

# The Apennines: Italy's Abruzzo National Park

Naturetrek Tour Report

21 - 28 May 2008



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**Summary:** This year was the fourth that Naturetrek has visited the Abruzzo National Park in the central Apennines of Italy. As ever there were new opportunities and surprises, especially on the mammal front, with our three sightings of the Marsican Brown Bear – a first for this tour. We had beautifully hot, sunny weather for most of the week. However the area, as with most of Italy, had poor weather throughout the spring and it was noticeable that it was a much later season than the previous year, possibly some three weeks behind. This meant that there was not the abundance of butterflies or flowers recorded in previous years, many plants still being in a vegetative state. However, it did mean we were able to record earlier spring species – ones that had long been over in 2007. Geraldine and Marco, as ever, provided excellent hospitality and introduced us to several local specialities, and our days were punctuated by the traditional Naturetrek picnics consisting of local produce.

## Day 1

Wednesday 21st May

**Weather:** sunny at Gatwick; showers, some heavy & persistent, in Italy

Jessica and Dave met some of the group at Gatwick for the flight to Rome. Having located the minibus we joined the Rome ringroad and headed out towards L'Aquila. Dave had taken his car to pick up Tony and Liz from Ciampino airport, and the whole group met up at a service area where we stopped for a late lunch. As we climbed towards the mountains the weather cleared somewhat and we were able to enjoy the cloud effects on the peaks, and the anticipation of the wildlife opportunities of the week ahead.

Turning off the autostrada at Pescara, we made our way south across the Piana del Fucino, before climbing up to the Abruzzo National Park. We drove through Pescasseroli, and soon arrived at the Albergho Paradiso, where Geraldine and Marco gave us a very warm welcome. We had time to settle in while Jessica and Dave went shopping for the following day's picnic. After a brief introductory chat, we were soon enjoying an excellent dinner.

## Day 2

Thursday 22nd May

Weather: fine & sunny; heavy thunderstorm in the afternoon, then a fine evening

After all the rain of previous days, we were delighted to wake up to a beautifully sunny day and after breakfast we set off for Camosciara, one of the most popular valleys in the Park, surrounded by high mountain peaks and crags.

A first scan of the mountains from the car park gave us views of Golden Eagle and several Honey Buzzards: we were to see 15 in the course of the day, presumably on migration, and having been held back by poor weather. We also spotted a herd of 10 Red Deer grazing on a hillside. We set off along the road to explore the meadows and scrub of the lower valley.

The past poor weather was apparent both in the quantities of mud and standing water from the recent rain, and also in the lateness of the season, with many plants not yet being in flower. However, among the Juniper (*Juniperus communis*), Hawthorn (*Crataegus monogyna*) and Blackthorn (*Prunus spinosa*) scrub, we found Twayblade (*Neottia ovalis*), Green-winged Orchid (*Orchis morio*) and a local species of an Early Purple Orchid (*Orchis ovalis*, similar to *Orchis mascula*, but with long, wavy petals and sepals). A few spikes of Nice Milkwort (*Polygala nicaeensis*) were also found. Most of the orchids grow where bushes give some protection from grazing animals.

A couple of Wood White butterflies were in flight, and we had good views of Red-backed Shrikes. Blackcaps and Bonelli's Warbler were both seen and heard, and Italian Wall Lizards and a fine Slow Worm were enjoying the sun, as we proceeded up the valley at a gentle pace.

A shady stretch of stream bank held a beautiful specimen of the locally special *Gentiana dinarica*, the unusual Thore's Buttercup (*Ranunculus thora*) with its enormous kidney-shaped leaves, Shrubby Milkwort (*Polygala chamaebuxus*) and, excitingly, a clump of Lady's Slipper Orchid (*Cypripedium calceolus*) not quite in flower. We had our picnic on a bridge over the stream as a Dipper flew rapidly underneath us. Insect life included a Cockchafer and Stoneflies, and Sword-leaved Helleborine (*Cephalanthera longifolia*) was growing on a small island.

We continued to the cafe, passing some spikes of Columbine (*Aquilegia vulgaris*), Lungwort (*Pulmonaria sp.*), and Herb Paris (*Paris quadrifolia*). The waterfalls at 'the Cascade of the Nymphs' were extremely dramatic due to recent rain, but the skies had clouded over and soon the heavens opened in a torrential and dramatic thunderstorm. A road train runs between the car park and the cafe, and we were pleased to take it down the valley, as we were all rapidly getting drenched. However, thunderstorms are often short-lived and by the time we reached the car park the rain had cleared, and a Song Thrush was singing.

Having dried out back at the hotel, we ventured out in evening sunshine to Goia Vecchio church, one of our Bear-watching sites. A very tame Fox was hanging round, obviously waiting for snacks from Bear-seekers, and five Red Deer and a Wild Boar were seen of the far side of the valley. Then we got a glimpse of a Marsican Brown Bear crossing a clearing at the top of the valley, very distant, but definitely a Bear, and so we returned for dinner, pleased at the first Naturetrek sighting of this mammal.

## Day 3

Friday 23rd May

Weather: fine & sunny; a little light rain in the afternoon which soon cleared

Another glorious morning tempted some of the group out early, where birds seen included Wryneck, Firecrest, Black and Common Redstarts, and the ubiquitous Serins. After breakfast, we went into Pescasseroli to shop for our picnic and to have a quick look round the town. Our destination today was Valle Fondillo, which is adjacent to Camosciara but very different in character.

We parked under some willows, and set off up the track in the hot sunshine. Buzzard, Honey Buzzard and Golden Eagle were all seen, while on the banks plants included Star of Bethlehem (*Onithogalum umbellatum*), Salad Burnet (*Potentilla sanguisorba*), the large-flowered buttercup *Ranunculus montanellus*, Toothed Orchid (*Orchis tridentata*) and Dark Grape Hyacinth (*Muscari neglecta*). Field Crickets were calling, and we were able to see one at the mouth of its burrow. In the wooded areas on the edge of the valley, we found the yellow Geum-like *Aremonia agremoides*, Stinking Hellebore (*Helleborus foetidus*) and a Wood Mouse.

A large boulder near the bridge bore *Saxifraga porophylla* (a Reddish Saxifrage), a local speciality, and nearby were several very fine spikes of Military Orchid (*Orchis militaris*). Here we crossed the bridge over the river to explore the other side, where we found many more plants of *Gentiana dinarica* in flower, protected by the Juniper bushes from over-grazing. We also found more Sword-leaved Helleborine (*Cephalanthera longifolia*), Green-winged Orchids (*Orchis morio*) and the endemic Hound's-tongue (*Cynoglossum magellense*). We ate our picnic in a flat grassy meadow under the watchful eye of a local shepherd dog which escorted us up the valley and back down again, but was very well-behaved and undemanding!

