessica, Alan, Matt, Nico and Luca would like to thank all the group members for being such an excellent lovely group. Despite the less-than-perfect weather, we had a fantastic time and a lot of laughter. We hope to meet you again some time.

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## Species Lists

Plants (\* = a species is endemic)

Nomenclature contained within this list follows the taxonomic amendments, based on DNA analysis, made by the Royal Botanic Gardens, Kew and the Missouri Botanic Garden, and following The Plant List, an internationally accepted list of vascular plant families, published and maintained by these two Institutions.

Scientific name	Common name	Day	Location
<b>PTERIDOPHYTES</b>			
<b>Leptosporangiate Ferns</b>			
<b>Aspleniaceae</b>			
<i>Asplenium adiantum-nigrum</i>	Black Spleenwort	6	Lago di Barrea
<i>Asplenium ceterach</i>	Rusyback	2	Val Fondillo
<i>Asplenium ruta-muraria</i>	Wall Rue	2	Val Fondillo
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	2	Val Fondillo
<b>Cystopteraceae</b>			
<i>Cystopteris fragilis</i>	Brittle Bladder-fern	2	Val Fondillo
<b>Polypodiaceae</b>			
<i>Polypodium vulgare</i> agg.	Common Polypody	5	La Difesa
<b>GYMNOSPERMS</b>			
<b>Cupressaceae</b>			
<i>Juniperus communis</i>	Common Juniper	2	Val Fondillo
<i>Juniperus communis</i> var. <i>saxatilis</i>	Dwarf Juniper	7	Val di Rose
<b>Pinaceae</b>			
<i>Pinus mugo</i>	Dwarf Mountain Pine	7	Val di Rose
<i>Pinus nigra</i> subsp. <i>nigra</i>	Austrian or Black Pine	6	Near Villetta Barrea
<i>Pinus pinea</i>	Umbrella Pine	1	Roadsides
<i>Pinus sylvestris</i>	Scots Pine	7	Castel Mancino
<b>ANGIOSPERMS</b>			
<b>Eu-dicots</b>			
<b>Adoxaceae</b>			
<i>Adoxa moschatellina</i>	Moschatel	5	La Difesa
<i>Sambucus ebulus</i>	Dwarf Elder	5	La Difesa
<i>Sambucus nigra</i>	Elder	1	Roadsides
<i>Viburnum lantana</i>	Wayfaring Tree	2	Val Fondillo
<b>Apiaceae</b>			
<i>Aegopodium podagraria</i>	Ground Elder	3	Camosciara
<i>Bupleurum rotundifolium</i>	Thorow-wax	4	Circonfucense
<i>Conium maculatum</i>	Hemlock	4	Circonfucense
<i>Eryngium amethystinum</i>	Blue Eryngo	2	Val Fondillo, leaves only
<i>Scandix pecten-veneris</i>	Shepherd's Needles	4	Roadside stop SS83
<i>Seseli montanum</i> subsp. <i>tommasinii</i>	Seseli	2	Val Fondillo, leaves only
<b>FERNS &amp; ALLIES</b>			
<b>True Ferns</b>			
<b>Spleenwort Family</b>			
<b>Bladder-fern Family</b>			
<b>Polypody Family</b>			
<b>CONIFERS</b>			
<b>Juniper Family</b>			
<b>Pine Family</b>			
<b>FLOWERING PLANTS</b>			
<b>True Dicotyledons</b>			
<b>Moschatel Family</b>			
<b>Carrot Family</b>			

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<b>Araliaceae</b>			
<i>Hedera helix</i>	Ivy Family Ivy	3	Camosciara
<b>Betulaceae</b>			
<i>Carpinus betulus</i>	Birch Family Hornbeam	6	Lago di Barrea
<i>Corylus avellana</i>	Hazel	2	Val Fondillo
<b>Boraginaceae</b>			
<i>Anchusa azurea</i>	Forget-me-not Family Large Blue Alkanet	4	SS83 stop
<i>Cynoglossis barrellieri</i>	an Anchusa (Blue)	2	Val Fondillo
<i>Echium vulgare</i> subsp. <i>pustulatum</i>	a Viper's-bugloss	2	Val Fondillo
<i>Myosotis graui</i> *	Alpine Wood Forget-me-not	5	Vallone Pesco di Lordo
<i>Myosotis ramosissima</i>	Early Forget-me-not	2	Val Fondillo
<i>Myosotis sylvatica</i>	Wood Forget-me-not	2	Val Fondillo
<i>Onosma echioides</i>	A Golden-drops	4	Near Bisegna
<i>Pulmonaria cf apennina</i> *	A Lungwort	3	Camosciara
<i>Solenanthes apenninus</i> *	Solenanthes	4	Bisegna viewpoint
<b>Brassicaceae</b>			
<i>Aethionema saxatile</i>	Cabbage Family Burnt Candytuft	4	Near Bisegna
<i>Alliaria petiolata</i>	Garlic Mustard	2	Val Fondillo
<i>Alyssum diffusum</i> *	a Yellow Alyssum	6	Barrea Gorge
<i>Alyssum simplex (minus)</i>	an Alyssum	2	Val Fondillo
<i>Arabis caucasica</i>	Alpine Rock-cress	2	Val Fondillo
<i>Arabis hirsuta</i>	Hairy Rock-cress	2	Val Fondillo
<i>Arabis turrita</i>	Towercress	7	Val di Rose
<i>Aubrieta columnae</i> subsp. <i>columnae</i> *	Aubrieta	3	Camosciara
<i>Barbarea</i> sp.	A Wintercress	3	Camosciara
<i>Cardamine bulbifera</i>	Coralroot Bitter-cress	3	Camosciara
<i>Cardamine enneaphyllos</i>	Drooping Bitter-cress	3	Camosciara
<i>Cardamine flexuosa</i>	Wavy Bitter-cress	5	La Difesa
<i>Draba aizoides</i>	Yellow Whitlow-grass	7	Val di Rose
<i>Erysimum pseudorhaeticum</i> *	a Treacle Mustard	2	Val Fondillo
<i>Hesperis laciniata</i>	Cut-leaved Dame's Violet	2	Val Fondillo
<i>Isatis tinctoria</i>	Woad	3	By Camosciara
<i>Lepidium draba</i>	Hoary Cress	4	SS83 stop
<i>Microthlaspi perfoliatum</i>	Cotswold Penny-cress	4	SS83 stop
<i>Nasturtium officinale</i>	Watercress	2	Val Fondillo
<i>Thlaspi caerulescens</i> ssp. <i>brachypetalum</i>	Alpine Penny-cress	7	Val di Rose
<i>Thlaspi praecox</i>	Early Penny-cress	2	Val Fondillo
<b>Caprifoliaceae</b>			
<i>Dipsacus fullonum</i>	Honeysuckle Family Wild Teasel	2	Val Fondillo
<i>Lonicera alpigena</i>	Alpine Honeysuckle	3	Camosciara
<i>Lonicera etrusca</i>	Etruscan Honeysuckle	6	Lago di Barrea
<b>Caryophyllaceae</b>			
<i>Cerastium tomentosum</i>	Pink Family Snow-in-Summer	2	Val Fondillo
<i>Dianthus sylvestris</i>	Wood Pink	7	Castel Mancino
<i>Herniaria glabra</i>	Smooth Rupturewort	4	Alba Fucens

