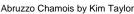
The Apennines:

Italy's Abruzzo National Park

Naturetrek Tour Report

18 - 25 May 2017







Lady Orchid by Jessica Turner



Lady's Slipper Orchid by Jessica Turner



Purple-shot Copper by Kim Taylor

Report compiled by Jessica Turner Images courtesy of Kim Taylor & Jessica Turner



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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. In the Val di Rose we had great views of Abruzzo Chamois, along with carpets of alpine flowers. The Chamois are always a pleasure to see, as are the Wild Boar, Red and Roe Deer and Red Squirrels. We were incredibly fortunate in having good views of four Wolves one evening, relaxing under the trees. Some of the group also saw four bears in one morning – surely a record! Three, a male, female and older cub, were on a distant mountainside but in perfect morning light, while another was in shade but very much closer. Some also had a glimpse of the male another morning. These are truly wild animals, never fed by humans, and any sighting of them or Wolves is a bonus. The Bears were roaming quite widely, and we had several reports of other sightings. We enjoyed a wide selection of birds, butterflies and flowers, especially the orchids in their abundance.

Geraldine and Marco, as ever, provided a warm welcome and excellent hospitality, introducing us to several local specialities. An excellent week in a delightful location!

Day 1

Thursday 18th May

UK to Rome to Pescasseroli

Twelve group members met Jessica at London Heathrow for our lunchtime flight to Rome. After a slight delay in take-off, we made up some time. Having collected our bags, we met up with Nicola, who had flown from Milan, and also with the other two group members. Jessica and Nicola collected the vehicles, always a slow process, and picked up the group, who were waiting in the late afternoon sun (or shade). Unfortunately, the traffic on the Rome ring-road was exceptionally slow, but as we went we were able to note Umbrella Pines (*Pinus pinea*), the large parties of Common Swifts flying low over the road, Hooded Crows, Yellow-legged Gulls and other birds; some group members hearing a snatch of Nightingale song.

The traffic eased as we drove east, enjoying 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, leaving beyond Avezzano to climb up to Pescasseroli. It was dark as we approached the National Park, but the headlights of the vehicles picked up a Brown Hare and a Fox in the road. We drove straight to Pescasseroli and through the village 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 light dinner, during which Jessica outlined plans for the morrow. After a very long day, we then retired to bed.

Day 2 Friday 19th May

Around Hotel; Camosciara; Gioia Vecchio

This morning dawned fine and sunny, and some of the group ventured out at 7am to explore the local area. A Common Redstart was singing from prominent perches, as was a Serin. Three Crossbills showed well at the top of a Spruce tree. Firecrest, Goldfinch, Coal Tit and Tree Sparrow were also noted. We walked up the track behind the hotel, towards a small hill. On a rocky bank we found the endemic Pansy *Viola eugeniae* in various shades, but predominantly yellow, together with Meadow Saxifrage (*Saxifraga granulata*) and, further on, we found Toothed Orchids (*Neotinea tridentata*) and Green-winged Orchids (*Anacamptis morio*). From the hill we had stunning views in all directions, and could see the hilltop village of Opi. Sand Catchfly (*Silene conica*) and Plantain-leaved Thrift (*Armeria canescens*) were found on the slope. Early butterflies included Glanville Fritillary, and resting Clouded Yellow and Common Blue. Moths in and around the hotel included Patton's Tiger and Lobster Moth.

After breakfast, with the picnic bought, we headed south-east down the valley of the Sangro, past Opi, to our destination of Camosciara, in the heart of the National Park. Having parked the vehicles, we scanned the hillsides, sighting a solitary Red Deer. Two Golden Eagles were circling around Monte Marsicano and then flew overhead. We set off up the valley, diverting from the path to explore. Immediately our attention was caught by some fine Early Purple Orchids (Orchis mascula subsp. speciosa) with pointed petals and sepals. Among the Juniper (Juniperus communis), Hawthorn (Crataegus monogyna), Blackthorn (Prunus spinosa) and Wild Pear (Pyrus pyraster) scrub, we also found some spikes of Lady Orchid (Orchis purpurea), Twayblade (Neottia ovata), Green-winged Orchid and Fly Orchid (Ophrys insectifera), all growing with some protection from grazing, while Brd's-nest Orchid (Neottia nidus-avis) was in a wooded area. We also noted Nice Milkwort (Polygala nicaeensis), Common Globularia (Globularia vulgaris) and Horseshoe Vetch (Hippocrepis comosa). Small Heath, Wood White, Duke of Burgundy and Clouded Yellow were added to the butterfly list.

Turkey Oak (Quercus cerris), and Goat Willow (Salix caprea). Under these were more Lady and Early Purple Orchids, and we also noted Reflexed Crane's-bill (Geranium reflexum). A fresh Wolf scat, full of hair, was by the track. Blackcap, Chiffchaff and Wood Warbler were singing while Cuckoo, Song Thrush and Nuthatch were also vocal, together with the constant accompaniment of Field Cricket. Common Wall Lizards were sunning themselves on stone gateposts, while nearby, a Western Green Lizard showed briefly round a boulder. On a bank we found White Helleborine (Cephalanthera damasonium) and False Vetch (Astragalus monspessulanus). By the stream we found some beautiful flowers of the endemic Trumpet Gentian (Gentiana dinarica), together with Sword-leaved Helleborine (Cephalanthera longifolia), Columbine (Aquilegia vulgaris) and the enormous kidney-shaped leaves and single yellow flowers of Thore's Buttercup (Ranunculus thora). We also stopped to admire and photograph several clumps of Lady's Slipper Orchids (Cypripedium calceolus) flowering by the stream. A Common Buzzard was being mobbed by a Hooded Crow.

We had our picnic near the cafe, before climbing to the waterfalls Cascata delle Tre Cannelle and Cascata delle Ninfe (Cascade of Three Channels and Cascade of the Nymphs). Under the Beech trees we found many spikes of Coralroot Orchid (*Corallorhiza trifida*). More Gentians and the endemic Pansy *Viola eugeniae* were flowering by

the first waterfall, and Bear's Ears (*Primula auricula*) by the second. Brown Trout were seen in a clear pool. We slowly retraced our steps down the valley, finding the leaves of White False Helleborine (*Veratrum album*), Shrubby Milkwort (*Polygala chamaebuxus*) with red- or yellow-and-white flowers and Apennine Lungwort (*Pulmonaria apennina*). Mayflies were around us, and butterflies included Berger's Clouded Yellow, Scarce Swallowtail, both subspecies of Speckled Wood, Little Blue, Dingy Skipper and Pearl-bordered Fritillary. The endemic, large-flowered Camosciara Butterwort (*Pinguicula vallis-regiae*) was flowering well on the far side of the water, amongst more Gentians. A Wryneck was heard and glimpsed, and the strange-looking Stoneflies were noted.

We returned to the hotel for an early, delicious dinner, after which we ventured out again, driving north up the valley. By the Bisegna road junction we saw a group of five Red Deer hinds under the trees, and then another similar sized group in the meadows. A Red Deer stag in velvet was standing very still under a pine tree. Then our attention was drawn to another movement, and four Wolves were seen in a small clearing. They were very relaxed, coming and going, standing and sitting, and we all got excellent scoped views of at least some of them before they trotted off into the trees. What an amazing sight! They didn't reappear, but a Fox was hunting in the meadow. Although the light was failing, the Cuckoos and Field Crickets kept calling. We drove up to Passo Diabolo, but it was rather chilly and breezy, so we decided to call it a day. But what a first day in the field!

Day 3 Saturday 20th May

Gioia Vecchio; Val Fondillo; Opi

A 5.45am start saw Nicola and some of the group heading north again towards Gioia Vecchio. It was a fine but chilly morning after overnight rain, and the birds were in full song. As they arrived and started scanning, they saw a troop of six Wild Boar. They also saw several single Boar and Red Deer, mainly stags. Red-backed Shrike was seen en route. Meanwhile, Jessica took some other group members out at 6.45am, also heading north. As we drove towards Gioia Vecchio, we saw a group of people with large cameras focused on the distant mountain, pointing excitedly. We stopped to investigate and they told us they were watching three Marsican Brown Bears, and had earlier seen one nearby, on the slope behind them. We rapidly followed their directions and could see the Bears, a large male, a female and a younger one on the distant scree slope, foraging and then walking up the slope, disappearing behind an outcrop. As we watched, one of the men called out that the Bear on the slope behind us was visible. We got the telescope and our binoculars on it, having excellent and relatively close views, before it disappeared into the trees. What an encounter! Unfortunately, all the bears had disappeared by the time Nicola's group arrived at the spot, and we decided to head back to the hotel.