Unfortunately, the heavy rain meant that our 'usual' return route across the stream was impassable (our canine companion swam, but we discounted that option!), so we had to retrace our steps to the bridge. In a marshy, wooded area, Dave located a Broad-bodied Chaser Dragonfly, and also Collared Flycatcher, while the botanists squelched about looking at Early Marsh Orchids (*Dactylorhiza incarnata*). We also had excellent views of Firecrest, which had responded to recorded calls.

We returned to our buses and headed to the village of Opi, perched precariously on top of a hill, where we had time to explore and have coffee before returning to the hotel for another of Geraldine's delicious dinners.

## Day 4

Saturday 24th May

Weather: chilly first thing then fine & sunny; breezy

Some of the group were up early this morning and we returned to Goia Vecchio at 5.30am for another mammal watch. The bees were already busy in the Limes overhead, but the mammals were more elusive, although we did see several Red Deer and a Wild Boar in the valley below. Moving into the sun to thaw out we had good views of Collared Flycatcher and Black Redstart and, as we returned for breakfast, we had excellent views of Hoopoe and Wheatear. A Red Squirrel (here, very dark chocolate-brown) was running up the trees near the hotel.

Our destination this morning was Castel Mancino, the ruined castle above Pescasseroli. We parked by the cemetery wall noting Walnut trees (*Juglans regia*) in the fields below.

As we climbed through the trees we noted Greater Celandine (*Chelidonium majus*) and Wild Strawberry (*Fragaria vesca*), and heard Coal Tits calling. We emerged into the open by the castle ruin, admiring the Kidney Vetch (*Anthyllis vulneraria*) and Basil Thyme (*Acinos arvensis*). We had excellent views of a magnificent Swallowtail butterfly, and Scarce Swallowtail, Moroccan Orange-tip, Common Blue and Painted Lady were among the other butterflies seen, though in general the butterflies were not as prolific as in previous years due to the later season and the strong breeze. We found two new orchids: Man (*Orchis anthropophorum*) and Adriatic Lizard (*Himantoglossum adriaticum*), and our pause at the top resulted in two Green Hairstreak butterflies. We gently retraced our steps, taking the path out into the meadow and back to the vehicles, before heading into the town centre for pizzas and Italian ice-cream.

After a leisurely break we made our way to Barrea at the end of the valley, above the man-made Lago di Barrea. We parked at the top of the town amid a cycling challenge and made our way up towards the gorge where there is a local nature reserve. We saw Little Blue and many Red Admiral caterpillars on nettles, and were serenaded by a Nightingale. As we were enjoying this, plus the sound of Whitethroats singing, we had excellent views of a Blue Rock Thrush on the roof of a nearby building. Continuing into the meadow, we found Burnt-tipped Orchid (*Orchis ustulata*) and more Toothed Orchids (*Orchis tridentata*), while on the cliffs of the gorge was Thick-leaved Saxifrage (*Saxifraga callosa*). While some just enjoyed the magnificent scenery of cliffs and caves, others watched Choughs, Golden Eagle and several Red Deer grazing on the precipitous slopes.

On our return journey near Opi, sharp eyes in the back of the bus spotted several Wild Boar in a nearby meadow. Further investigation revealed a family party of six adults and 12 piglets of various ages, the youngest being ginger and striped. We were delighted to have such good views and returned content after another long but full day.

## Day 5

Sunday 25th May

Weather: hot & sunny

We started today with a trip into town to admire the 'Infiorata', the floral pathways created to celebrate the religious festival of Corpus Domini. The streets of the town were decorated with intricate designs of coloured sand, woodshavings and flower petals, which remain only for half a day for the Church processions before being cleared away.

We then moved on to the valley of the Prato Rosso, just to the north-east of Pescasseroli, where we drove several miles into the valley before parking in the shade of some willows, and setting off up the stony track. A sunny bank gave a good show of Hoary Rockrose (*Helianthemum oelandicum canum*), Horseshoe Vetch (*Hippocrepis comosa*), and Nice Milkwort (*Polygala nicaeensis*), and we then spotted an Ascalaphid (*Libelloides coccajus*). Nearby a dead Hoopoe was being buried by a pair of Sexton Beetles, quite a task! Where the path went under a cliff, there was a magnificent patch of *Gentiana dinarica*, looking bluer than ever.

After our picnic, we continued to climb through Beech woods which had some magnificent trees, and we were serenaded by Wood Warblers. The flora here included the Yellow Anemone (*Anemone ranunculoides*) and Coralroot (*Cardamine bulbifera*), with black bulbils in the leaf axils. We also saw the strange endemic Solenanthus (*Solenanthus apenninus*), a large member of the Borage family.

By this time, the group had spread out somewhat and, as they reached the end of the woodland and entered the Prati Rossi (literally 'red meadows'), those at the front were stunned and delighted to see two Wolves run across the path in front of them! Such a sighting is extremely rare, as there are only between 40 and 50 Wolves in Abruzzo and they are not usually active during the heat of the day. A collection of orchids in the meadows provided some further interest, especially the hybrids between Early purple Orchid (*Orchis mascula*) and the yellow Sparse-flowered Orchid (*Orchis pauciflora*). We returned by the same route with Jessica bringing the van further up to collect some of the group.

We had an early dinner in order to have a longer opportunity for Bear-watching. This evening we chose to stay by the landslip on a flower-covered hillside where we had good views of the meadows and woods opposite. We saw a Fox hunting and then, after about 20 minutes, a Bear emerged from the woods and wandered south across the meadows, grazing leisurely. We had excellent views for at least an hour and only left when it was too dark to see the animal any longer! We returned home on a high after such an excellent day.

## Day 6

Monday 26th May

Weather: fine, hot & sunny

With a good weather forecast, we decided to do our 'high' walk today, above the tree line. Two members of the group opted for a less strenuous day, but the rest of us headed for Civitella Alfedena, where we parked in a new car park above the village. The stony path rose steeply up the Valle di Rose, and the few sunny days meant there were more butterflies on the wing. Common blue, Adonis blue and some fritillaries were seen, and those at the front of the group had an excellent view of a Goshawk at close range. Through the woods we encountered Sword-leaved Helleborine (*Cephalanthera longifolia*) and Bird's-nest Orchid (*Neottia nidus-avis*) just coming into flower; also Bonelli's Warblers and a Collared Flycatcher.

After a long climb we emerged above the trees to a large snow patch, bordered by carpets of Purple Crocuses (*Crocus vernus*) and blue Alpine Squill (*Scilla bifolia*). As we had our picnic we watched some Abruzzo Chamois, a local endemic race. We saw about 30 in all, some very close to us. We also saw Water Pipit, Chough, and had fine views of Rock Bunting.

We were unable to follow the path up to the pass because of the snow, so instead we headed for the ridge above us. The views from the top were stunning and we enjoyed seeing a male Ring Ouzel in full song close-to, as well as the Dwarf Mountain Pine (*Pinus mugo*). We also discovered – by sitting on it – the spiny Mountain Tragacanth (*Astragalus sempervirens*)! We returned by the same route, seeing on the way down a fine Green Lizard basking on a rock. We all felt hot and tired as we reached the vehicles, but pleased to have explored a new habitat.