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<i>Paronychia kapela</i>	a Paronychia	6	Barrea Gorge
<i>Silene dioica</i>	Red Campion	4	Roadsides
<i>Silene italica</i>	Italian Catchfly	4	Alba Fucens
<i>Silene latifolia</i>	White Campion	2	Val Fondillo
<i>Stellaria media</i>	Chickweed	6	Lago di Barrea
<i>Stellaria nemorum</i>	Wood Stitchwort	3	Camosciara
<b>Celastraceae</b>	<b>Spindle Family</b>		
<i>Euonymus europaeus</i>	Spindle Tree	4	Alba Fucens
<b>Cistaceae</b>	<b>Rock-rose Family</b>		
<i>Helianthemum apenninum</i>	White Rockrose	4	Near Bisegna
<i>Helianthemum nummularium</i>	Rockrose	7	Castel Mancino
<b>Compositae (Asteraceae)</b>	<b>Daisy Family</b>		
<i>Bellis perennis</i>	Daisy	2	Val Fondillo
<i>Bellis sylvestris</i>	Southern Daisy	6	Barrea Gorge
<i>Calendula arvensis</i>	Field Marigold	4	SS83 stop
<i>Carduus chrysacanthus</i>	Apennine Thistle	6	Barrea Gorge
<i>Carduus nutans</i> subsp. <i>perspinosus</i> *	a Musk Thistle	4	Alba Fucens
<i>Carlina acanthifolia</i>	Acanthus-leaved Carlina Thistle	2	Val Fondillo (old leaves)
<i>Carlina vulgaris</i>	Carlina Thistle	2	Val Fondillo
<i>Cirsium tenoreanum</i>	a Woolly Thistle	2	Val Fondillo (leaves)
<i>Cyanus (Centaurea) triumfettii</i>	A Perennial Cornflower	4	Near Bisegna
<i>Doronicum columnae</i>	Heart-leaved Leopard's-bane	4	Roadsides near Ortona
<i>Eupatorium cannabinum</i>	Hemp Agrimony	3	Camosciara (leaves)
<i>Jurinea mollis</i>	a 'soft thistle'	4	Near Bisegna
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	2	Val Fondillo
<i>Petasites hybridus</i>	Butterbur	2	Val Fondillo
<i>Podospermum canum</i>	a Cut-leaved Viper's-grass	6	Barrea Gorge
<i>Senecio vulgaris</i>	Groundsel	2	Opi
<i>Silybum marianum</i>	Milk Thistle	4	SS83 stop
<i>Tragopogon porrifolius</i>	Salsify	4	SS83 stop
<i>Tragopogon pratensis</i>	A Goat's-beard	4	SS83 stop
<b>Convolvulaceae</b>	<b>Bindweed Family</b>		
<i>Convolvulus cantabrica</i>	Pink Bindweed	4	Near Bisegna
<i>Cuscuta epithymum</i>	Common Dodder	7	Castel Mancino
<b>Cornaceae</b>	<b>Dogwood Family</b>		
<i>Cornus mas</i>	Cornelian Cherry	3	Camosciara
<i>Cornus sanguinea</i>	Dogwood	3	Camosciara
<b>Crassulaceae</b>	<b>Stonecrop Family</b>		
<i>Sedum acre</i>	Biting Stonecrop	2	Val Fondillo
<i>Sedum album</i>	White Stonecrop	5	La Difesa
<i>Sedum dasyphyllum</i>	Fat-leaved Stonecrop	2	Val Fondillo
<i>Sedum hispanicum</i>	A Stonecrop	2	Val Fondillo
<i>Sempervivum riccii</i> *	A Houseleek	6	Barrea Gorge