Our main destination today was Val Fondillo, which is adjacent to Camosciara but very different in character. We parked under some willows and set off up the track. A Hound's-tongue, Cynoglossum montanum, was in flower by a wall. On a dry slope we found several spikes of the endemic form of Late Spider Orchid (Ophrys dinarica, now classified as Ophrys fuciflora), together with more typical Late Spider Orchid and Toothed Orchid (Neotinea tridentata). We also found white Star of Bethlehem (Ornithogalum umbellatum) and Wild Thyme (Thymus oenipontanus). Butterflies included the brilliantly coloured Adonis Blue, Common Blue, Wood White, and Dingy and Red Underwing Skippers. A little further on we found the endemic lemon-yellow Milkwort Polygala flavescens,

and yellow-flowered Ground Pine (*Ajuga chamaepitys*), which looks like Pine seedlings. Violet Carpenter Bees were on the wing. Across the valley we found another Wolf scat, and had good views of Red-backed Shrike. Bonelli's Warbler was singing. On the slopes at the edge of the valley we found the dwarf Spiny Broom (*Cytisus spinescens*), Rock-rose (*Helianthemum nummularium*) and the smaller flowered Hoary Rock-rose (*Helianthemum oelandicum* subsp. *incanum*), the endemic Pansy *Viola eugeniae*, Meadow Saxifrage (*Saxifraga granulata*) and more spikes of Toothed Orchid (*Neotinea tridentata*). We also found a spike of Early Spider Orchid (*Ophrys sphegodes*). Butterflies included Pearl-bordered Fritillary, Green Hairstreak, and Berger's and 'common' Clouded Yellows.

A large boulder near the bridge bore an endemic Reddish Saxifrage (Saxifraga porophylla) and Rustyback Fern (Asplenium ceterach) while Maidenhair Spleenwort (Asplenium trichomanes) was growing inside the cave formed by its overhang. Nearby, we found some magnificent spikes of Military Orchid (Orchis militaris). On a small island in the stream Nicola found the large Longhorn Beetle Morimus asper funereus. We crossed the stream at the bridge to walk up the other side. Sword-leaved Helleborine (Cephalanthera longifolia) was flowering under the Beech trees, and Horseshoe Vetch (Hippocrepis comosa) was scenting the air. Unfortunately, the sun had now disappeared and the threatened rain started, soon followed by thunder rolling round the mountains. We had our picnic in the partial shelter of the Beech trees before deciding to retrace our steps. The rain eased for a while, but the temperature had dropped considerably. We found a Fragrant Orchid (Gymnadenia conopsea) and later, in a marshy area, an Early Marsh Orchid (Dactylorhiza incarnata), both just coming into flower, and we had further views of Red-backed Shrike. At the Visitor Centre we warmed up with hot drinks, as the rain came very heavily.

Leaving the valley, the weather brightened considerably. Some of the group chose to return to the hotel, but others opted to visit the hill-top village of Opi so we split, with Jessica taking 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, in their post-rain clarity. We also learnt a little of the sad history of this village. A Red Deer was seen from the viewpoint, while two Abruzzo Chamois were seen in the Sanctuary area, and Kestrel and Black Redstart were below us. We returned to the hotel before going out again, up the valley road to where we had been the previous evening. All was quiet on the mammal front, but we saw two beautiful male Red-backed Shrikes, and also spikes of Early Spider Orchid and Burnt Orchid (Neotinea ustulata).

We then returned to the hotel for another delicious meal and a quiet evening.

Day 4 Sunday 21st May

Vallone Pesco di Lordo; La Difesa

This morning dawned grey with drizzly rain, although the sun appeared long enough to produce a beautiful rainbow behind the hotel. After breakfast, we took the vehicles a short distance to the start of the day's walk in the Difesa forest. We donned our waterproofs and set off up the track past moss- and lichen-covered boulders and large, old Beech trees. Here, we found Round-leaved Saxifrage (Saxifraga rotundifolia) abundant on boulders, Herb-Paris (Paris quadrifolia), Baneberry (Actaea spicata), Sweet Woodruff (Galium odoratum) and Yellow Archangel (Lamiastrum galeobdolon). The pea-like seed pods of Bird-in-a-bush (Corydalis cava) were, at first, puzzling. Wood Warbler and Chiffchaff were heard. We arrived at a clearing with enormous water troughs, reminding us of the

importance of sheep in the past. A Brown Hare was seen running up a side track and, later, another was seen in the forest. In the stream were strings of fresh spawn of Common Toad. Some very rotten trees held interesting fungi including Hoof Fungus, Jelly Ear and Honey Fungus, and we could see many insect holes and tunnels. There were also some beautiful clumps of Lungwort lichen. A few small lying patches of hail showed the lower temperatures.

We turned off the track into the Vallone Pesco di Lordo, an open valley, admiring the endemic pansies, the beautiful blue Speedwell *Veronoca orsiniana* and an endemic Yellow Alyssum (*Alyssum diffusum*). We watched a Red-backed Shrike, Common Redstart and Bullfinch. As we were watching, we noticed Wild Boar in a glade behind: a troop of seven, females and older youngsters were foraging, and we had good views of them. Moving on, 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*). There were a few flowers, but rather damaged by the rain. We started to retrace our steps, finding the remains of a Green Lizard. When we reached the Difesa forest again, we turned up the track to explore this area further, where there are many more mature Beech trees, good for woodpeckers. Unfortunately we didn't see any, but enjoyed the forest. A cold wind had sprung up and we were glad to return to the hotel for a warm, dry, although rather late, picnic.

We then had some free time before meeting to discuss plans and the day, and enjoy an excellent early dinner. Afterwards, we headed out again. The evening had brightened somewhat, although there was still low cloud obscuring most of the mountain tops. In the failing light we drove slowly north again, as far as Passo Diabolo, scanning particularly the areas where Bears had been seen before. We then returned to the Bisegna road junction. From here we saw a very large male Wild Boar and a group of four Red Deer hinds, both of which gave excellent views, while a Fox bounded across the field behind. We then moved on up the road to the Bisegna viewpoint. It was now almost dark, but we heard Tawny Owl and Quail, before we returned to the hotel.

Day 5

Monday 22nd May

Val di Rose

This morning, with the promise of fine weather, we decided to do our high walk, up the Val di Rose. We made our own picnics today, before leaving at 8.45am. We drove back down the Sangro valley and turned at Villetta Barrea to drive up to Civitella Alfadena, our starting point for the walk. We parked above the village and took path I1, which climbs through a patchwork of forest and glades.

Under trees, we noted White Helleborine (Cephalanthera damasonium), Bird's-nest Orchid (Neottia nidus-avis) and some spikes of Coralroot Orchid (Corallorhiza trifida), all just emerging. Chiffchaff and Wood Warbler were singing, with the latter being seen. Butterflies included Pearl-bordered and Heath Fritillaries, Berger's and common Clouded Yellows, Wall and Large Wall Browns and Baton Blue. The views back down the valley, over the lake, were stunning, as well as being encouraging, as we could see how much we had climbed. A little further on, we could no longer see the lake but started getting tantalising glimpses of the mountain tops. When we reached the last glade before the tree line, we stopped for a well-deserved rest. The glade held the strange plant, Solenanthus (Solenanthus apenninus).

Eventually we reached the tree line, emerging into amazing flower-filled meadows There were carpets of the endemic pansy (*Viola eugeniae*), predominantly in shades of purple, mauve and cream, along with clumps of yellow Heart-leaved Leopard's-bane (*Doronicum columnae*). Intense blues were provided by Spring Gentian (*Gentiana verna*) and the endemic Alpine Wood Forget-me-not (*Myosotis graui*). A boulder held some beautiful specimens of the endemic Reddish Saxifrage (*Saxifraga porophylla*). Reinvigorated by such riches, we climbed a short distance further before having our picnic enjoying the fantastic view. Tree Pipits were singing above and other birds included Northern Wheatear, Woodlark, and Black Redstart. A nearby boulder held Cobweb Houseleek (*Sempervivum arachnoideum*), and the grass was starred with Alpine Squill (*Scilla bifolia*), Spring Crocus (*Crocus vernus*) and Lesser Celandine (*Ficaria verna*).

The stars, however, of this delightful location were the Abruzzo Chamois, of which we probably saw around 25 in total, some giving excellent views. It was a privilege to be able to watch them feeding and resting, apparently unconcerned by our presence. We continued to explore the slopes, enjoying these wildlife encounters. After our picnic most of the group opted to walk up to the Passo Cavuto at 1,942 metres above sea level. As we went, we found Alpine Snowbells (Soldanella alpina), Alpine Pasque Flower (Anemone alpina), flowering Mezereon (Daphne mezereum), the endemic Cinquefoil Potentilla rigoana and Apennine Buttercup (Ranunculus apenninus). From the top we saw a pair of Go;den Eagles soaring overhead, plus Red-billed Chough.. A short way over, an area very rich in flowers held Mountain Kidney-vetch (Anthyllis montana), the endemic Trumpet Gentian (Gentiana dinarica), the delightful little Ciliate Rock-jasmine (Androsace villosa), Mountain Avens (Dryas octopetala) and Mountain Milkwort (Polygala alpestris).