## Day 7

Tuesday 27th May

Weather: hot & sunny; quite windy

Today we opted for a gentler day and there was another opportunity to visit Pescasseroli while Jessica and Dave shopped for lunch. We then decided to revisit Camosciara to see whether the Lady's Slipper Orchid had emerged into flower. As we did not want to spend the whole day there we took the train up the valley, the driver kindly stopping at the bridge near the plants to let us off.

The flowers were magnificent, and we spent time taking photos, noting that the Gentians there were over, but that Bird's-nest Orchids had appeared. We walked back down, enjoying the variety of wildlife on the way. Tony, walking along the river bank, discovered a new site for Lady's Slipper Orchid, again in full flower, and several non-flowering plants nearby.

After a rather windswept but still enjoyable picnic, we drove to the more exposed slopes of Mt Godi where the road to Scanno reaches its highest point. Wandering up the track we found Chamois Ragwort (*Senecio doronicum*), both magenta and yellow Elder-flowered Orchids (*Dactylorhiza sambucina*) and Wild Gooseberry (*Ribes uva-crispa*). It was rather windy for many birds, and we soon headed for Scanno, a pretty old town where the older women still wear traditional dress. We were able to explore the winding streets and finish the afternoon with a local ice-cream before returning to base to pack and enjoy a final excellent dinner.

## Day 8

Wednesday 28th May

Weather: fine & hot

Those of us returning to the UK had an early start and the first group, which left at 5.30am for an early flight, had a fabulous sighting – a Bear very close-by, at about 50 metres, climbing away from the road. Of course all the cameras and binoculars were safely packed in the boot!

We manoeuvred our way to the airport through the morning traffic on the Rome ring road, reaching departures in reasonable time. Having returned the vehicles we met up for a smooth flight to Gatwick where we said our farewells, our heads full of images of Abruzzo, especially the Bears.

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## Species Lists

### Plants

| <b>Scientific name</b>           | <b>English name</b>             | <b>Location seen (main or best site)</b> |
|----------------------------------|---------------------------------|------------------------------------------|
| <b>PTEROPSIDA</b>                | <b>FERNS</b>                    |                                          |
| <b>Adiantaceae</b>               | <b>Spleenwort family</b>        |                                          |
| <i>Asplenium ruta-muraria</i>    | Wall Rue                        | Castel Mancino                           |
| <i>Asplenium trichomanes</i>     | Maidenhair Spleenwort           | Castel Mancino                           |
| <i>Ceterarch officinarum</i>     | Rustyback                       | Widespread on rocks                      |
| <b>Dryopteridaceae</b>           | <b>Male Fern family</b>         |                                          |
| <i>Dryopteris filix-mas</i>      | Male Fern                       | Prato Rosso woods                        |
| <i>Polystichum lonchitis</i>     | Holly Fern                      | Crevices, alpine meadow, Valle di Rose   |
| <b>Woodsiaceae</b>               | <b>Lady Fern family</b>         |                                          |
| <i>Cystopteris fragilis</i>      | Brittle Bladder Fern            | Prato Rosso                              |
| <b>PINOPSIDA (Gymnosperms)</b>   | <b>CONIFERS</b>                 |                                          |
| <b>Cupressaceae</b>              | <b>Juniper family</b>           |                                          |
| <i>Juniperus communis</i>        | Juniper                         | Widespread                               |
| <i>Juniperus communis alpina</i> | Prostrate Juniper               | Valle di Rose                            |
| <b>Pinaceae</b>                  | <b>Pine family</b>              |                                          |
| <i>Pinus mugo</i>                | Mountain Pine                   | Alpine meadows Valle di Rose             |
| <i>Pinus nigra</i>               | Black Pine (an endemic variety) | Camosciara and above Barrea              |
| <b>FLOWERING PLANTS</b>          |                                 |                                          |
| <b>Aceraceae</b>                 | <b>Maple family</b>             |                                          |
| <i>Acer campestre</i>            | Field Maple                     | Widespread                               |
| <i>Acer monspessulanum</i>       | Montpellier Maple               | Castel Mancino woods                     |
| <i>Acer opalus</i>               | Italian Maple                   | Castel Mancino woods                     |
| <i>Acer pseudoplatanus</i>       | Sycamore                        | Castel Mancino woods                     |
| <b>Apiaceae (Umbelliferae)</b>   | <b>Carrot Family</b>            |                                          |
| <i>Angelica sylvestris</i>       | Wild Angelica (leaves only)     | Camosciara                               |
| <i>Conium maculatum</i>          | Hemlock (leaves only)           | Camosciara                               |
| <i>Daucus carota</i>             | Wild Carrot                     | Valle Fondillo                           |
| <i>Eryngium sp</i>               | an Eryngo (leaves only)         | Valle Fondillo                           |



| <b>Scientific name</b>                 | <b>English name</b>                 | <b>Location seen (main or best site)</b> |
|----------------------------------------|-------------------------------------|------------------------------------------|
| <i>Laserpitium latifolium</i>          | Broad-leaved Sermountain (lvs only) | Prato Rosso                              |
| <i>Pimpinella saxifraga</i>            | Burnet Saxifrage                    | Valle Fondillo                           |
| <i>Sanicula europaea</i>               | Sanicle                             | Prato Rosso woods                        |
| <i>Seseli montanum</i>                 | Seseli                              | Alpine meadows, Valle di Rose            |
| <b>Aquifoliaceae</b>                   | <b>Holly Family</b>                 |                                          |
| <i>Ilex aquifolium</i>                 | Holly                               | Near Civitella Alfedena                  |
| <b>Araliaceae</b>                      | <b>Ivy Family</b>                   |                                          |
| <i>Hedera helix</i>                    | Ivy                                 | Castel Mancino woods                     |
| <b>Asteraceae (Compositae)</b>         | <b>Daisy family</b>                 |                                          |
| <i>Adenostyles glabra</i>              | Adenostyles                         | Leaves only, Valle Fondillo              |
| <i>Bellis perennis</i>                 | Common Daisy                        | Widespread                               |
| <i>Bellis sylvestris</i>               | Southern Daisy                      | Valle Fondillo woods                     |
| <i>Carlina acaulis</i>                 | Stemless Carlina Thistle            | Camosciara                               |
| <i>Carlina vulgaris</i>                | Carlina Thistle                     | Camosciara                               |
| <i>Cirsium eriophorum</i>              | Woolly thistle (leaves only)        | Camosciara                               |
| <i>Crepis sp</i>                       | Hawksbeard                          | Valle Fondillo                           |
| <i>Doronicum columnae</i>              | Heart-leaved Leopardsbane           | Prato Rosso woods                        |
| <i>Eupatorium cannabinum</i>           | Hemp Agrimony (leaves only)         | Prato Rosso track                        |
| <i>Hieracium pilosella</i>             | Mouse-ear Hawkweed                  | Camosciara                               |
| <i>Leucanthemum vulgare</i>            | Ox-eye Daisy                        | Barrea                                   |
| <i>Onopordum acanthium</i>             | Cotton thistle (leaves only)        | Barrea                                   |
| <i>Petasites hybridus</i>              | Butterbur                           | Prato Rosso                              |
| <i>Pulicaria dysenterica</i>           | Fleabane (leaves only)              | Valle Fondillo, damp area                |
| <i>Senecio doronicum ssp gerardii</i>  |                                     | Slopes of M Godi, en route to Scanno     |
| <i>Senecio doronicum ssp doronicum</i> | Chamois Ragwort                     | Slopes of M Godi, en route to Scanno     |
| <i>Solidago virgaurea</i>              | Goldenrod                           |                                          |
| <b>Betulaceae (Corylaceae)</b>         | <b>Birch family</b>                 |                                          |
| <i>Carpinus betulus</i>                | Hornbeam                            | Prato Rosso                              |
| <i>Corylus avellana</i>                | Hazel                               | Camosciara                               |
| <i>Ostrya carpinifolia</i>             | Hop Hornbeam                        | Prato Rosso valley                       |
| <b>Boraginaceae</b>                    | <b>Borage family</b>                |                                          |
| <i>Cynoglossum magellense</i>          | An endemic Hound's Tongue           | Valle Fondillo                           |
| <i>Cynoglossis barrellieri</i>         | a blue 'anchusa'                    | Camosciara                               |
| <i>Myosotis sylvatica</i>              | Wood Forget-me-not                  | Prato Rosso woods                        |
| <i>Myosotis alpestris</i>              | Alpine Wood Forget-me-not           | Alpine meadows Valle di Rose             |