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<b>Cucurbitaceae</b>	<b>Gourd Family</b>		
<i>Bryonia dioica</i>	White Bryony	4	Circonfucense
<b>Euphorbiaceae</b>	<b>Spurge Family</b>		
<i>Euphorbia amygdaloides</i>	Wood Spurge	3	Camosciara
<i>Euphorbia cyparissias</i>	Cypress Spurge	2	Val Fondillo
<i>Euphorbia dulcis</i>	Sweet Spurge	3	Camosciara
<i>Euphorbia gasparrinii</i> subsp. <i>samnitica</i> *	An endemic Spurge	4	Bisegna viewpoint
<i>Euphorbia helioscopia</i>	Sun Spurge	3	Camosciara
<i>Euphorbia myrsinites</i>	Glaucous Spurge	2	Val Fondillo
<i>Mercurialis perennis</i>	Dog's Mercury	3	Camosciara
<b>Fagaceae</b>	<b>Beech Family</b>		
<i>Fagus sylvatica</i>	Beech		Common
<i>Quercus cerris</i>	Turkey Oak	3	Camosciara
<i>Quercus pubescens</i>	Downy Oak	1	Roadsides
<b>Gentianaceae</b>	<b>Gentian Family</b>		
<i>Gentiana cruciata</i>	Cross Gentian	2	Val Fondillo (leaves)
<i>Gentiana dinarica</i> *	a Trumpet Gentian	2	Val Fondillo
<i>Gentiana verna</i>	Spring Gentian	7	Val di Rose
<b>Geraniaceae</b>	<b>Crane's-bill Family</b>		
<i>Erodium ciconium</i>	Long-beaked Stork's-bill	4	SS83 stop
<i>Erodium cicutarium</i>	Common Stork's-bill	2	Val Fondillo
<i>Geranium austroapenninum</i> * ( <i>subcaulescens</i> )	Ashy Crane's-bill	5	Vallone Pesco di Lordo
<i>Geranium lucidum</i>	Shining Crane's-bill	2	Opi
<i>Geranium molle</i>	Dove's-foot Crane's-bill	6	Barrea Gorge
<i>Geranium pyrenaicum</i>	Hedgerow Crane's-bill	4	Alba Fucens
<i>Geranium robertianum</i>	Herb Robert	2	Val Fondillo
<i>Geranium tuberosum</i>	Tuberous Crane's-bill	4	SS83 stop
<b>Grossulariaceae</b>	<b>Gooseberry Family</b>		
<i>Ribes alpina</i>	Alpine Currant	2	Near Hotel
<i>Ribes uva-crispa</i>	Gooseberry	5	La Difesa
<b>Juglandaceae</b>	<b>Walnut Family</b>		
<i>Juglans regia</i>	Walnut	1	Roadsides
<b>Lamiaceae</b>	<b>Deadnettle Family</b>		
<i>Ajuga chamaepitys</i>	Ground Pine	2	Val Fondillo
<i>Ajuga reptans</i>	Bugle	2	Val Fondillo
<i>Clinopodium acinos</i>	Basil Thyme	4	Near Bisegna
<i>Lamium album</i>	White Dead-nettle	2	Opi
<i>Lamium amplexicaule</i>	Henbit Dead-nettle	6	Barrea Gorge
<i>Lamium garganicum</i>	Large Red Dead-nettle	2	Opi
<i>Lamium maculatum</i>	Spotted Dead-nettle	3	Camosciara
<i>Lamium purpureum</i>	Red Dead-nettle	4	SS83 stop
<i>Mentha longifolia</i>	Horse Mint	2	Val Fondillo
<i>Salvia verbenaca</i>	Wild Clary	3	Camosciara

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<i>Satureja montana</i>	Winter Savory	4	Near Bisegna
<i>Sideritis italica</i>	A Sideritis	4	Near Bisegna / Alba Fucens
<i>Stachys germanica</i>	Downy Woundwort	4	Near Bisegna (leaves)
<i>Thymus oenipontanus</i>	Wild Thyme	2	Val Fondillo
<b>Leguminosae (Fabaceae)</b>	<b>Pea Family</b>		
<i>Anthyllis vulneraria</i> agg.	Kidney Vetch	2	Val Fondillo
<i>Astragalus depressus</i>	Sprawling Milk-vetch	4	Near Bisegna
<i>Astragalus monspessulanus</i>	False Vetch	2	Val Fondillo
<i>Cytisus (Chamaecytisus) hirsutus</i>	Hairy Broom	4	Near Bisegna
<i>Cytisus (Chamaecytisus) spinescens</i>	Spiny Hairy Broom	2	Val Fondillo
<i>Genista tinctoria</i>	Dyer's Greenweed	4	Roadsides
<i>Hedysarum coronarium</i>	Italian Sainfoin	1	Roadsides
<i>Hippocrepis comosa</i>	Horseshoe Vetch	2	Val Fondillo
<i>Hippocrepis emerus</i>	a Scorpion Vetch (shrub)	4	Near Bisegna
<i>Laburnum anagroides</i>	Laburnum	1	Roadsides
<i>Lathyrus aphaca</i>	Yellow Vetchling	2	Val Fondillo
<i>Lathyrus setifolius</i>	Red Grass Vetchling	4	Alba Fucens
<i>Lathyrus vernus</i>	Spring Pea	3	Camosciara
<i>Lotus corniculatus</i>	Bird's-foot Trefoil	2	Val Fondillo
<i>Medicago lupulina</i>	Black Medick	2	Val Fondillo
<i>Medicago sativa</i>	Lucerne	4	SS83 stop
<i>Melilotus officinalis</i>	Melilot	4	SS83 stop
<i>Onobrychis viciifolia</i>	Sainfoin	4	SS83 stop
<i>Spartium junceum</i>	Spanish Broom	1	Roadsides
<i>Trifolium nigrescens</i>	A small white clover	2	Val Fondillo
<i>Trifolium pratense</i>	Red Clover	4	Alba Fucens
<i>Trifolium repens</i>	White Clover	4	Alba Fucens
<i>Vicia pannonica</i>	A pink Vetch	4	Alba Fucens
<i>Vicia sativa</i> agg.	Common Vetch	6	Barrea Gorge
<i>Vicia villosa</i>	Fodder Vetch	6	Barrea Gorge
<b>Lentibulariaceae</b>	<b>Butterwort Family</b>		
<i>Pinguicula vallis-regiae</i> *	Camosciara Butterwort	3	Camosciara (leaves)
<b>Linaceae</b>	<b>Flax Family</b>		
<i>Linum alpinum</i>	a Perennial Flax	4	Near Bisegna
<i>Linum bienne</i>	Pale Flax	6	Barrea Gorge
<b>Malvaceae</b>	<b>Mallow Family</b>		
<i>Malva sylvestris</i>	Common Mallow	1	Roadsides
<b>Oleaceae</b>	<b>Olive Family</b>		
<i>Fraxinus excelsior</i>	Ash	6	Lago di Barrea
<i>Fraxinus ornus</i>	Flowering Ash	1	Roadsides
<b>Orobanchaceae</b>	<b>Broomrape Family</b>		
<i>Euphrasia</i> agg.	Eyebright	7	Castel Mancino
<i>Orobanche alba</i>	Thyme Broomrape	4	Alba Fucens
<i>Orobanche caryophyllacea</i>	Bedstraw Broomrape	4	Alba Fucens