Eventually, we started our slow descent, finding the endemic Apennine Penny-cress (*Thlaspi stylosum*) near the pass. The cloud had been building, but it remained dry. In the Beech woods a Tawny Owl was hooting, and Great Spotted Woodpecker and Jay were seen. We all reconvened in the village at the Bar della Lince, where we refreshed ourselves with cool drinks before returning to the hotel and a quiet evening. It was a strenuous day, but everyone really enjoyed it.

Day 6

Tuesday 23rd May

Gioia Vecchio; Barrea; Passo Godi

The early risers were out this morning at 6am; we drove north, seeing a Red Deer, and stopped to scan the corrie in the mountain where the bears had been seen before. We were soon joined by two other watchers who had seen 'a black dot there, moving around' from the Bisegna road. As we were scanning, a shape was seen, which proved to be a large male Bear, presumably the one seen before. Unfortunately, he was right down by the trees and disappeared from view before everyone could see him. After a while, we moved to Passo Diabolo, which gave a better view into the corrie, but it was empty. Closer to hand, we saw Red-backed Shrike, Yellowhammer and Linnet, and heard Cirl Bunting. Eventually we moved on to Gioia Vecchio, where we saw a Red Deer and a group of four Wild Boar, feeding through the valley.

After breakfast we left to drive back to the far end of the lake, to the hillside town of Barrea. We parked in Barrea overlooking the lake and we could see where we had walked the previous day. Flocks of Swifts were

screaming around us. We took the short path which climbs to Barrea Gorge, noting Thick-leaved Stonecrop (Sedum dasyphyllum) flowering on the walls, Salsify (Tragopogon porrifolius) and a Perennial Cornflower, (Centaurea triumsettii) in white rather the more usual blue-and-pink. At the gorge, a group of four Red-billed Choughs were playing in the breeze and entering the cave opposite, and a large flock of about 30 were seen more distantly. Crag Martin were in the gorge, and a Nightingale was singing sporadically. Plants included Thick-leaved Saxifrage (Saxifraga callosa) with dramatic sprays of creamy-white flowers, Live-long Saxifrage (Saxifraga paniculata), Burnt Orchid (Neotinea ustulata), Cotoneaster (Cotoneaster integerrimus), the tiny Paronychia (Paronychia kapela) whose bracts resemble tiny finger-nails (hence its name), and an endemic Houseleek Sempervivum ricci. Many butterflies were on the wing, including Marsh, Lesser Spotted, Pearl-bordered, Glanville and Knapweed Fritillaries, Oberthur's Grizzled, Southern Grizzled and Dingy Skippers, Baton, Little, Adonis and Common Blues, Swallowtail, Scarce Swallowtail, Berger's and common Clouded Yellows, Wall and Large Wall Browns, Wood White and Black-veined White. A dark fritillary which was photographed was confirmed as False Heath Fritillary, a species which is both rare and under-recorded in central Italy, and which several authors state does not occur south of the Alps. Most of the bushes of St. Lucie's Cherry (Prunus mahaleb) were covered with webs of Orchard Ermine moth caterpillars. Moths included Transparent Burnet and Humming-bird Hawk-moth, and a male Ladybird Spider was seen. Black clouds were building as we made our way back to the village, and soon the rain started.

We found shelter for our picnic at a café by the lakeside, just over the bridge to Civitella Alfadena, and the rain poured down and the thunder crashed. However, by the time we had finished, so had the storm. On the lake we saw Great Crested Grebe and Mallard, and a Short-toed Treecreeper was in the trees. Red Star-thistle was growing by the café, and we also saw Red Deer grazing nearby.

With the weather brighter, we drove north out of Villetta Barrea, climbing towards the Passo Godi. We stopped at a road bend where we noted Man Orchids (Orchis anthropophora), Late Spider Orchids (Ophrys fuciflora), two endemic thistle-like plants, Centaurea ceraphylla and Cirsium lobelii, neither in flower, St. Bernard's Lily (Anthericum lilago) just coming out, the milkwort Polygala major and Sessile Broom (Cytisophyllum sessilifolium). We also found Bedstraw and Thyme Broomrapes (Orobanche caryophyllacea, smelling of cloves, and O. alba, which is red). Moving on, we passed through the ski resort at Passo Godi and parked beyond, at the start of path Y1, at about 1,550 metres asl. Here we walked along the track and explored the slopes on either side. Birds included Red-backed Shrike, Northern Wheatear and Skylark, while Wryneck was heard. The slopes bore stunning displays of both colour forms of Elder-flowered Orchids (Dactylorhiza sambucina), Pale Orchid (Orchis pallens), and an area of Sparse-flowered Orchids, Early Purple, and their hybrids (Orchis pauciflora, O. mascula subsp. speciosa and O. x colemannii), the hybrids showing a range of colour and form. There was also the endemic Tenore's Bugle (Ajuga tenorei), and more Spring Gentian (Gentiana verna), a yellow Flax (Linum capitatum), Chamois Ragwort (Senecio doronicum) and an endemic Spurge (Euphorhia gasparrinii subsp. samnitica). A Lesser Spotted Fritillary caterpillar was feeding on Mullein (Verbascum sp.). Thunder was rumbling round, but we missed most of the rain. As we returned, we stopped to photograph the lake and the Val di Rose.

We had a quiet evening, catching up on checklists and enjoying another delicious dinner.

Day 7

Wednesday 24th May

Gioia Vecchio; Pescasseroli; Castel Mancino; Orchid Meadow; Bisegna viewpoint

We left at 6am to return to Gioia Vecchio. En route we saw our first Roe Deer of the trip, but the mountain slope and corrie appeared empty. At Gioia Vecchio we saw another four Roe Deer, five Wild Boar, and a fine Red Deer stag before we returned for breakfast.

Wednesday is market day in Pescasseroli, so we spent some time looking round the town this morning, doing some shopping and exploring the old parts with their narrow streets and alleys. Two of the group walked down the river, seeing Grey Wagtails. Our main destination was Castel Mancino, so we drove up to the town cemetery, where we parked under the trees and started our walk. As we climbed through the coniferous woodland, we had good views of Firecrest, Marsh Tit and Bonelli's Warbler, plus a dark brown Red Squirrel which spent a long time in the trees just above our heads, coming down occasionally and giving great but brief vews. Near the path we noted Yellow Vetchling (*Lathyrus aphaca*), Italian Catchfly (*Silene italica*), with some Bird's-nest Orchids (*Neottia nidus-avis*) under the trees. Adriatic Lizard Orchids (*Himantoglossum adriaticum*) were just coming into flower beautifully on the slopes. We added some good butterflies including Spotted Fritillary, Turquoise Blue and Purple-shot Copper, the latter a new record for the trip. We enjoyed the views from the top of the hill, and the remains of the mediaeval castle, before returning in a loop through a meadow back to the buses. A Cirl Bunting was seen well by some, and Rose Chafers were flying by the cemetery.

We returned to the hotel for our final picnic, taken on the sunny terrace, before heading back to Pescasseroli for pudding: traditional 'gelati' all round. We then drove back north of the town, to a spot just past the Bisegna road junction. This steep but delightful flower-filled meadow is an excellent area both for orchids and for butterflies, and we spent a very enjoyable afternoon exploring its riches. Although clouds periodically loomed, it was mainly dry and warm. There were some very fine Lady Orchids (*Orchis purpurea*), together with carpets of Toothed Orchids (*Neotinea tridentata*) and Burnt Orchids (*Neotinea ustulata*) and some fascinating hybrids between them (*Neotinea x dietrichiana*), with a hybrid swarm showing a range of intermediate characteristics. The Nice Milkwort (*Polygala nicaeensis*) here grows in a variety of shades of magenta, blue and white, and the Horseshoe Vetch (*Hippocrepis comosa*) adds yellow. The flowers of Fragrant Orchids (*Gymnadenia conopsea*) were generally just starting to emerge, but the Adriatic Lizard Orchids and Lesser Butterfly Orchids (*Platanthera bifolia*) were still in bud. Butterflies were just emerging as the weather improved, and we recorded Adonis and Common Blues, a female Provence Orange Tip and Heath Fritillary amongst others, together with Chimney Sweeper moth. The light on the hills was beautiful, but eventually we had to tear ourselves away from this delightful location, to return to the hotel for an early dinner.