| <b>Scientific name</b>           | <b>English name</b>           | <b>Location seen (main or best site)</b> |
|----------------------------------|-------------------------------|------------------------------------------|
| <i>Solenanthus apenninus</i>     | Solenanthus                   | Prato Rosso woods                        |
| <b>Brassicaceae (Cruciferae)</b> | <b>Cabbage family</b>         |                                          |
| <i>Aethionema saxatile</i>       | Aethionema                    | Castel Mancino                           |
| <i>Alliaria petiolata</i>        | Garlic Mustard                | Prato Rosso                              |
| <i>Alyssoides utriculata</i>     | Alyssoides                    | Prato Rosso cliff                        |
| <i>Arabis alpina</i>             | Alpine Rockcress              | Alpine meadows Valle di Rose             |
| <i>Arabis hirsuta</i>            | Hairy Rockcress               | Alpine meadows Valle di Rose             |
| <i>Biscutella laevigata</i>      | Buckler Mustard               | Castel Mancino                           |
| <i>Capsella bursa-pastoris</i>   | Shepherd's Purse              | Prato Rosso                              |
| <i>Cardamine bulbifera</i>       | Coralroot                     | Prato Rosso woods                        |
| <i>Cardamine chelidonia</i>      | a purple-flowered bittercress | Prato Rosso woods                        |
| <i>Cardamine enneaphyllos</i>    | Drooping Bittercress          | Prato Rosso woods                        |
| <i>Draba aizoides</i>            | Yellow Whitlow-grass          | Rocks, alpine meadows Valle di Rose      |
| <i>Erysimum pseudorhaeticum</i>  | an endemic Treacle Mustard    | Hotel Paradiso                           |
| <i>Isatis tinctoria</i>          | Woad                          | Prato Rosso                              |
| <i>Nasturtium officinale</i>     | Watercress                    | Valle Fondillo damp area                 |
| <i>Turritis glabra</i>           | a Towercress                  | Valle Fondillo                           |
| <b>Caprifoliaceae</b>            | <b>Honeysuckle family</b>     |                                          |
| <i>Sambucus nigra</i>            | Elder                         | Castel Mancino                           |
| <i>Sambucus ebulis</i>           | Danewort                      | Valle Fondillo                           |
| <i>Lonicera caprifolium</i>      | Perfoliate Honeysuckle        | Valle Fondillo                           |
| <i>Lonicera xylosteum</i>        | Fly Honeysuckle               | Valle Fondillo                           |
| <i>Viburnum lantana</i>          | Wayfaring Tree                | Camosciara                               |
| <b>Caryophyllaceae</b>           | <b>Pink family</b>            |                                          |
| <i>Cerastium fontanum</i>        | Common Mouse-ear              | Prato Rosso woods                        |
| <i>Cerastium tomentosum</i>      | Snow-in-Summer                | Widespread                               |
| <i>Lychnis flos-cuculi</i>       | Ragged Robin                  | Camosciara                               |
| <i>Silene italica</i>            | Italian Catchfly              | Castel Mancino woods                     |
| <i>Silene dioica</i>             | Red Campion                   | Above hotel                              |
| <i>Silene latifolia</i>          | White Campion                 | Widespread                               |
| <i>Silene vulgaris</i>           | Bladder Campion               | Camosciara                               |
| <i>Stellaria nemorum</i>         | Wood Stitchwort               | Prato Rosso woods                        |
| <b>Cistaceae</b>                 | <b>Rockrose family</b>        |                                          |
| <i>Helianthemum nummularium</i>  | Rockrose                      | Prato Rosso open slope                   |
| <i>Helianthemum oelandicum</i>   | Hoary Rockrose (H canum)      | Valle Fondillo                           |