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<i>Parentucellia latifolia</i>	Southern Red Bartsia	2	Val Fondillo
<i>Pedicularis hoermanniana</i>	a Leafy Lousewort	3	Camosciara (leaves)
<i>Rhinanthus minor</i> agg.	Yellow Rattle	2	Val Fondillo
<b>Papaveraceae</b>	<b>Poppy Family</b>		
<i>Chelidonium majus</i>	Greater Celandine	2	Val Fondillo
<i>Corydalis cava</i>	a Bird-in-a-bush	5	La Difesa
<i>Fumaria officinalis</i>	Common Fumitory	4	SS83 stop
<i>Papaver rhoeas</i>	Common Poppy	1	Roadsides
<b>Plantaginaceae</b>	<b>Plantain Family</b>		
<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax	2	Val Fondillo
<i>Digitalis ferruginea</i>	Brown Foxglove	3	Camosciara (leaves)
<i>Globularia vulgaris</i>	Common Globularia	2	Val Fondillo
<i>Plantago lanceolata</i>	Ribwort Plantain	2	Val Fondillo
<i>Plantago media</i>	Hoary Plantain	3	Camosciara
<i>Veronica beccabunga</i>	Brooklime	4	Pescina
<i>Veronica chamaedrys</i>	Germander Speedwell	2	Val Fondillo
<i>Veronica montana</i>	Wood Speedwell	3	Camosciara
<i>Veronica officinalis</i>	Heath Speedwell	2	Val Fondillo
<i>Veronica orsiniana</i>	a Speedwell	2	Val Fondillo
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	2	Val Fondillo
<i>Veronica verna</i>	Spring Speedwell	2	Val Fondillo
<b>Plumbaginaceae</b>	<b>Thrift Family</b>		
<i>Armeria canescens</i>	Plantain-leaved Thrift	2	Val Fondillo (in bud)
<b>Polygalaceae</b>	<b>Milkwort Family</b>		
<i>Polygala chamaebuxus</i>	Shrubby Milkwort	3	Camosciara
<i>Polygala flavescens</i> *	A Yellow Milkwort	4	Alba Fucens
<i>Polygala nicaeensis</i>	Nice Milkwort	2	Val Fondillo
<i>Polygala vulgaris</i>	Common Milkwort	2	Val Fondillo
<b>Polygonaceae</b>	<b>Knotweed Family</b>		
<i>Rumex acetosa</i>	Sorrel	4	Alba Fucens
<i>Rumex acetosella</i>	Sheep's Sorrel	5	La Difesa
<b>Primulaceae</b>	<b>Primrose Family</b>		
<i>Primula auricula</i>	Bear's-ear	3	Camosciara
<i>Primula vulgaris</i>	Primrose	3	Camosciara
<b>Ranunculaceae</b>	<b>Buttercup Family</b>		
<i>Actea spicata</i>	Baneberry	5	La Difesa (leaves)
<i>Adonia annua</i>	Pheasant's-eye	4	SS83 stop
<i>Anemone (Pulsatilla) alpina</i>	Alpine Pasqueflower	7	Val di Rose
<i>Anemone apennina</i>	Blue Anemone	3	Camosciara
<i>Anemone ranunculoides</i>	Yellow Anemone	5	La Difesa
<i>Aquilegia vulgaris</i>	Columbine	3	Camosciara
<i>Clematis vitalba</i>	Old Man's Beard	3	Camosciara
<i>Delphinium fissum</i>	a Delphinium	3	Camosciara (leaves)

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<i>Ficaria verna</i> agg.	Lesser Celandine	3	Camosciara
<i>Helleborus foetidus</i>	Stinking Hellebore	2	Val Fondillo
<i>Hepatica nobilis</i>	Hepatica	3	Camosciara
<i>Ranunculus acris</i>	Meadow Buttercup	2	Val Fondillo
<i>Ranunculus apenninus</i>	Apennine Buttercup	7	Val di Rose
<i>Ranunculus arvensis</i>	Corn Buttercup	4	SS83 stop
<i>Ranunculus bulbosus</i>	Bulbous Buttercup	2	Val Fondillo
<i>Ranunculus lanuginosus</i>	A Buttercup	3	Camosciara
<i>Ranunculus millefoliatus</i>	Million-leaved Buttercup	2	Val Fondillo
<i>Ranunculus monspeliacus</i>	-	4	Alba Fucens
<i>Ranunculus cf. pencillatus</i>	cf Stream Water Crowfoot	4	Pescina
<i>Ranunculus thora</i>	Thore's Buttercup	3	Camosciara
<b>Resedaceae</b>	<b>Mignonette Family</b>		
<i>Reseda lutea</i>	Wild Mignonette	1	Roadsides
<b>Rhamnaceae</b>	<b>Buckthorn Family</b>		
<i>Rhamnus alpinus</i>	Alpine Buckthorn	5	Vallone Pesco di Lordo
<i>Rhamnus saxatilis</i>	Rock Buckthorn	6	Barrea Gorge
<b>Rosaceae</b>	<b>Rose Family</b>		
<i>Amelanchier ovalis</i>	Amelanchier	4	Near Bisegna
<i>Aremonia agrimonoides</i>	Bastard Agrimony	3	Camosciara
<i>Cotoneaster integerrimus</i>	Wild Cotoneaster	6	Barrea Gorge
<i>Crataegus laevigata</i>	Midland Hawthorn	3	Camosciara
<i>Crataegus monogyna</i>	Hawthorn	2	Val Fondillo
<i>Fragaria vesca</i>	Wild Strawberry	2	Val Fondillo
<i>Geum urbanum</i>	Wood Avens	2	Val Fondillo
<i>Malus sylvestris</i>	Crab Apple	2	Val Fondillo
<i>Potentilla crantzii</i>	Alpine Cinquefoil	5	Vallone Pesco di Lordo
<i>Potentilla detommasii</i>	A Sulphur Cinquefoil	2	Val Fondillo
<i>Potentilla reptans</i>	Creeping Cinquefoil	5	La Difesa
<i>Potentilla rigoana</i> *	a Cinquefoil	7	Val di Rose
<i>Prunus mahaleb</i>	St. Lucie's Cherry	1	Roadsides
<i>Prunus spinosa</i>	Blackthorn	2	Val Fondillo
<i>Pyrus pyraeaster</i>	Wild Pear	3	Camosciara
<i>Rosa canina</i> agg.	Dog Rose	2	Val Fondillo
<i>Rubus fruticosus</i> agg.	Bramble	3	Camosciara
<i>Rubus idaeus</i>	Raspberry	5	La Difesa
<i>Sanguisorba minor</i>	Salad Burnet	2	Val Fondillo
<i>Sorbus aucuparia</i>	Rowan	6	Lago di Barrea
<b>Rubiaceae</b>	<b>Bedstraw Family</b>		
<i>Cruciata laevipes</i>	Crosswort	2	Val Fondillo
<i>Galium aparine</i>	Cleavers	3	Camosciara
<i>Galium mollugo</i>	Hedge Bedstraw	2	Opi
<i>Galium odoratum</i>	Woodruff	5	La Difesa
<i>Sherardia arvensis</i>	Field Madder	2	Val Fondillo