We returned to the Bisegna road junction later for one last search, seeing Red Deer and Roe Deer. We then heard that Bears had been seen earlier, one on a mountain top and one just up the road which might have been going towards the Bisegna road. We moved to the Bisegna viewpoint, with other watchers, but no Bears had been seen. We heard Skylarks, Quail, Nightjar and Tawny Owl; two Red Deer, two Wild Boar and a Roe Deer which started barking were also recorded. As darkness fell, we returned to the hotel for our final evening.

Day 8

Thursday 25th June

Pescasseroli to Rome and onwards.

This morning there was a big change in the weather as we woke to steady rain. Some of the group were out with Nicola at 6am, seeing Red Deer, Roe Deer, Wild Boar and a Golden Eagle. Again they met other watchers who had seen two Bears and two Wolves elsewhere. If only

After breakfast, the rain eased and the sun appeared. We loaded the buses and said our farewells and thanks to Marco and Geraldine and the staff at Albergo Paradiso, who had looked after us so well. We drove back through the park, still watching, just in case... Two Red Deer hinds were on the verge by the Bisegna road junction and two Buzzards were noted. We took the route through Bisegna to Pescina and the autostrada, enjoying the rainwashed scenery. A glimpse of a Hoopoe gave a final new sighting for the week. We arrived at the airport in good time, where we said farewell to two of the group who were staying in Italy, Nicola who had an internal flight, and Jessica who was meeting another group. The rest of us checked in for our journeys home, with many happy memories of the fascinating area that is the Abruzzo National Park.

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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 C	Common name	Location
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PTERIDOPHYTES	FERNS & ALLIES	

Leptosporangiate Ferns True Ferns
Aspleniaceae Spleenwort Family

Asplenium ceterachRusybackLa CamosciaraAsplenium ruta-murariaWall RueLa CamosciaraAsplenium trichomanesMaidenhair SpleenwortLa Camosciara

Cystopteraceae Bladder-fern Family

Cystopteris fragilis Brittle Bladder-fern Vallone Pesco di Lordo

Polypodiaceae Polypody Family

Adiantum capillus-veneris Maidenhair Fern La Camosciara

GYMNOSPERMS CONIFERS

 Cupressaceae
 Juniper Family

 Juniperus communis
 Common Juniper

 La Camosciara

 La Camosciara

Juniperus communis var. saxatilis Dwarf Juniper Val di Rose

PinaceaePine FamilyPinus mugoDwarf Mountain Pine

Pinus nigra subsp. italica* Villetta Barrea Black Pine Cliffs above Villetta Barrea Pinus nigra subsp. nigra Austrian or Black Pine Planted widely

Val di Rose

Pinus sylvestris Scots Pine Castel Mancino

ANGIOSPERMS FLOWERING PLANTS Eu-dicots True Dicotyledons

AdoxaceaeMoschatel FamilyAdoxa moschatellinaMoschatelVallone Pesco di Lordo

Sambucus ebulusDwarf ElderCastel MancinoSambucus nigraElderRoadsidesViburnum lantanaWayfaring TreeVal Fondillo

Apiaceae Carrot Family

Aegopodium podagrariaGround ElderLa CamosciaraAnthriscus sylvestrisCow ParsleyVal FondilloEryngium amethystinumBlue EryngoVal Fondillo

Laserpitium siler subsp. siculumA SermountainAbove Villetta BarreaSanicula europaeaSanicleLa CamosciaraScandix pecten-venerisShepherd's NeedlesOrchid Meadow

Aralaceae Ivy Family

Hedera helix Ivy Cstel Mancino

Scientific name Common name Location

Betulaceae

Corylus avellana

Boraginaceae

Cynoglossum montanum Cynoglottis barrellieri

Echium vulgare subsp. pustulatum

Myosotis graui*
Myosotis incrassata
Onosma echioides
Pulmonaria cf apennina*
Solenanthus apenninus*

Brassicaceae

Aethionema saxatile Alliaria petiolata Alyssum diffusum* Alyssum simplex (minus) Arabis caucasica

Aubrieta columnae subsp. columnae*

Barbarea sp.
Biscutella laevigata
Capsella bursa-pastoris
Cardamine bulbifera
Cardamine chelidonia
Cardamine enneaphyllos
Cardamine impatiens
Cardamine sp.

Erysimum pseudorhaeticum*

Isatis tinctoria Lunaria redivida Thlaspi stylosum*

Draba aizoides

Caprifoliaceae

Dipsacus fullonum Lonicera caprifolium Lonicera xylosteum Valeriana officinalis Valeriana tripteris Valeriana tuberosa Valerianella locusta

Caryophyllaceae

Cerastium tomentosum Paronychia kapela Silene conica Silene dioica

Silene (Lychnis) flos-cuculi

Silene italica

Birch Family

Hazel Vallone Pesco di Lordo

Forget-me-not Family

Mountain Hound's-tongue Val Fondillo an Anchusa (Blue) Widespread in area

a Viper's-bugloss Barrea
Alpine Wood Forget-me-not Val di Rose
- Val Fondillo

A Golden-drops Roadsides near Pescina

A Lungwort La Camosciara

Solenanthus Vallone Pesco di Lordo

Cabbage Family

Aethionema Above Villetta Barrea Garlic Mustard La Camosciara

a Yellow Alyssum Vallone Pesco di Lordo

an Alyssum Barrea Gorge

Alpine Rock-cress Vallone Pesco di Lordo

Aubrieta La Camosciara A Wintercress La Camosciara a Buckler Mustard Passo Godi Shepherd's Purse La Camosciara Coralroot La Camosciara a Bitter-cress (Purple) La Camosciara **Drooping Bitter-cress** La Camosciara Narrow-leaved Bitter-cress La Camosciara A white Bitter-cress Val Fondillo Val di Rose Yellow Whitlow-grass

a Treacle Mustard Vallone Pesco di Lordo
Woad Roadsides near Camosciara

Perennial Honesty Val Fondillo Apennine Penny-cress Val di Rose

Honeysuckle Family

Wild Teasel La Camosciara
Perfoliate Honeysuckle La Camosciara
Fly Honeysuckle La Camosciara
Common Valerian La Camosciara
Three-leaved Valerian La Camosciara
Tuberous Valerian Val di Rose
Common Cornsalad La Camosciara

Pink Family

Snow-in-Summer La Camosciara a Paronychia Barrea Gorge Sand Catchfly Hotel

Red Campion Hotel

Ragged Robin La Camosciara
Italian Catchfly Above Villetta Barrea

Scientific name	Common name	Location
Silene latifolia	White Campion	Hotel
Stellaria nemorum	Wood Stitchwort	La Camosciara
Stonana nomoram	vvoca Giliciiwort	La Gamosolala
Cistaceae	Rock-rose Family	
Helianthemum apenninum	White Rockrose	Passo Godi
Helianthemum nummularium	Rockrose	Val Fondillo
Helianthemum oelandicum subsp. alpestre	Alpine Rockrose	Val di Rose
Helianthemum oelandicum subsp. incanum	Hoary Rockrose	Val Fondillo
Compositae (Asteraceae)	Daisy Family	
Bellidastrum michelii	False Aster	La Camosciara
Bellis perennis	Daisy	La Camosciara
Bellis sylvestris	Southern Daisy	La Camosciara
Carlina acanthifolia	Acanthus-leaved Carline Thistle	Val Fondillo
Carlina acaulis subsp. simplex	"Stemmed" Stemless Carline Thistle	Val Fondillo
Carlina corymbosa	Corymbose Carline Thistle	Val Fondillo
Carlina vulgaris	Carline Thistle	Val Fondillo
Centaurea calcitrapa	Red Star-thistle	Lago di Barrea
Centaurea ceratophylla*	-	Above Villetta Barrea
Centaurea triumfettii	A Perennial Cornflower	Above Villetta Barrea
Cirsium lobelii*	a Thistle	Above Villetta Barrea
Cirsium tenoreanum	a Woolly Thistle	La Camosciara
Doronicum columnae	Heart-leaved Leopard's-bane	Val di Rose
Leucanthemum vulgare	Ox-eye Daisy	Val Fondillo
Petasites hybridus	Butterbur	La Camosciara
Podospermum canum	a Cut-leaved Viper's-grass	Barrea Gorge
Senecio doronicum	Chamois Ragwort	Passo Godi
Tragopogon porrifolius	Salsify	Barrea Gorge
Tragopogon pratensis	A Goat's-beard	Roadsides
Convolvulaceae	Bindweed Family	
Cuscuta epithymum	Common Dodder	Barrea Gorge
Cornaceae	Dogwood Family	
Cornus mas	Cornelian Cherry	La Camosciara
Cornus sanguinea	Dogwood	La Camosciara
3	3	
Crassulaceae	Stonecrop Family	
Sedum acre	Biting Stonecrop	Barrea Gorge
Sedum album	White Stonecrop	Castel Mancino
Sedum dasyphyllum	Fat-leaved Stonecrop	Barrea Gorge
Sedum rupestre	Rock Stonecrop	Barrea Gorge
Sedum sexangulare	Tasteless Stonecrop	Barrea Gorge
Sempervivum arachnoideum	Cobweb Houseleek	Val di Rose
Sempervivum riccii*	A Houseleek	Barrea Gorge
Euphorbiaceae	Spurge Family	
Euphorbia amygdaloides	Wood Spurge	La Camosciara
Euphorbia cyparissias	Cypress Spurge	Hotel
Euphorbia dulcis	Sweet Spurge	La Camosciara