| <b>Scientific name</b>         | <b>English name</b>   | <b>Location seen (main or best site)</b> |
|--------------------------------|-----------------------|------------------------------------------|
| <b>Cornaceae</b>               |                       |                                          |
| <b>Dogwood family</b>          |                       |                                          |
| <i>Cornus mas</i>              | Cornelian Cherry      | Valle Fondillo                           |
| <i>Cornus sanguinea</i>        | Dogwood               | Camosciara                               |
| <b>Crassulaceae</b>            |                       |                                          |
| <b>Stonecrop family</b>        |                       |                                          |
| <i>Sedum acre</i>              | Biting Stonecrop      | Castel Mancino                           |
| <i>Sedum album</i>             | White Stonecrop       | Opi                                      |
| <i>Sedum dasphyllum</i>        | Flat-leaved Stonecrop | Opi                                      |
| <i>Sedum rupestre</i>          | Rock Stonecrop        | Castel Mancino                           |
| <i>Sedum sexangulare</i>       |                       | Castel Mancino                           |
| <b>Dipsacaceae</b>             |                       |                                          |
| <b>Teasel family</b>           |                       |                                          |
| <i>Dipsacus fullonum</i>       | Wild Teasel           | Prato Rosso                              |
| <b>Euphorbiaceae</b>           |                       |                                          |
| <b>Spurge family</b>           |                       |                                          |
| <i>Euphorbia amygdaloides</i>  | Wood Spurge           | Prato Rosso woods                        |
| <i>Euphorbia cyparissias</i>   | Cypress Spurge        | Widespread                               |
| <i>Euphorbia helioscopia</i>   | Sun Spurge            | Prato Rosso                              |
| <i>Euphorbia myrsinites</i>    | Glaucous Spurge       | Castel Mancino                           |
| <i>Euphorbia platyphyllos</i>  | Broad-leaved Spurge   | Prato Rosso                              |
| <i>Euphorbia verrucosa</i>     |                       | Slopes of Mt Godi, en route to Scanno    |
| <i>Mercurialis perennis</i>    | Dog's Mercury         | Prato Rosso woods                        |
| <b>Fabaceae (Leguminosae)</b>  |                       |                                          |
| <b>Pea family</b>              |                       |                                          |
| <i>Anthyllis vulneraria</i>    | Kidney Vetch          | Camosciara                               |
| <i>Astragalus sempervirens</i> | Mountain Tragacanth   | Alpine meadow, Valle di Rose             |
| <i>Chamaecytisus hirsutus</i>  | Hairy Broom           | Valle Fondillo                           |
| <i>Coronilla scorpiodes</i>    | Annual Scorpion Vetch | Valle Fondillo                           |
| <i>Cytisus sessilifolius</i>   | Sessile Broom         | Camosciara                               |
| <i>Hippocrepis comosa</i>      | Horseshoe Vetch       | Camosciara                               |
| <i>Laburnum anagyroides</i>    | Laburnum              | Camosciara                               |
| <i>Lathyrus vernus</i>         | Spring Vetchling      | Camosciara                               |
| <i>Lathyrus aphaca</i>         | Yellow Vetchling      | Camosciara                               |
| <i>Lathyrus setifolius</i>     | Brown Vetch           | Valle Fondillo                           |
| <i>Lotus corniculatus</i>      | Bird's-foot-trefoil   | Widespread                               |
| <i>Medicago lupulina</i>       | Black Medick          | Valle Fondillo                           |
| <i>Spartium junceum</i>        | Spanish Broom         | Pescasseroli                             |
| <i>Trifolium campestre</i>     | Hop Trefoil           | Valle Fondillo                           |
| <i>Trifolium pratense</i>      | Red Clover            | Valle Fondillo                           |
| <i>Trifolium repens</i>        | White Clover          | Pescasseroli                             |

| <b>Scientific name</b>        | <b>English name</b>                  | <b>Location seen (main or best site)</b> |
|-------------------------------|--------------------------------------|------------------------------------------|
| <i>Vicia sativa</i>           | Common Vetch                         | Prato Rosso                              |
| <i>Vicia sepium</i>           | Bush Vetch                           | Prato Rosso                              |
| <b>Fagaceae</b>               | <b>Beech family</b>                  |                                          |
| <i>Fagus sylvatica</i>        | Beech                                | Widespread                               |
| <i>Quercus pubescens</i>      | Downy Oak                            | above Civitella Alfedena                 |
| <b>Gentianaceae</b>           | <b>Gentian family</b>                |                                          |
| <i>Gentiana dinarica</i>      | a Trumpet Gentian (local speciality) | Valle Fondillo                           |
| <i>Gentiana lutea</i>         | Giant Yellow Gentian                 | Alpine meadows Valle di Rose, leaves     |
| <i>Gentiana verna</i>         | Spring Gentian                       | Alpine meadows Valle di Rose             |
| <b>Geraniaceae</b>            | <b>Geranium family</b>               |                                          |
| <i>Erodium cicutarium</i>     | Common Stork's-bill                  | Pescasseroli                             |
| <i>Geranium dissectum</i>     | Cut-leaved Crane's-bill              | Camosciara                               |
| <i>Geranium lucidum</i>       | Shining Crane's-bill                 | Camosciara                               |
| <i>Geranium pyrenaicum</i>    | Pyrenean Crane's-bill                | Widespread                               |
| <i>Geranium reflexum</i>      | Reflexed Crane's-bill                | Prato Rosso                              |
| <i>Geranium robertianum</i>   | Herb Robert                          | Widespread                               |
| <i>Geranium sp.</i>           |                                      | Rocks, alpine meadow, Valle di Rose      |
| <b>Globulariaceae</b>         | <b>Globularia family</b>             |                                          |
| <i>Globularia punctata</i>    | Common Globularia                    | Valle Fondillo                           |
| <b>Grossulariaceae</b>        |                                      |                                          |
| <i>Ribes uva-crispa</i>       | Wild Gooseberry                      | Slopes of Mt Godi, en route to Scanno    |
| <b>Lamiaceae (Labiatae)</b>   | <b>Nettle family</b>                 |                                          |
| <i>Acinos arvensis</i>        | Basil-thyme                          | Prato Rosso meadows                      |
| <i>Ajuga reptans</i>          | Bugle                                | Widespread                               |
| <i>Lamiastrum galeobdolon</i> | Yellow Archangel                     | Prato Rosso woods                        |
| <i>Lamium album</i>           | White Deadnettle                     | Widespread                               |
| <i>Lamium amplexicaule</i>    | Henbit Deadnettle                    | Castel Mancino                           |
| <i>Lamium garganicum</i>      | Large Red Deadnettle                 | Widespread                               |
| <i>Origanum vulgare</i>       | Oregano                              | Camosciara                               |
| <i>Prunella vulgaris</i>      | Selfheal                             | Prato Rosso                              |
| <i>Salvia verbenaca</i>       | Wild Clary                           | Valle Fondillo                           |
| <i>Thymus serpyllum</i>       | Wild Thyme                           | Prato Rosso meadows                      |
| <b>Linaceae</b>               | <b>Flax family</b>                   |                                          |