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<b>Salicaceae</b>			
<i>Salix alba</i>	White Willow	3	Camosciara
<i>Salix caprea</i>	Goat Willow	2	Val Fondillo
<b>Santalaceae</b>			
<i>Thesium divaricatum</i>	A Bastard Toadflax	4	Bisegna viewpoint
<i>Viscum album</i>	Mistletoe	2	Val Fondillo
<b>Sapindaceae</b>			
<i>Acer campestre</i>	Field Maple	3	Camosciara
<i>Acer monspessulanum</i>	Montpelier Maple	6	Barrea Gorge
<i>Acer opalus</i>	Italian Maple	7	Castel Mancino
<i>Acer pseudoplatanus</i>	Sycamore	2	Val Fondillo
<b>Saxifragaceae</b>			
<i>Saxifraga bulbifera</i>	Bulbous Saxifage	2	Val Fondillo
<i>Saxifraga callosa</i>	Thick-leaved Saxifrage	6	Barrea Gorge
<i>Saxifraga granulata</i>	Meadow Saxifrage	2	Val Fondillo
<i>Saxifraga porophylla*</i>	Reddish Saxifrage	2	Val Fondillo
<i>Saxifraga rotundifolia</i>	Round-leaved Saxifrage	5	La Difesa
<i>Saxifraga tridactylites</i>	Rue-leaved Saxifrage	2	Val Fondillo
<b>Scrophulariaceae</b>			
<i>Scrophularia vernalis</i>	Yellow Figwort	2	Val Fondillo
<i>Verbascum mallophorum</i>	a large branched Mullein	5	La Difesa
<i>Verbascum thapsus</i>	Aaron's Rod	2	Val Fondillo
<b>Simaroubaceae</b>			
<i>Ailanthus altissima</i>	Tree-of-Heaven	1	Roadsides
<b>Thymelaeaceae</b>			
<i>Daphne laureola</i>	Spurge Laurel	2	Val Fondillo
<i>Daphne mezereum</i>	Mezereon	3	Camosciara
<i>Daphne oleoides</i>	-	7	Val di Rose (leaves)
<b>Ulmaceae</b>			
<i>Ulmus glabra</i>	Wych Elm	7	Castel Mancino
<b>Urticaceae</b>			
<i>Urtica dioica</i>	Nettle	3	Camosciara
<b>Violaceae</b>			
<i>Viola alba</i> subsp. <i>dehnhardtii</i>	A Violet (mauve)	2	Val Fondillo
<i>Viola eugeniae*</i>	a Pansy	2	Val Fondillo
<i>Viola odorata</i>	Sweet Violet	6	Lago di Barrea
<i>Viola reichenbachiana</i>	Early Dog Violet	3	Camosciara
<i>Viola riviniana</i>	Common Dog Violet	2	Val Fondillo

Scientific name	Common name	Day	Location
<b>Monocots</b>			
<b>Amaryllidaceae</b>			
<i>Allium</i> sp.	a Garlic	2	Opi (leaves)
<i>Galanthus nivalis</i>	Snowdrop	5	La Difesa (in seed)
<b>Araceae</b>			
<i>Arum maculatum</i>	Cuckoo Pint	3	Camosciara
<b>Asparagaceae</b>			
<i>Leopoldia (Muscari) comosa</i>	Tassel Hyacinth	4	Alba Fucens
<i>Muscari neglectum</i>	Dark Grape Hyacinth	2	Val Fondillo
<i>Ornithogalum collinum</i>	a (Common) Star-of-Bethlehem	2	Val Fondillo
<i>Polygonatum multiflorum</i>	Solomon's-seal	2	Near hotel
<i>Scilla bifolia</i>	Alpine Squill	7	Val di Rose
<b>Colchicaceae</b>			
<i>Colchicum lusitanum</i>	an Autumn Crocus	3	Camosciara (leaves)
<b>Cyperaceae</b>			
<i>Carex caryophylla</i>	Spring Sedge	3	Camosciara
<b>Iridaceae</b>			
<i>Crocus vernus</i>	Spring Crocus	5	La Difesa
<i>Iris germanica</i>	German Iris	2	Opi
<i>Iris marsica</i> *	Marsican Iris	5	Vallone Pesco di Lordo
<b>Liliaceae</b>			
<i>Gagea bohemica</i>	Early Yellow Star-of-Bethlehem	7	Val di Rose
<i>Lilium martagon</i>	Martagon Lily	3	Camosciara (leaves)
<b>Melanthiaceae</b>			
<i>Paris quadrifolia</i>	Herb-Paris	3	Camosciara
<i>Veratrum lobelianum</i>	Green False-helleborine	3	Camosciara (leaves)
<b>Orchidaceae</b>			
<i>Anacamptis morio</i> subsp. <i>morio</i>	Green-winged Orchid	2	Val Fondillo
<i>Cephalanthera damasonium</i>	White Helleborine	4	Pescina
<i>Cephalanthera longifolia</i>	Sword-leaved Helleborine	3	Camosciara
<i>Cypripedium calceolus</i>	Lady's Slipper Orchid	3	Camosciara
<i>Dactylorhiza fuchsii</i>	Common Spotted Orchid	2	Val Fondillo (leaves)
<i>Dactylorhiza sambucina</i>	Elder-flowered Orchid	4	Bisegna viewpoint
<i>Himantoglossum adriaticum</i>	Adriatic Lizard Orchid	4	Alba Fucens (in bud)
<i>Neotinea (Orchis) tridentata</i>	Toothed Orchid	2	Val Fondillo
<i>Neotinea (Orchis) ustulata</i>	Burnt Orchid	2	Val Fondillo
<i>Neottia ovata</i>	Twayblade	2	Val Fondillo
<i>Neottia nidus-avis</i>	Bird's Nest Orchid	3	Camosciara
<i>Ophrys bertolonii</i>	Bertoloni's Bee Orchid	4	Alba Fucens
<i>Ophrys fuciflora</i> subsp. <i>fuciflora</i>	Late Spider Orchid	4	Alba Fucens
<i>Ophrys fuciflora</i> subsp. <i>fuciflora</i> ( <i>O. dinarica</i> )	A Late Spider Orchid	4	Alba Fucens
<i>Ophrys sphegodes</i> subsp. <i>atrata</i> ( <i>incubacea</i> )	Dark Ophrys	4	Alba Fucens