Scientific name

Euphorbia gasparrinii subsp. samnitica*

Euphorbia helioscopia Euphorbia myrsinites Mercurialis perennis

Fagaceae

Fagus sylvatica Quercus cerris Quercus pubescens

Gentianaceae

Gentiana cruciata Gentiana dinarica* Gentiana lutea Gentiana verna

Geraniaceae

Erodium cicutarium Geranium lucidum Geranium macrorrhizum Geranium pyrenaicum Geranium reflexum

Grossulariaceae

Ribes uva-crispa

Lamiaceae

Ajuga chamaepitys Ajuga reptans Ajuga tenorei*

Clinopodium (Acinos) alpinum Lamiastrum galeobdolon

Lamium album
Lamium garganicum
Lamium maculatum
Mentha aquatica
Salvia verbenaca
Satureja montana
Thymus oenipontanus

Leguminosae (Fabaceae)

Anthyllis montana
Anthyllis vulneraria agg.
Astragalus depressus
Astragalus monspessulanus
Cytisophyllum sessilifolium
Cytisus (Chamaecytisus) hirsutus
Cytisus (Chamaecytisus) spinescens
Genista tinctoria

Genista tinctoria Hedysarum coronarium

Common name

An endemic Spurge Passo Godi
Sun Spurge Barrea Gorge
Glaucous Spurge Hotel
Dog's Mercury La Camosciara

Beech Family

Beech Common
Turkey Oak La Camosciara
Downy Oak La Camosciara

Gentian Family

Cross Gentian La Camosciara (leaves)

a Trumpet Gentian La Camosciara

Great Yellow Gentian Vallone Pesco di Lordo (leaves)

Location

Spring Gentian Val di Rose

Crane's-bill Family

Common Stork's-bill Val Fondillo
Shining Crane's-bill La Camosciara

Rock Crane's-bill La Camosciara (leaves)

Hedgerow Crane's-bill La Camosciara
Reflexed Crane's-bill La Camosciara

Gooseberry Family

Gooseberry Val Fondillo

Deadnettle Family

Ground Pine Val Fondillo
Bugle La Camosciara
Tenore's Bugle Passo Godi
Alpine Basil Thyme Val Fondillo

Yellow Archangel Vallone Pesco di Lordo White Dead-nettle Vallone Pesco di Lordo

Large Red Dead-nettle

Spotted Dead-nettle

Water Mint

Wild Clary

Winter Savory

Wild Thyme

Val Fondillo

La Camosciara

La Camosciara

Barrea Gorge

La Camosciara

Pea Family

Mountain Kidney Vetch Val di Rose
Kidney Vetch Val Fondillo
Sprawling Milk-vetch Val di Rose
False Vetch Val Fondillo

Sessile Broom Above Villetta Barrea

Hairy Broom Val di Rose Spiny Hairy Broom Val Fondillo

Dyer's Greenweed Roadsides near Gioia Vecchio

Italian Sainfoin Roadsides en route

Cymbalaria muralis

Digitalis ferruginea

Scientific name	Common name	Location
Hippocrepis comosa	Horseshoe Vetch	La Camosciara
Laburnum anagroides	Laburnum	Val Fondillo
Lathyrus aphaca	Yellow Vetchling	Castel Mancino
Lathyrus setifolius	Red Grass Vetchling	Val Fondillo
Lathyrus vernus	Spring Pea	La Camosciara
Lotus corniculatus	Bird's-foot Trefoil	Val Fondillo
Medicago lupulina	Black Medick	Val Fondillo
Onobrychis alba	a Sainfoin	Barrea Gorge
Onobrychis viciifolia	Sainfoin	Above Villetta Barrea
Pisum sativum	Wild Pea	Orchid Meadow
Spartium junceum	Spanish Broom	Roadsides en route
Trifolium incarnatum subsp. molinerii	a Crimson Clover	Barrea Gorge
Trifolium nigrescens	A small white clover	Barrea Gorge
Trifolium pratense	Red Clover	La Camosciara
Trifolium repens	White Clover	Val Fondillo
Vicia cracca	Tufted Vetch	Hotel
Vicia sativa agg	Common Vetch	Hotel
Vicia sylvatica	Wood Vetch	La Camosciara
Lentibulariaceae	Butterwort Family	
Pinguicula vallis-regiae*	Camosciara Butterwort	La Camosciara
Linaceae	Flax Family	
Linum bienne	Pale Flax	Val Fondillo
Linum capitatum	a Yellow Flax	Passo Godi
Oleaceae	Olive Family	
Fraxinus excelsior	Ash	La Camosciara
Fraxinus ornus	Flowering Ash	Barrea Gorge
Onagraceae	Willowherb Family	
Epilobium (Chamerion) angustifolium	Rosebay Willowherb	Castel Mancino
Orobanchaceae	Broomrape Family	
Euphrasia agg.	Eyebright	Val Fondillo
Orobanche alba	Thyme Broomrape	Above Villetta Barrea
Orobanche caryophyllacea	Bedstraw Broomrape	Above Villetta Barrea
Orobanche gracilis	Slender Broomrape	Orchid Meadow
Parentucellia latifolia	Southern Red Bartsia	Val Fondillo
Pedicularis hoermanniana	a Leafy Lousewort	La Camosciara
Rhinanthus minor agg.	Yellow Rattle	Val Fondillo
Papaveraceae	Poppy Family	
Chelidonium majus	Greater Celandine	Val Fondillo
Corydalis cava	a Bird-in-a-bush	Vallone Pesco di Lordo (in seed)
Papaver rhoeas	Common Poppy	Roadsides
Plantaginaceae	Plantain Family	
Cumbolaria muralia	hay leaved Toodfley	Hotal

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Ivy-leaved Toadflax

Brown Foxglove

Hotel

Vallone Pesco di Lordo (leaves)

Rhamnus alpinus

Rhamnus pumilus

Rhamnus saxatilis

Scientific name	Common name	Location
Globularia meridionalis	a Matted Globularia	Val Fondillo (leaves)
Globularia vulgaris	Common Globularia	La Camosciara
Linaria purpurea	Purple Toadflax	Barrea Gorge
Plantago atrata	Dark Plantain	Val di Rose
Plantago media	Hoary Plantain	La Camosciara
Veronica chamaedrys	Germander Speedwell	La Camosciara
Veronica officinalis	Heath Speedwell	Val di Rose
Veronica orsiniana	a Speedwell	Vallone Pesco di Lordo
Plumbaginaceae	Thrift Family	
Armeria canescens	Plantain-leaved Thrift	Val Fondillo
Polygalaceae	Milkwort Family	
Polygala alpestris	Mountain Milkwort	Val di Rose
Polygala chamaebuxus	Shrubby Milkwort	La Camosciara
Polygala flavescens*	A Yellow Milkwort	Val Fondillo
Polygala major	A Milkwort	Above Villetta Barrea
Polygala nicaeensis	Nice Milkwort	La Camosciara
Polygala vulgaris	Common Milkwort	Val Fondillo
Polygonaceae	Knotweed Family	
Rumex scutatus	French Sorrel	Hotel
Primulaceae	Primrose Family	
Androsace villosa	Ciliate Rock-jasmine	Val di Rose
Primula auricula	Bear's-ear	Val di Rose
Primula vulgaris	Primrose	Val Fondillo (leaves)
Soldanella alpina	Alpine Snowbell	Val di Rose
Ranunculaceae	Buttercup Family	
Actea spicata	Baneberry	Vallone Pesco di Lordo
Anemone (Pulsatilla) alpina	Alpine Pasque Flower	Val di Rose
Anemone ranunculoides	Yellow Anemone	Val Fondillo (leaves)
Aquilegia vulgaris	Columbine	La Camosciara
Ficaria verna agg.	Lesser Celandine	Val di Rose
Helleborus foetidus	Stinking Hellebore	La Camosciara
Hepatica nobilis	Hepatica	La Camosciara (leaves)
Ranunculus apenninus	Apennine Buttercup	Val di Rose
Ranunculus bulbosus	Bulbous Buttercup	Common
Ranunculus millefoliatus	Million-leaved Buttercup	Val di Rose
Ranunculus monspeliacus	-	La Camosciara
Ranunculus serpens subsp. nemorosus	Wood Buttercup	Vallone Pesco di Lordo
Ranunculus thora	Thore's Buttercup	La Camosciara
Thalictrum aquilegifolium	Great Meadow-rue	La Camosciara
Rhamnaceae	Buckthorn Family	
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Alpine Buckthorn