| <b>Scientific name</b>        | <b>English name</b>     | <b>Location seen (main or best site)</b> |
|-------------------------------|-------------------------|------------------------------------------|
| <i>Linum catharticum</i>      | Fairy (purging) Flax    | Camosciara                               |
| <b>Oleaceae</b>               | <b>Olive family</b>     |                                          |
| <i>Fraxinus excelsior</i>     | Ash                     | Prato Rosso                              |
| <i>Fraxinus ornus</i>         | Flowering Ash           | Camosciara                               |
| <b>Papaveraceae</b>           | <b>Poppy family</b>     |                                          |
| <i>Chelidonium majus</i>      | Greater Celandine       | Castel Mancino                           |
| <i>Papaver rhoeas</i>         | Common Poppy            | Pescasseroli                             |
| <b>Plantaginaceae</b>         | <b>Plantain family</b>  |                                          |
| <i>Plantago lanceolata</i>    | Ribwort Plantain        | Pescasseroli                             |
| <i>Plantago major</i>         | Greater Plantain        | Pescasseroli                             |
| <i>Plantago media</i>         | Hoary Plantain          | Widespread                               |
| <b>Plumbaginaceae</b>         | <b>Thrift family</b>    |                                          |
| <i>Armeria canescens</i>      | Plantain-leaved Thrift  | Valle Fondillo                           |
| <b>Polygalaceae</b>           | <b>Milkwort family</b>  |                                          |
| <i>Polygala chamaebuxus</i>   | Shrubby Milkwort        | Valle Fondillo                           |
| <i>Polygala nicaeensis</i>    | Nice Milkwort           | Widespread                               |
| <i>Polygala serpyllifolia</i> | Thyme-leaved Milkwort   | Valle Fondillo                           |
| <b>Polygonaceae</b>           | <b>Dock family</b>      |                                          |
| <i>Rumex alpestris</i>        | Mountain Dock           | Alpine meadow Valle di Rose              |
| <i>Rumex scutatus</i>         | French Sorrel           | Camosciara                               |
| <b>Primulaceae</b>            | <b>Primrose family</b>  |                                          |
| <i>Primula vulgaris</i>       | Primrose                | Camosciara                               |
| <i>Primula auricula</i>       | Bear's-ear              | Camosciara                               |
| <i>Soldanella alpina</i>      | Alpine Snowbell         | Alpine meadow Valle di Rose              |
| <b>Ranunculaceae</b>          | <b>Buttercup family</b> |                                          |
| <i>Anemone nemorum</i>        | Wood Anemone            | Valle Fondillo leaves only               |
| <i>Anemone ranunculoides</i>  | Yellow Anemone          | Valle Fondillo leaves only               |
| <i>Aquilegia vulgaris</i>     | Columbine               | Camosciara                               |
| <i>Delphinium fissum</i>      | a delphinium            | Prato Rosso woods, leaves only           |
| <i>Helleborus foetidus</i>    | Stinking Hellebore      | Prato Rosso woods                        |
| <i>Hepatica nobilis</i>       | Hepatica                | Camosciara, leaves only                  |
| <i>Pulsatilla alpina</i>      | Alpine Pasque Flower    | Alpine meadow Valle di Rose              |
| <i>Ranunculus bulbosus</i>    | Bulbous Buttercup       | Camosciara                               |

| <b>Scientific name</b>           | <b>English name</b>      | <b>Location seen (main or best site)</b> |
|----------------------------------|--------------------------|------------------------------------------|
| <i>Ranunculus ficaria</i>        | Lesser Celandine         | Prato Rosso                              |
| <i>Ranunculus millefoliatus</i>  |                          | Camosciara                               |
| <i>Ranunculus monspeliacus</i>   |                          | Valle Fondillo                           |
| <i>Ranunculus repens</i>         | Creeping Buttercup       | Prato Rosso                              |
| <i>Ranunculus thora</i>          | Thore's Buttercup        | Camosciara                               |
| <i>Thalictrum aquilegifolium</i> | Great Meadow-rue         | Camosciara                               |
| <b>Resedaceae</b>                | <b>Mignonette family</b> |                                          |
| <i>Reseda lutea</i>              | Wild Mignonette          | Castel Mancino                           |
| <b>Rhamnaceae</b>                | <b>Buckthorn family</b>  |                                          |
| <i>Rhamnus cathartica</i>        | Purging Buckthorn        | Valle Fondillo                           |
| <b>Rosaceae</b>                  | <b>Rose family</b>       |                                          |
| <i>Aremonia agrimonoides</i>     | (yellow Geum-like plant) | Valle Fondillo woods                     |
| <i>Cotoneaster integerrimus</i>  | a Cotoneaster            | Barrea                                   |
| <i>Crataegus monogyna</i>        | Hawthorn                 | Widespread                               |
| <i>Fragaria vesca</i>            | Wild Strawberry          | Prato Rosso                              |
| <i>Geum urbanum</i>              | Wood Avens               | Prato Rosso                              |
| <i>Malus sylvestris</i>          | Crab Apple               | Prato Rosso                              |
| <i>Potentilla crantzii</i>       | Alpine Potentilla        | Alpine meadow Valle di Rose              |
| <i>Potentilla recta</i>          | Sulphur Cinquefoil       | Valle Fondillo                           |
| <i>Potentilla reptans</i>        | Creeping cinquefoil      | Prato Rosso                              |
| <i>Prunus spinosa</i>            | Blackthorn               | Barrea                                   |
| <i>Pyrus pyraster</i>            | Wild Pear                | Valle Fondillo                           |
| <i>Rosa canina</i>               | Dog Rose                 | Camosciara                               |
| <i>Rubus fruticosus agg</i>      | Bramble                  | Widespread                               |
| <i>Rubus idaeus</i>              | Raspberry                | above Civitella Alfedena                 |
| <i>Sanguisorba minor</i>         | Salad Burnet             | Widespread                               |
| <i>Sorbus aria</i>               | Whitebeam                | above Civitella Alfedena                 |
| <i>Sorbus aucuparia</i>          | Rowan                    | above Civitella Alfedena                 |
| <b>Rubiaceae</b>                 | <b>Bedstraw family</b>   |                                          |
| <i>Asperula cynanchica</i>       | Squinancywort            | Valle Fondillo                           |
| <i>Cruciata laevipes</i>         | Crosswort                | Widespread                               |
| <i>Galium aparine</i>            | Cleavers                 | Prato Rosso                              |
| <i>Galium odoratum</i>           | Woodruff                 | Prato Rosso woods                        |
| <i>Sheradia arvensis</i>         | Field Madder             | Valle Fondillo                           |
| <b>Salicaceae</b>                | <b>Willow family</b>     |                                          |