Scientific name	Common name	Day	Location
<i>Ophrys sphegodes</i> subsp. <i>sphogodes</i>	Early Spider Orchid	4	Near Bisegna
<i>Ophrys x flavicans</i> ( <i>O. promontorii</i> )		4	Near Bisegna
<i>Orchis anthropophora</i>	Man Orchid	4	Alba Fucens
<i>Orchis italica</i>	Naked Man Orchid	1	Roadsides
<i>Orchis mascula</i> subsp. <i>speciosa</i> ( <i>O. ovalis</i> )	an Early Purple Orchid	3	Camosciara
<i>Orchis x colemannii</i> ( <i>O. mascula x pauciflora</i> )	Hybrid Orchid	4	Bisegna viewpoint
<i>Orchis pauciflora</i>	Sparse Flowered Orchid	4	Bisegna viewpoint
<i>Orchis purpurea</i>	Lady Orchid	2	Val Fondillo
<b>Poaceae</b>			
<b>Grass Family</b>			
<i>Festuca glauca</i>	Blue Fescue	5	La Difesa
<i>Festuca vivipara</i>	Viviparous Fescue	3	Camosciara
<b>Xanthorrhoeaceae</b>			
<b>Asphodel Family</b>			
<i>Asphodeline lutea</i>	Yellow Asphodel	6	Near Barrea
<b>FUNGI</b>			
<b>Lecanoromycetes</b>		<b>Lichens</b>	
<i>Lobaria pulmonaria</i>	Lungwort	3	Camosciara
<b>Basidiomycetes</b>			
<i>Fomes fomentarius</i>	Hoof Fungus	5	La Difesa
<i>Ganoderma applanatum</i>	Artist's Bracket	5	La Difesa
<i>Morchella esculenta</i>	Morel	3	Camosciara
<i>Spugnola rotunda</i>	A round Morel	4	Alba Fucens

## Birds (✓=recorded but not counted; H = heard only; LO = Leader Only)

	Common name	Scientific name	May							
			16	17	18	19	20	21	22	23
1	Mallard	<i>Anas platyrhynchos</i>				✓		✓		
2	European Nightjar	<i>Caprimulgus europaeus</i>					H			
3	Common Swift	<i>Apus apus</i>	✓	✓		✓			✓	✓
4	Common Cuckoo	<i>Cuculus canorus</i>	H	H	1	1	1	1	H	
5	Rock Dove/Feral Pigeon	<i>Columba livia</i>	✓	✓	✓	✓	✓	✓	✓	✓
6	Common Wood Pigeon	<i>Columba palumbus</i>	✓	✓	✓	✓	✓	✓		✓
7	European Turtle Dove	<i>Streptopelia turtur</i>				2	1			
8	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	✓			✓	1	1		✓
9	Eurasian Coot	<i>Fulica atra</i>				5		3		
10	Little Grebe	<i>Tachybaptus ruficollis</i>				✓		H		
11	Great Crested Grebe	<i>Podiceps cristatus</i>						✓		
12	Yellow-legged Gull	<i>Larus michahellis</i>	✓							
13	Grey Heron	<i>Ardea cinerea</i>						✓		
14	Western Osprey	<i>Pandion haliaetus</i>	1							
15	European Honey Buzzard	<i>Pernis apivorus</i>		1		1		1		
16	Golden Eagle	<i>Aquila chrysaetos</i>		1		1		2	2	
17	Eurasian Sparrowhawk	<i>Accipiter nisus</i>					1			
18	Northern Goshawk	<i>Accipiter gentilis</i>		1						
19	Western Marsh Harrier	<i>Circus aeruginosus</i>				1				
20	Montagu's Harrier	<i>Circus pygargus</i>				2				
21	Red Kite	<i>Milvus milvus</i>						1		

	Common name	Scientific name	May							
			16	17	18	19	20	21	22	23
22	Common Buzzard	<i>Buteo buteo</i>	2	2+	2	1	1	1	1	1
23	Tawny Owl	<i>Strix aluco</i>		H			1	H		
24	Long-eared Owl	<i>Asio otus</i>		1			2			
25	Eurasian Hoopoe	<i>Upupa epops</i>				H	1	2		
26	European Bee-eater	<i>Merops apiaster</i>		30		2	H			1
27	Eurasian Wryneck	<i>Jynx torquilla</i>		H				1	1	H
28	White-backed Woodpecker	<i>Dendrocopos leucotos lilfordi</i>							1	
29	Great Spotted Woodpecker	<i>Dendrocopos major</i>		1	1	1				
30	European Green Woodpecker	<i>Picus viridis</i>		LOH	H		H	H		
31	Common Kestrel	<i>Falco tinnunculus</i>	2	1	1	1		1	3	
32	Eurasian Hobby	<i>Falco subbuteo</i>				2				
33	Peregrine Falcon	<i>Falco peregrinus</i>			1	1	1	1		
34	Rose-ringed Parakeet	<i>Psittacula krameri</i>								✓
35	Red-backed Shrike	<i>Lanius collurio</i>		2				2	1	
36	Eurasian Jay	<i>Garrulus glandarius</i>	2	1	2					✓
37	Eurasian Magpie	<i>Pica pica</i>	✓	✓	✓	✓	✓	✓	✓	✓
38	Red-billed Chough	<i>Pyrrhocorax pyrrhocorax</i>						✓	✓	
39	Western Jackdaw	<i>Coloeus monedula</i>	✓			✓		✓		✓
40	Hooded Crow	<i>Corvus cornix</i>	✓	✓	✓	✓	✓	✓		
41	Northern Raven	<i>Corvus corax</i>			2	H			2	
42	Coal Tit	<i>Pariparus ater</i>		✓	✓		✓	✓	✓	
43	Marsh Tit	<i>Poecile palustris</i>		H	✓		✓	H	H	
44	Eurasian Blue Tit	<i>Cyanistes caeruleus</i>		✓	✓	✓	✓	✓	✓	
45	Great Tit	<i>Parus major</i>		✓	✓	✓	✓	✓	H	H
46	Eurasian Skylark	<i>Alauda arvensis</i>		✓		1	H			
47	Barn Swallow	<i>Hirundo rustica</i>	✓	✓	✓	✓	✓	✓	✓	✓
48	Eurasian Crag Martin	<i>Ptyonoprogne rupestris</i>		5	2			1	2	
49	Common House Martin	<i>Delichon urbicum</i>	✓	✓	✓	✓	✓	✓	✓	✓
50	Cetti's Warbler	<i>Cettia cetti</i>				H				
51	Long-tailed Tit	<i>Aegithalos caudatus</i>	H	H			H			
52	Wood Warbler	<i>Phylloscopus sibilatrix</i>		H	✓		1	H	1	
53	Western Bonelli's Warbler	<i>Phylloscopus bonelli</i>		H	✓	1	H	1	H	
54	Common Chiffchaff	<i>Phylloscopus collybita</i>		H	H	H	H	H	H	H
55	Zitting Cisticola	<i>Cisticola juncidis</i>	H							
56	Eurasian Blackcap	<i>Sylvia atricapilla</i>		H	✓	1	2	4	1	H
57	Common Whitethroat	<i>Sylvia communis</i>				H		2		
58	Common Firecrest	<i>Regulus ignicapillus</i>		✓	✓		H	H	2	
59	Eurasian Wren	<i>Troglodytes troglodytes</i>		H	✓		1	1	H	H
60	Eurasian Nuthatch	<i>Sitta europaea</i>		H	✓		2	✓	✓	
61	Eurasian Treecreeper	<i>Certhia familiaris</i>					1		H	
62	Short-toed Treecreeper	<i>Certhia brachydactyla</i>		✓	H		3	✓	✓	
63	Common Starling	<i>Sturnus vulgaris</i>	✓	✓		✓	✓	✓	✓	✓
64	Ring Ouzel	<i>Turdus torquatus</i>			2					
65	Common Blackbird	<i>Turdus merula</i>	✓	✓	✓	✓	✓	✓	✓	✓
66	Song Thrush	<i>Turdus philomelos</i>		LOH	✓	H	1	H	H	
67	Mistle Thrush	<i>Turdus viscivorus</i>				1				
68	European Robin	<i>Erithacus rubecula</i>		1	✓		2	✓	1	1
69	Common Nightingale	<i>Luscinia megarhynchos</i>	H			H		H		H