Dwarf Buckthorn

Rock Buckthorn

Vallone Pesco di Lordo

Barrea Gorge Val di Rose

Saxifraga adscendens subsp.adscendens

Saxifraga bulbifera

Saxifraga callosa

Scientific name Common name Location **Rose Family** Rosaceae Alchemilla alpina Val di Rose Alpine Lady's Mantle Alchemilla glaucescens a Lady's Mantle Vallone Pesco di Lordo Aremonia agrimonoides **Bastard Agrimony** Val di Rose Cotoneaster integerrimus Wild Cotoneaster Barrea Gorge Crataegus monogyna Hawthorn La Camosciara Mountain Avens Val di Rose Dryas octopetala Wild Strawberry La Camosciara Fragaria vesca Geum urbanum Wood Avens La Camosciara Malus sylvestris Crab Apple La Camosciara Potentilla detommasii A Sulphur Cinquefoil Val Fondillo Potentilla recta Sulphur Cinquefoil Vallone Pesco di Lordo Val di Rose Potentilla rigoana* a Cinquefoil Prunus mahaleb St. Lucie's Cherry Vallone Pesco di Lordo Prunus spinosa Blackthorn La Camosciara Wild Pear Pyrus pyraster La Camosciara Dog Rose La Camosciara Rosa canina agg. **Bramble** La Camosciara Rubus fruticosa agg. Rubus idaeus Raspberry Vallone Pesco di Lordo Sanguisorba minor Salad Burnet La Camosciara Whitebeam La Camosciara Sorbus aria Pescasseroli Sorbus aucuparia Rowan Rubiaceae **Bedstraw Family** Cruciata laevipes Crosswort La Camosciara Galium aparine Cleavers La Camosciara Galium mollugo Hedge Bedstraw Castel Mancino Galium odoratum Woodruff Vallone Pesco di Lordo Sherardia arvensis Field Madder La Camosciara Salicaceae Willow Family Black Poplar Val Fondillo Populus nigra agg. White Willow Val Fondillo Salix alba Salix caprea Goat Willow Val Fondillo Purple Willow Val Fondillo Salix purpurea Santalaceae Sandalwood Family Thesium divaricatum A Bastard Toadflax Val Fondillo Viscum album Mistletoe La Camosciara Sapindaceae **Maple Family** Acer campestre Field Maple La Camosciara Acer monspessulanum Montpelier Maple La Camosciara Acer opalus Italian Maple Val Fondillo Gioia Vecchio Acer pseudoplatanus Sycamore Saxifragaceae **Saxifrage Family**

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Thick-leaved Saxifrage

Biennial Saxifrage

Bulbous Saxifage

Val di Rose

Val Fondillo Barrea Gorge

Crocus vernus Iris germanica

Iris marsica*

Melanthiaceae

Paris quadrifolia

Scientific name Common name Location Val Fondillo Saxifraga granulata Meadow Saxifrage Saxifraga paniculata Live-long Saxifrage Barrea Gorge Saxifraga porophylla* Reddish Saxifrage Val di Rose Saxifraga rotundifolia Round-leaved Saxifrage Vallone Pesco di Lordo Val Fondillo Saxifraga tridactylites Rue-leaved Saxifrage Scrophulariaceae **Figwort Family** Dog (French) Figwort Val Fondillo Scrophularia canina subsp. canina Scrophularia vernalis Yellow Figwort Vallone Pesco di Lordo Verbascum mallophorum a large branched Mullein La Camosciara Thymelaeaceae **Daphne Family** Spurge Laurel La Camosciara Daphne laureola Daphne mezereum Mezereon Val di Rose Daphne oleoides Passo Godi Urticaceae **Nettle Family** Urtica dioica Nettle Val Fondillo Violaceae **Violet Family** Viola alba subsp. dehnhardtii A Violet (mauve) Vallone Pesco di Lordo Viola arvense Field Pansy Castel Mancino Viola eugeniae* a Pansy La Camosciara Monocots Monocotyledons **Daffodil Family** Amaryllidaceae An Allium Val di Rose Allium sp. Galanthus nivalis Snowdrop Vallone Pesco di Lordo (leaves) Asparagaceae **Asparagus Family** Anthericum liliago St. Bernards Lily Above Villetta Barrea Leopoldia (Muscari) comosa Tassel Hyacinth Castel Mancino Val Fondillo Muscari neglectum Dark Grape Hyacinth Ornithogalum umbellatum Common Star of Bethlehem La Camosciara Vallone Pesco di Lordo Polygonatum multiflorum Solomon's Seal Scilla bifolia Alpine Squill Val di Rose Colchicaceae **Autumn Crocus Family** Colchicum Iusitanum an Autumn Crocus Val di Rose (leaves) Cyperaceae **Sedge Family** Carex caryophyllea Spring Sedge Val Fondillo Iridaceae Iris Family

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Spring Crocus

German Iris

Marsican Iris

Herb-Paris

Herb-Paris Family

Val di Rose

Castel Mancino

La Camosciara

Vallone Pesco di Lordo

Scientific name	Common name	Location
Veratrum lobelianum	Green False-helleborine	La Camosciara
Orchidaceae	Orchid Family	
Anacamptis morio subsp. morio	Green-winged Orchid	La Camosciara
Cephalanthera damasonium	White Helleborine	La Camosciara
Cephalanthera longifolia	Sword-leaved Helleborine	La Camosciara
Corallorhiza trifida	Coralroot Orchid	La Camosciara
Cypripedium calceolus	Lady's Slipper Orchid	La Camosciara
Dactylorhiza fuchsii	Common Spotted Orchid	La Camosciara (leaves)
Dactylorhiza incarnata	Early Marsh Orchid	Val Fondillo
Dactylorhiza sambucina	Elder-flowered Orchid	Passo Godi
Gymnadenia conopsea agg	Fragrant Orchid	Val Fondillo
Himantoglossum adriaticum	Adriatic Lizard Orchid	Castel Mancino
Neotinea (Orchis) tridentata	Toothed Orchid	Val Fondillo
Neotinea (Orchis) ustulata	Burnt Orchid	Road verge and Orchid Meadow
Neotinea x dietrichiana (N.tridentata x ustulata)	Hybrid	Orchid Meadow
Neottia ovata	Twayblade	La Camosciara
Neottia nidus-avis	Bird's Nest Orchid	La Camosciara
Ophrys fuciflora subsp. fuciflora	Late Spider Orchid	Val Fondillo
Ophrys fuciflora subsp. fuciflora (O. dinarica)	A Late Spider Orchid	Val Fondillo
Ophrys insectifera	Fly Orchid	La Camosciara
Ophrys sphegodes subsp. sphegodes	Early Spider Orchid	Val Fondillo
Orchis anthropophora	Man Orchid	Above Villetta Barrea
Orchis mascula subsp. speciosa (O. ovalis)	an Early Purple Orchid	La Camosciara
Orchis x colemannii (O. mascula x pauciflora)	Hybrid Orchis	Passo Godi
Orchis militaris	Military Orchid	Val Fondillo
Orchis pallens	Pale-flowered Orchid	Passo Godi
Orchis pauciflora	Sparse Flowered Orchid	Passo Godi
Orchis purpurea	Lady Orchid	La Camosciara
Platanthera bifolia	Lesser Butterfly Orchid	Orchid Meadow (not out)
Poaceae	Grass Family	
Briza media	Quaking Grass	Val Fondillo
Dactylis glomerata	Cocksfoot Grass	Val Fondillo
Festuca glauca	Blue Fescue	Val Fondillo
Festuca vivipara	Viviparous Fescue	Val Fondillo
Poa bulbosa subsp. vivipara	Viviparous Meadow-grass	Val Fondillo
Xanthorrhoeaceae	Asphodel Family	
Asphodelus alba	White Asphodel	
Asphodeline lutea	Yellow Asphodel	Roadside near Camosciara
FUNGI		
Lecanoromycetes	LICHENS	
Lobaria pulmonaria	Lungwort	Vallone Pesco di Lordo
Basidiomycota		
Auricularia auricula-judae	Jelly Ear	La Difesa
Fomes fomentarius	Hoof Fungus	La Difesa
Armillaria sp.	Honey Fungus	La Difesa