| <b>Scientific name</b>         | <b>English name</b>          | <b>Location seen (main or best site)</b> |
|--------------------------------|------------------------------|------------------------------------------|
| <i>Populus nigra</i>           | Black Poplar                 | Prato Rosso lower valley                 |
| <i>Populus tremula</i>         | Aspen                        | Valle Fondillo, damp area                |
| <i>Salix alba</i>              | White Willow                 | Prato Rosso lower valley                 |
| <i>Salix caprea</i>            | Grey Willow                  | Prato Rosso lower valley                 |
| <b>Santalaceae</b>             | <b>Sandalwood family</b>     |                                          |
| <i>Thesium linophyllum</i>     | Flax-leaved Bastard Toadflax | Valle Fondillo                           |
| <b>Saxifragaceae</b>           | <b>Saxifrage family</b>      |                                          |
| <i>Saxifraga bulbifera</i>     | Bulbous Saxifrage            | Camosciara                               |
| <i>Saxifraga callosa</i>       | Thick-leaved Saxifrage       | Barrea gorge cliff face                  |
| <i>Saxifraga caesia</i>        | Blue Saxifrage               | Barrea gorge cliff face                  |
| <i>Saxifraga granulata</i>     | Meadow Saxifrage             | Valle Fondillo                           |
| <i>Saxifraga porophylla</i>    | Reddish Saxifrage            | Valle Fondillo boulder                   |
| <i>Saxifraga rotundifolia</i>  | Round-leaved Saxifrage       | Prato Rosso                              |
| <i>Saxifraga tridactylites</i> | Rue-leaved Saxifrage         | Widespread                               |
| <b>Scrophulariaceae</b>        | <b>Figwort family</b>        |                                          |
| <i>Cymbalaria muralis</i>      | Ivy-leaved Toadflax          | Widespread                               |
| <i>Euphrasia</i> agg.          | Eyebrights                   | Valle Fondillo                           |
| <i>Parentucella latifolia</i>  | Southern Red Bartsia         | Valle Fondillo                           |
| <i>Rhinanthus minor</i>        | Yellow Rattle                | Valle Fondillo                           |
| <i>Rhinanthus wettsteinii</i>  | Apennine Rattle              | Camosciara                               |
| <i>Scrophularia canina</i>     | Dog Figwort                  | Valle Fondillo                           |
| <i>Scrophularia vernalis</i>   | Yellow Figwort               | Valle Fondillo                           |
| <i>Verbascum cf thapsus</i>    | Mullein, not yet in flower   | By hotel                                 |
| <i>Veronica beccabunga</i>     | Brooklime                    | Marshy area, Valle Fondillo              |
| <i>Veronica chamaedrys</i>     | Germander Speedwell          | Camosciara                               |
| <i>Veronica montana</i>        | Wood Speedwell               | Prato Rosso woods                        |
| <i>Veronica officinalis</i>    | Heath Speedwell              | Valle Fondillo                           |
| <i>Veronica orsiniana</i>      |                              | Meadows, Valle di Rose                   |
| <i>Veronica serpyllifolia</i>  | Thyme-leaved Speedwell       | Valle Fondillo                           |
| <b>Thymelaceae</b>             | <b>Daphne family</b>         |                                          |
| <i>Daphne laureola</i>         | Spurge Laurel                | Prato Rosso woods                        |
| <i>Daphne mezereum</i>         | Mezereon                     | Alpine meadows, Valle di Rose            |
| <i>Daphne oleoides</i>         |                              | Alpine meadows, Valle di Rose            |
| <b>Tiliaceae</b>               |                              |                                          |
| <i>Tilia platyphyllos</i>      | Large-leaved Lime            | Goia Vecchia Church                      |



| <b>Scientific name</b>           | <b>English name</b>                    | <b>Location seen (main or best site)</b> |
|----------------------------------|----------------------------------------|------------------------------------------|
| <b>Urticaceae</b>                |                                        |                                          |
| <i>Parietaria judaica</i>        | Nettle family<br>Pellitory-of-the-Wall | Opi                                      |
| <i>Urtica dioica</i>             | Nettle                                 | Widespread                               |
| <b>Valerianaceae</b>             |                                        |                                          |
| <i>Valeriana officinalis</i>     | Valerian family<br>Common Valerian     | Valle Fondillo                           |
| <i>Valeriana tuberosa</i>        |                                        | Camosciara                               |
| <i>Valerianella locusta</i>      | Common Cornsalad                       | Camosciara                               |
| <b>Violaceae</b>                 |                                        |                                          |
| <i>Viola eugeniae</i>            | Violet family<br>an endemic pansy      | Prato Rosso                              |
| <i>Viola lutea</i>               | Mountain Pansy                         |                                          |
| <i>Viola reichenbachiana</i>     | Early Dog Violet                       | Valle Fondillo                           |
| <i>Viola riviniana</i>           | Common Dog Violet                      | Valle Fondillo                           |
| <b>Viscaceae</b>                 |                                        |                                          |
| <i>Viscum album</i>              | Mistletoe family<br>Mistletoe          | Vale Fondillo                            |
| <b>MONOCOTYLEDONS</b>            |                                        |                                          |
| <b>Araceae</b>                   |                                        |                                          |
| <i>Arum italicum neglectum</i>   | Arum family<br>Large Cuckoo Pint       | Barrea                                   |
| <i>Arum maculatum</i>            | Cuckoo Pint                            | Prato Rosso woods                        |
| <b>Iridaceae</b>                 |                                        |                                          |
| <i>Crocus vernus</i>             | Spring Crocus                          | Alpine meadows, Valle di Rose            |
| <b>Liliaceae</b>                 |                                        |                                          |
| <i>Allium saxatile</i>           | Lily family                            | Camosciara, leaves only                  |
| <i>Asphodeline albus</i>         | White Asphodel                         | Prato Rosso, leaves only                 |
| <i>Colchicum autumnale</i>       | Autumn Crocus                          | Camosciara, leaves only                  |
| <i>Gagea fistulosa</i>           | A Yellow Star of Bethlehem             | Alpine meadows, Valle di Rose            |
| <i>Lilium croceum bulbiferum</i> | Orange Lily                            | Camosciara, leaves only                  |
| <i>Lilium martagon</i>           | Martagon Lily                          | Camosciara, leaves only                  |
| <i>Muscari comosa</i>            | Tassel Hyacinth                        | Valle Fondillo                           |
| <i>Muscari neglecta</i>          | Dark Grape Hyacinth                    | Valle Fondillo                           |
| <i>Ornithogalum umbellatum</i>   | Star of Bethlehem                      | Camosciara                               |
| <i>Paris quadrifolia</i>         | Herb Paris                             | Camosciara                               |

| <b>Scientific name</b>                  | <b>English name</b>                    | <b>Location seen (main or best site)</b> |
|-----------------------------------------|----------------------------------------|------------------------------------------|
| <i>Polygonatum multiflorum</i>          | Solomon's Seal                         | Prato Rosso woods                        |
| <i>Scilla bifolia</i>                   | Alpine Squill                          | Alpine meadows, Valle di Rose            |
| <i>Veratrum album</i>                   | White False Helleborine, leaves only   | Camosciara                               |
| <b>Orchidaceae</b>                      | <b>Orchid family</b>                   |                                          |
| <i>Cephalanthera damasonium</i>         | White Helleborine                      | Valle di Rose woods                      |
| <i>Cephalanthera longifolia</i>         | Sword-leaved Helleborine               | Camosciara                               |
| <i>Cypripedium calceolus</i>            | Lady's Slipper Orchid                  | Camosciara                               |
| <i>Dactylorhiza fuchsii</i>             | Common Spotted Orchid                  | Valle Fondillo                           |
| <i>Dactylorhiza incarnata</i>           | Early Marsh Orchid                     | Valle Fondillo                           |
| <i>Dactylorhiza sambucina (yellow)</i>  | Elderflowered Orchid                   | Slopes of M Godi, en route to Scanno     |
| <i>Dactylorhiza sambucina (magenta)</i> | Elderflowered Orchid                   | Slopes of M Godi, en route to Scanno     |
| <i>Gymnadenia conopsea</i>              | Fragrant Orchid                        | Prato Rosso                              |
| <i>Himantoglossum adriaticum</i>        | Adriatic Lizard Orchid                 | Castel Mancino                           |
| <i>Neottia (Listera) ovata</i>          | Twayblade                              | Camosciara                               |
| <i>Neottia nidus-avis</i>               | Bird's Nest Orchid                     | Valle di Rose woods                      |
| <i>Ophrys sphegodes</i>                 | Early Spider Orchid                    | Castel Mancino                           |
| <i>Orchis (Aceras) anthropophorum</i>   | Man Orchid                             | Castel Mancino                           |
| <i>Orchis mascula</i>                   | Early Purple Orchid                    | Prato Rosso                              |
| <i>Orchis militaris</i>                 | Military Orchid                        | Valle Fondillo                           |
| <i>Orchis morio</i>                     | Green-winged Orchid                    | Valle Fondillo                           |
| <i>Orchis ovalis</i>                    | Closely related to Early Purple Orchid | Camosciara                               |
| <i>Orchis pauciflora</i>                | Few-flowered Orchid                    | Prato Rosso                              |
| <i>Orchis purpurea</i>                  | Lady Orchid                            | Camosciara                               |
| <i>Orchis tridentata</i>                | Toothed Orchid                         | Prato Rosso                              |
| <i>Orchis ustulata</i>                  | Burnt-tipped Orchid                    | Barrea                                   |
| <i>Orchis mascula x pauciflora</i>      | Hybrid                                 | Prato Rosso                              |
| <i>Orchis ustulata x tridentata</i>     | Hybrid                                 | Roadside Bear meadow                     |
| <b>Poaceae</b>                          | <b>Grass family</b>                    |                                          |
| <i>Briza media</i>                      | Quaking Grass                          | Prato Rosso                              |
| <i>Melica uniflora</i>                  | Wood Melick                            | Prato Rosso woods                        |