	Common name	Scientific name	May							
			16	17	18	19	20	21	22	23
70	Collared Flycatcher	<i>Ficedula albicollis</i>					3			
71	Black Redstart	<i>Phoenicurus ochruros</i>		✓	✓	1			✓	✓
72	Common Redstart	<i>Phoenicurus phoenicurus</i>		✓	2	2	1		✓	✓
73	Common Rock Thrush	<i>Monticola saxatilis</i>								1
74	Blue Rock Thrush	<i>Monticola solitarius</i>							H	
75	European Stonechat	<i>Saxicola torquata</i>		✓		✓				
76	Northern Wheatear	<i>Oenanthe oenanthe</i>		✓		1				3
77	White-throated Dipper	<i>Cinclus cinclus</i>			1					
78	Italian Sparrow	<i>Passer italiae</i>	✓	✓	✓	✓	✓	✓	✓	✓
79	Eurasian Tree Sparrow	<i>Passer montanus</i>		✓	✓	✓	✓	✓	✓	✓
80	Alpine Accentor	<i>Prunella collaris</i>								LO
81	Western Yellow Wagtail	<i>Motacilla flava</i>				LOH				
82	Grey Wagtail	<i>Motacilla cinerea</i>		3	✓					
83	White Wagtail	<i>Motacilla alba</i>		✓	✓				✓	✓
84	Tree Pipit	<i>Anthus trivialis</i>		LOH		✓				
85	Common Chaffinch	<i>Fringilla coelebs</i>	✓	✓	✓	✓	✓	✓	✓	✓
86	Eurasian Bullfinch	<i>Pyrrhula pyrrhula</i>		✓	✓	H	1	H		3
87	European Greenfinch	<i>Chloris chloris</i>		✓	✓	✓			✓	
88	Common Linnet	<i>Linaria cannabina</i>		✓	2	✓	✓	✓	✓	
89	Red Crossbill	<i>Loxia curvirosta</i>								
90	European Goldfinch	<i>Carduelis carduelis</i>		✓	✓	✓	✓	✓	✓	
91	Corn Bunting	<i>Miliaria calandra</i>	H	H	H	1	H			
92	Yellowhammer	<i>Emberiza citrinella</i>		H			3	1		
93	Rock Bunting	<i>Emberiza cia</i>				2		H	LO	
94	Ortolan Bunting	<i>Emberiza hortulana</i>				2				
95	Cirl Bunting	<i>Emberiza cirius</i>		H	✓	4		1		

## Mammals (D = Dead; S = Sign Of)

1	Bat sp.			✓						
2	Mole	<i>Talpa sp.</i>					S+D			
3	Red Fox	<i>Vulpes vulpes</i>		S	2			1	1	
4	Grey Wolf	<i>Canis lupus</i>			2					
5	Marsican Brown Bear	<i>Ursus arctos marsicanus</i>						1		
6	Weasel	<i>Mustela nivalis</i>					D			
7	Beech Marten	<i>Martes foina</i>		1						
8	Red Deer	<i>Cervus elaphus</i>	2	✓	10	✓	✓	✓	✓	3
9	Roe Deer	<i>Capreolus capreolus</i>	1	✓	1	1	3+H	1		
10	Apennine or Abruzzo Chamois	<i>Rupicapra pyrenaica ornata</i>		5						✓
11	Wild Boar	<i>Sus scrofa</i>		1	4		✓			
12	Italian Hare	<i>Lepus corsicanus</i>		1			1			
13	Brown Hare	<i>Lepus europaeus</i>	2	2	3		1	1		
14	Red Squirrel	<i>Sciurus vulgaris</i>		1	2		2	2		
15	Bank Vole	<i>Clethrionomys glareolus</i>		4	1	1	✓			
16	Wood Mouse (Long-tailed Field Mouse)	<i>Apodemus sylvaticus</i>		1			5			

## Reptiles &amp; Amphibians (Sp = Spawn)

1	Common Toad	<i>Bufo bufo</i>			SP	1	D			
2	Frog sp.	<i>Rana dalmatina</i>					1			
3	Western Green Lizard	<i>Lacerta bilineata</i>				D		1	1	

	Common name	Scientific name	May								
			16	17	18	19	20	21	22	23	
4	Common Wall Lizard	<i>Podarcis muralis</i>		✓					1	✓	
5	Asp Viper	<i>Vipera aspis</i>									1