Scientific name Common name Location

cf. Trametes versicolorcf. Turkey TailLa DifesaGandoderma sp.La Difesa

Birds (\checkmark = recorded but not counted; H = heard; LO = leader only)

			May							
	Common name	Scientific name	18	19	20	21	22	23	24	25
1	Mallard	Anas platyrrhynchos				✓		✓		
2	Common Quail	Cortunix cortunix				Н			Н	
3	Great Crested Grebe	Podiceps cristatus						✓		
4	Golden Eagle	Aquila chrysaetos		2			2	2		1
5	Eurasian Sparrowhawk	Accipiter nisus					✓		✓	
6	Common Buzzard	Buteo buteo		✓	✓		✓	✓	✓	✓
7	Eurasian Coot	Fulica atra						✓		
8	Yellow-legged Gull	Larus michahellis	✓					✓		
9	Rock Dove/Feral Pigeon	Columba livia	✓			✓	✓	✓	✓	
10	Common Wood Pigeon	Columba palumbus		✓	✓	✓	✓	✓	✓	
11	Eurasian Collared Dove	Streptopelia decaocto	✓							
12	Common Cuckoo	Cuculus canorus		Н	Н	Н	Н	Н	Н	Н
13	Tawny Owl	Strix aluco				Н	Н		Н	
14	European Nightjar	Caprimulgus europaeus							Н	
15	Common Swift	Apus apus	✓				✓	✓	✓	✓
16	Eurasian Hoopoe	Upupa epops		Н						✓
17	Eurasian Wryneck	Jynx torquilla		✓	Н	Н		Н	Н	
18	Great Spotted Woodpecker	Dendrocopos major					✓			
19	European Green Woodpecker	Picus viridis					✓	✓		
20	Common Kestrel	Falco tinnunculus		✓	✓	✓	✓	✓		
21	Rose-ringed Parakeet	Psittacula krameri	✓							
22	Red-backed Shrike	Lanius collurio			✓	✓		✓	✓	
23	Eurasian Jay	Garrulus glandarius					✓	✓	✓	✓
24	Eurasian Magpie	Pica pica	✓	✓	✓	✓	✓	✓	✓	✓
25	Red-billed Chough	Pyrrhocorax pyrrhocorax					✓	✓		
26	Western Jackdaw	Coloeus monedula	✓	✓				✓		
27	Hooded Crow	Corvus cornix	✓	✓	✓	✓	✓	✓	✓	✓
28	Coal Tit	Periparus ater		✓	✓	✓	Н	Н	✓	
29	Marsh Tit	Poecile palustris			✓				✓	
30	Eurasian Blue Tit	Cyanistes caeruleus		√	✓	✓	✓	✓	√	
31	Great Tit	Parus major		✓	✓	✓	✓	✓	✓	✓
32	Woodlark	Lullula arborea		Н						
33	Eurasian Skylark	Alauda arvensis						Н	Н	
34	Barn Swallow	Hirundo rustica	✓	✓	✓	✓	✓	✓	✓	✓
35	Eurasian Crag Martin	Ptyonoprogne rupestris						✓		
36	Common House Martin	Delichon urbicum	✓	√	✓	✓	✓	✓	√	✓
37	Long-tailed Tit	Aegithalos caudatus		✓	✓	Н				
38	Common Chiffchaff	Phylloscopus collybita		✓	Н	✓	✓	Н	✓	
39	Western Bonelli's Warbler	Phylloscopus bonelli		✓	Н		✓	✓	✓	
40	Eurasian Blackcap	Sylvia atricapilla		✓	✓	✓	✓	✓	✓	
41	Common Whitethroat	Sylvia communis			LOH					
42	Common Firecrest	Regulus ignicapillus		✓	Н	✓	Н	Н	✓	

43 Eu 44 Eu 45 Sh 46 Co 47 Co 48 So 49 Mi 50 Eu 51 Co 52 Bl 53 Co 54 Eu	ommon name urasian Wren urasian Nuthatch hort-toed Treecreeper ommon Starling ommon Blackbird ong Thrush istle Thrush uropean Robin	Scientific name Troglodytes troglodytes Sitta europaea Certhia brachydactyla Sturnus vulgaris Turdus merula Turdus philomelos	18	19 ✓ ✓ H	20 ✓ H H	21 H H	22 H	23 H	24 H H	25
44 Eu 45 St 46 Cc 47 Cc 48 Sc 49 Mi 50 Eu 51 Cc 52 Bl 53 Cc 54 Eu	urasian Nuthatch hort-toed Treecreeper ommon Starling ommon Blackbird ong Thrush istle Thrush	Sitta europaea Certhia brachydactyla Sturnus vulgaris Turdus merula Turdus philomelos		✓ H	Н	Н				
45 Sr 46 Cc 47 Cc 48 Sc 49 Mi 50 Eu 51 Cc 52 Bl 53 Cc 54 Eu	nort-toed Treecreeper ommon Starling ommon Blackbird ong Thrush istle Thrush	Certhia brachydactyla Sturnus vulgaris Turdus merula Turdus philomelos		Н			Н		Н	
46 Ccc 47 Ccc 48 Scc 49 Mii 50 Eu 51 Ccc 52 Bl: 53 Ccc 54 Eu	ommon Starling ommon Blackbird ong Thrush istle Thrush	Sturnus vulgaris Turdus merula Turdus philomelos			Н	Н	Н			1
47 Ccc 48 Scc 49 Mi 50 Eu 51 Ccc 52 Bl: 53 Ccc 54 Eu	ommon Blackbird ong Thrush istle Thrush	Turdus merula Turdus philomelos		✓			1 1 1	H	✓	
48 Sc 49 Mi 50 Eu 51 Cc 52 Bl 53 Cc 54 Eu	ong Thrush istle Thrush	Turdus philomelos	./	· 1		✓	✓	✓	✓	
 49 Mi 50 Eu 51 Co 52 Bi 53 Co 54 Eu 	istle Thrush	•	•	✓	✓	✓	✓	✓	✓	✓
50 Eu 51 Co 52 Bla 53 Co 54 Eu				Н		✓	✓	Н	Н	
51 Cd 52 Bla 53 Cd 54 Eu	uropean Robin	Turdus viscivorus					Н			✓
52 Black 53 Cd 54 Eu		Erithacus rubecula		✓	✓	✓	✓	✓	✓	✓
53 Co	ommon Nightingale	Luscinia megarhynchos	Н	Н				Н		
54 Eu	ack Redstart	Phoenicurus ochruros			✓	✓	✓	Н	Н	
	ommon Redstart	Phoenicurus phoenicurus		✓	✓	✓	✓	✓	✓	✓
55 No	uropean Stonechat	Saxicola torquata		✓						
	orthern Wheatear	Oenanthe oeneanthe				✓	✓	✓	✓	
56 Sp	ootted Flycatcher	Muscicarpa striata							LO	
57 Ita	alian Sparrow	Passer italiae	✓		✓		✓	✓	✓	✓
58 Eu	urasian Tree Sparrow	Passer montanus		✓	✓	✓	✓	✓	✓	✓
59 Al	pine Accentor	Prunella collaris						✓		
60 Du	unnock	Prunella modularis						Н		
61 Gr	rey Wagtail	Montacilla cinerea		✓	✓				✓	
62 W	hite Wagtail	Montacilla alba		✓	✓			✓	✓	
63 Tr	ee Pipit	Anthus trivialis			✓		✓		Н	
64 W	ater Pipit	Anthus spinoletta					✓			
65 Co	ommon Chaffinch	Fringilla coelebs		✓	✓	✓	✓	✓	✓	✓
66 Eu	urasian Bullfinch	Pyrrhula pyrrhula		Н	✓	✓	Н	✓	✓	
67 Eu	uropean Greenfinch	Chloris chloris		✓	✓	✓		✓	Н	
68 Co	ommon Linnet	Linaria cannabina			✓		✓	✓	✓	
69 Re	ed Crossbill	Loxia curvirosta		✓	✓				✓	
70 Eu	uropean Goldfinch	Carduelis carduelis		✓	✓	✓	✓	✓	✓	✓
71 Eu	uropean Serin	Serinus serinus		✓	✓	✓	✓	✓	✓	✓
72 Cd	orn Bunting	Miliaria calandra		Н	Н			Н	Н	
73 Ye		Emberiza citrinella		√						
74 R	ellowhammer	LITIDOTIZA GIUTITOTIA		V	Н			✓	H	
75 Ci	-	Emberiza cia		•	Н			✓	H ✓	