## Fish

1	Brown Trout	<i>Salmo trutta</i>			1						
2	Common Carp	<i>Cyprinus carpio</i>						1			

## Butterflies

1	Swallowtail	<i>Papilio machaon</i>									✓	
2	Large White	<i>Pieris brassicae</i>		✓								✓
3	Green-veined White	<i>Pieris napi</i>		✓								✓
4	Orange Tip	<i>Anthocharis cardamines</i>		✓					✓			
5	Clouded Yellow	<i>Colias crocea</i>		✓								
6	Berger's Clouded Yellow	<i>Colias alfacariensis</i>		✓								
7	Brimstone	<i>Gonepteryx rhamni</i>										✓
8	Wood White	<i>Leptidea sinapis</i>		✓								✓
9	Small Copper	<i>Lycaena phlaeas</i>					✓					
10	Common Blue	<i>Polyommatus icarus</i>		✓			✓					
11	Red Admiral	<i>Vanessa atalanta</i>		✓								✓
12	Painted Lady	<i>Vanessa cardui</i>		✓					✓			✓
13	Small Tortoiseshell	<i>Aglais urticae</i>										✓
14	Queen of Spain Fritillary	<i>Issoria lathonia</i>		✓								
15	Spotted Fritillary	<i>Melitaea didyma</i>					✓					
16	Fritillary sp.								✓			
17	Small Heath	<i>Coenonympha pamphilus</i>		✓					✓			✓
18		<b>Hesperiidae</b>										
19	Southern Grizzled Skipper	<i>Pyrgus malvoides</i>							✓			
20	Dingy Skipper	<i>Erynnis tages</i>							✓			

## Micros Moths

1	Diamond-back Moth	<i>Plutella xylostella</i>					✓					
2		<i>Pyrausta purpuralis</i>						✓				
3	a Longhorn	<i>Nematopogon schwarziellus</i>		✓								
4	a Longhorn	<i>Nemophora degeerella</i>							✓			
5	a Crambid	<i>Thisanotia chrysonuchella</i>		✓								
6	a Crambid	<i>Udea prunalis</i>										✓
7		<i>Coleophora albicosta</i>		✓								
8	Grey Tortrix complex	<i>Cnephasia</i> sp				✓						
9	Spindle Ermine	<i>Yponomeuta cagnagella</i>					Cat.					
10	Bird-cherry Ermine	<i>Yponomeuta evonymella</i>					Cat.		Cat.			
11	Bee Moth	<i>Aphomia sociella</i>							✓			
12	Rush Veneer	<i>Nemophila noctuella</i>							✓			

## Macros Moths

1	Puss Moth	<i>Cerula vinula</i>				✓						
2	Pale Prominent	<i>Pterostoma palpina</i>				✓						
3	Common Quaker	<i>Orthosia cerasi</i>				✓						
4	a European Noctuid	<i>Hadena magnolii</i>				✓						
5	Common Heath	<i>Ematurga atomaria</i>					✓					
6	Drab Looper	<i>Minog murinata</i>						✓				

	Common name	Scientific name	May							
			16	17	18	19	20	21	22	23
7	Light Feathered Rustic	<i>Agrotis cinerea</i>							✓	
8	Red Twin-spot Carpet	<i>Xanthorhoe spadicearia</i>								✓
9	Pinion-spotted Pug	<i>Eupithecia insigniata</i>								✓
10	various Caterpillars			✓	✓				✓	✓

## Other Invertebrates

1	Mayfly	<i>Ephemera</i> sp.		✓						
2	Stonefly	<i>Perlidae</i> sp.		✓						
3	Field Cricket	<i>Gryllus campestris</i>		✓						
4	Green Shield Bug	<i>Palomena prasina</i>								✓
5	Red & black Ground Bug	<i>Lygaeus equestris</i>				✓				
6	Red and black Froghopper	<i>Cercopis intermedia</i>				✓	✓	✓		
7	Ascalaphid	<i>Libelloides ictericus</i>				✓				
8	Caddis Fly (larva in cases)	<i>Trichoptera</i> sp.					✓			
9	Bee Fly	<i>cf Bombylius major</i>			✓			✓	✓	
10	Violet Carpenter Bee	<i>Xylocopa violacea</i>		✓						
11	Honey Bee	<i>Apis mellifera</i>		✓				✓		
12	White-tailed Bumblebee	<i>Bombus lucorum</i>		✓				✓		
13	Buff-tailed Bumblebee	<i>Bombus terrestris</i>						✓		
14	Common Carder Bee	<i>Bombus pascuorum</i>		✓		✓	✓	✓	✓	
15	Green Tiger Beetle	<i>Cicindela campestris</i>						✓		
16	a Soldier Beetle	<i>Cantharis rustica</i>		✓						
17	a Scarab Beetle	<i>Platycerus caraboides</i>		✓						
18	an Ichneumon	<i>Ophion luteus</i>			✓					
19	Millipede	<i>cf Tachypodoiulus niger</i>				✓	✓			
20	Millipede	<i>Schizophyllum sabulosum</i>				✓				
21	Centipede	<i>Chilopoda</i> sp.					✓			
22	a Ground Beetle	<i>Anoplotrupes cf. Stercorosus</i>								✓
23	a Mantid sp. Egg Case	<i>Mantodea</i> sp.						✓		
24	Red-collared Longhorn Beetle	<i>Dinoptera collaris</i>						✓		
25	a Crane-fly	<i>Tipula maxima</i>						✓		
26	a Mosquito	<i>Culicidae</i> sp.						✓		
27	a Click Beetle	<i>cf. Byrrhus pilula</i>						✓		
28	a black Ground Beetle	<i>Abax parallelepipedus</i>					✓			
29	Cockchafer	<i>Melolontha melolontha</i>			✓					
30	a Chafer	<i>Rhizotrogus aestives</i>			✓					
31	a black and white Chafer	<i>Oxythyrea funesta</i>				✓				
32	Pine Weevil	<i>Hylobius abietis</i>			✓					
33	an Oil Beetle	<i>Lytta vesicatoria</i>				✓				
34	Pond Skater	<i>Gerris lacustris</i>					✓			
35	Woodlice	<i>Isopoda</i> sp.					✓	✓		
36	Wood Ant	<i>Formica rufa</i>		✓						✓
37	Roman Snail	<i>Helix pomatia</i>				✓				
38	Brown-lipped Banded Snail	<i>Cepaea nemoralis</i>				✓	✓	✓	✓	
39	Garden Snail	<i>Cornu aspersum</i>				✓				