$Mammals \ \{D = dead; \ S = signs \ (including \ droppings) \ \}$

1	Common Pipistrelle Bat	Pipistrellus pipistrellus					✓			
2	Mole	Talpa sp.				S				
3	Red Fox	Vulpes vulpes	1	1			3			
4	Eurasian Wolf	Canis lupus lupus		4	S	S	S			
5	Marsican Brown Bear	Ursus arctos marsicanus			4		1			
6	Beech Marten	Martes foina						S		
7	Red Deer	Cervus elaphus		12	10	4	✓	✓	3	
8	Roe Deer	Capreolus capreolus							5	
9	Apennine (or Abruzzo) Chamois	Rupicapra pyrenaica ornata			2		25			
10	Wild Boar	Sus scrofa		S	9	c11		4	6	
11	Brown Hare	Lepus europaeus	1			2				
12	Red Squirrel	Sciurus vulgaris			1			1	2	
13	Bank Vole	Clethrionomys glareolus					S			

			May							
	Common name	Scientific name	18	19	20	21	22	23	24	25
14	Snow Vole	Microtus nivalis					S			
15	Shrew sp.				D					

Reptiles & Amphibians

1	Common Toad	Bufo bufo			Spawn				
2	Italian Stream Frog	Rana italica	✓	✓					
3	Western Green Lizard	Lacerta bilineata	✓		D	✓	✓		
4	Common Wall Lizard	Podarcis muralis	✓	✓		✓	✓	✓	

Fish

1	Brown Trout	Salmo trutta	✓	✓			
2	Common Carp	Cyprinus carpio				S	

Butterflies

1	Swallowtail	Papilo machaon				✓	✓	
2	Scarce Swallowtail	Iphiclides podalirius	✓	✓		✓	✓	
3	Black-veined White	Aporia crataegi				✓		
4	Large White	Pieris brassicae	✓	✓	✓	✓	✓	
5	Small White	Pieris rapae	✓			✓	✓	
6	Mountain Small White	Pieris ergane					✓	
7	Green-veined White	Pieris napi					✓	
8	Eastern Bath White	Pontia edusa		✓				
9	Orange Tip	Anthocharis cardamines	✓	✓		✓	✓	
10	Provence Orange Tip	Anthocharis euphenoides				✓	✓	
11	Clouded Yellow	Colias crocea	✓	✓	✓	✓	✓	
12	Berger's Clouded Yellow	Colias alfacariensis	✓	✓	✓	✓	✓	
13	Brimstone	Gonepteryx rhamni	✓	✓		✓		
14	Wood White	Leptidea sinapis	✓	✓	✓	✓	✓	
15	Green Hairstreak	Callophrys rubi		✓		✓	✓	
16	Purple-shot Copper	Lycaena alciphron					✓	
17	Little Blue	Cupido minimus	✓	✓	✓	✓	✓	
18	Baton Blue	Pseudophilotes baton		✓	✓	✓	✓	
19	Brown Argus	Aricia agestis		✓	✓	✓	✓	
20	Chapman's Blue	Polyommatus thersites		✓				
21	Turquoise Blue	Polyommatus dorylas					✓	
22	Adonis Blue	Polyommatus bellargus		✓	✓	✓	✓	
23	Common Blue	Polyommatus icarus	✓	✓	✓	✓	✓	
24	Duke of Burgundy Fritillary	Hamearis lucina	✓					
25	Red Admiral	Vanessa atalanta			✓		✓	
26	Painted Lady	Vanessa cardui	✓	✓		✓	✓	
27	Small Tortoiseshell	Aglais urticae			✓	✓		
28	Queen of Spain Fritillary	Issoria lathonia	✓	✓				
29	Pearl-bordered Fritillary	Boloria euphrosyne	✓	✓	✓	√		
30	Knapweed Fritillary	Melitaea phoebe				✓	✓	
31	Glanville Fritillary	Melitaea cinxia				√	✓	
32	Spotted Fritillary	Melitaea didyma					✓	_
33	Lesser Spotted Fritillary	Melitaea trivia				√	✓	_

		May									
	Common name	Scientific name	18	19	20	21	22	23	24	25	
34	Heath Fritillary	Melitaea athalia					✓		✓		
35	Marsh Fritillary	Euphydryas aurinia						✓			
36	Small Heath	Coenonympha pamphilus		✓	✓		✓	✓	✓		
37	Speckled Wood	Pararge aegeria		✓	✓			✓	✓		
38	Wall Brown	Lasiommata megera					✓	✓	✓		
39	Large Wall Brown	Lasiommata maera					✓	✓	✓		
40	Southern Grizzled Skipper	Pyrgus malvoides			✓		✓	✓			
41	Oberthür's Grizzled Skipper	Pyrgus armoricanus						✓			
42	Red-underwing Skipper	Spialia sertorius			✓						
43	Dingy Skipper	Erynnis tages		✓	✓			✓	✓		

$Micro\ Moths\ (L = larval\ form\ or\ caterpillar)$

T Official a Efficiency Transfer and Transfe	1	Orchard Ermine	Yponomeuta padella						L			
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Macros Moths

1	Six-spot Burnet	Zygaena filipendulae		✓				
2	Transparent Burnet	Zygaena purpuralis	✓	✓		✓	✓	
3	Small Grass Emerald	Chlorissa viridata		✓				
4	Garden Carpet	Xanthorhoe fluctuata		✓				
5	Scorched Carpet	Ligdia adustata	✓					
6	Treble-bar	Aplocera plagiata		✓	✓			
7	Lesser Treble-bar	Aplocera efformata	✓					
8	Chimney Sweeper	Odezia atrata				✓	✓	
9	Latticed Heath	Chiasmia clathrata clathrata				✓		
10	Common Heath	Ematurga atomaria				✓		
11	Brimstone Moth	Opisthograptis luteolata		✓				
12	Yellow Belle	Semiaspilates ochrearia	✓					
13	Humming-bird Hawk-moth	Macroglossum stellatarum		✓		✓	✓	
14	Lobster Moth	Stauropus fagi	✓					
15	Patton's Tiger	Hyphoraia testudinaria	✓					
16	The Tiger	Atlantarctia tigrina					L	
17	Large Yellow Underwing	Noctua pronuba		✓				
18	Mother Shipton	Callistege mi					✓	
19	Small Purple-barred	Phytometria viridaria				✓		

Other Invertebrates

1	Mayfly	Ephemera sp.	✓				✓		
2	Stonefly	Perlidae sp.	✓				✓		
3	Field Cricket	Gryllus campestris	Н	✓	Н	Н	Н	Н	
4	Forest Bug	Pentatoma rufipes					✓	✓	
5	Brassica Shield Bug	Eurydema oleracea	✓						
6	A Shield Bug (Diamond-shaped)	Syromastes rhombeus					✓		
7	Red & black Ground Bug	Lygaeus saxatilis						✓	
8	Gendarme Bug	Pyrrhocoris apterus						✓	
9	Red and black Froghopper	Cercopis vulnerata		✓			✓	✓	
10	Ascalaphid	Libelloides coccajus		✓				✓	
11	Caddis Fly	Trichoptera sp.		L					

						Мау						
	Common name	Scientific name	18	19	20	21	22	23	24	25		
12	Common Drone Fly	Eristalis tenax			✓							
13	Violet Carpenter Bee	Xylocopa violacea		✓	✓			✓	✓			
14	Honey Bee	Apis melifera		✓	✓			✓	✓			
15	Garden Bumblebee	Bombus hortorum							✓			
16	Early Bumblebee	Bombus pratorum					✓					
17	White-tailed Bumblebee	Bombus lucorum		✓	✓			✓	✓			
18	Red-tailed Bumblebee	Bombus lapidarius		✓	✓			✓	✓			
19	Common Carder Bee	Bombus pascuorum		✓	✓			✓	✓			
20	Green Tiger Beetle	Cicindela campestris							✓			
21	Dung Beetle	Scarabaeus sp.			✓							
22	Dor Beetle	Geotrupes stercorarius					✓					
23	Rose Chafer	Cetonia aurata		✓					✓			
24	A Soldier Beetle	Cantharis rustica						✓				
25	Cardinal Beetle	Pyrochroa serraticornis		✓								
26	Glow-worm	Lampyris noctiluca					✓					
27	7-Spot Ladybird	Coccinella 7-punctata			✓			✓				
28	a Longhorn Beetle	Morimus asper funereus			✓							
29	Ladybird Spider	Eresus kollari						✓				
30	Wolf Spider	Lycosidae sp.						✓	✓			
31	Crab Spider	Misumena vatia						✓				
32	Jumping Spider	Philaeus chrysops							✓			



An Ascalaphid by Kim Taylor