## Birds

(Key: F = Few, M = Many, H = Heard only, L = Leader only)

|    | Common name                | Scientific name                | May |     |      |       |      |      |       |    |
|----|----------------------------|--------------------------------|-----|-----|------|-------|------|------|-------|----|
|    |                            |                                | 21  | 22  | 23   | 24    | 25   | 26   | 27    | 28 |
| 1  | Great Crested Grebe        | <i>Podiceps cristatus</i>      |     |     |      | 3     |      |      |       |    |
| 2  | Mallard                    | <i>Anas platyrhynchos</i>      |     |     |      |       | 3L   |      |       |    |
| 3  | Golden Eagle               | <i>Aquila chrysaetos</i>       |     | 3   | 2    | 1     |      |      |       |    |
| 4  | Black Kite                 | <i>Milvus migrans</i>          |     | 1   |      |       |      |      |       |    |
| 5  | Common Buzzard             | <i>Buteo buteo</i>             | 1   | 4   | 5    | 2     | 2    | 3    |       | 1  |
| 6  | Honey Buzzard              | <i>Pernis apivorus</i>         |     | 15  | 1    | 1     |      |      |       |    |
| 7  | Goshawk                    | <i>Accipiter gentilis</i>      |     |     |      |       |      | 1    |       |    |
| 8  | Common Kestrel             | <i>Falco tinnunculus</i>       | 2   | 1   |      | 3     |      |      |       |    |
| 9  | Peregrine Falcon           | <i>Falco peregrinus</i>        |     |     |      |       |      |      | 1     |    |
| 10 | Yellow-legged Herring Gull | <i>Larus cachinnans</i>        | 1L  |     |      |       |      |      |       | 10 |
| 11 | Rock Dove/Feral Pigeon     | <i>Columba livia</i>           | F   | F   | F    | F     | F    |      | 1     | 6  |
| 12 | Wood Pigeon                | <i>Columba palumbus</i>        |     | F   | F    | F     | 1H   |      | F     |    |
| 13 | Eurasian Collared Dove     | <i>Streptopelia decaocto</i>   |     |     |      |       |      |      |       | 3  |
| 14 | Turtle Dove                | <i>Streptopelia turtur</i>     |     |     |      |       |      |      |       | 3  |
| 15 | Cuckoo                     | <i>Cuculus canorus</i>         |     | 3H  | 3H   | 1/3H  | 1/4H | 2H   | 1H    | 1H |
| 16 | Scops Owl                  | <i>Otus scops</i>              |     |     |      |       |      |      |       | 1H |
| 17 | European Swift             | <i>Apus apus</i>               | F   |     | 1    | F     | F    | F    | F     | F  |
| 18 | Hoopoe                     | <i>Upupa epops</i>             |     |     | 1H   | 2/4H  | H    |      |       | 1  |
| 19 | European Bee-eater         | <i>Merops apiaster</i>         |     |     |      |       | HL   |      |       |    |
| 20 | Green Woodpecker           | <i>Picus viridis</i>           |     | H   | H    |       | H    | H    | H     |    |
| 21 | Great Spotted Woodpecker   | <i>Dendrocopos major</i>       |     |     |      | H     | H    | H    |       | 1  |
| 22 | Lesser Spotted Woodpecker  | <i>Dendrocopos minor</i>       |     |     |      |       | 1    |      |       |    |
| 23 | Wryneck                    | <i>Jynx torquilla</i>          |     | 1   | 1/1H | 1L/1H |      | H    | 1L/1H |    |
| 24 | Woodlark                   | <i>Lullula arborea</i>         |     |     |      |       |      |      | 1H    |    |
| 25 | Barn Swallow               | <i>Hirundo rustica</i>         | F   | F   | F    | F     | F    | F    | F     | F  |
| 26 | House Martin               | <i>Delichon urbica</i>         |     | 3   | F    | F     | F    |      | F     | 2  |
| 27 | Water Pipit                | <i>Anthus spinoletta</i>       |     |     |      |       |      | 1L/H |       |    |
| 28 | Meadow Pipit               | <i>Anthus pratensis</i>        |     |     |      |       | 1/1H |      |       |    |
| 29 | Tree Pipit                 | <i>Anthus trivialis</i>        |     |     |      |       | 1    | 1H   |       |    |
| 30 | White Wagtail              | <i>Motacilla alba</i>          |     | 1   | 2    | 2     |      | 1    |       | 2  |
| 31 | Grey Wagtail               | <i>Motacilla cinerea</i>       |     | 2   | 3    | 2     | 1    |      |       |    |
| 32 | Wren                       | <i>Troglodytes troglodytes</i> |     | 1H  | FH   | 1/FH  | FH   | FH   |       |    |
| 33 | Dipper                     | <i>Cinclus cinclus</i>         |     | 2   | 2    |       |      |      | 1     |    |
| 34 | Robin                      | <i>Erithacus rubecula</i>      |     | F   | F    |       | F    | F    | F     |    |
| 35 | Nightingale                | <i>Luscinia megarhynchos</i>   |     |     | 1H   | 2H/1L |      |      | H     | 1H |
| 36 | Common Redstart            | <i>Phoenicurus phoenicurus</i> |     | F   | F    | F     | F    | F    | F     | FH |
| 37 | Black Redstart             | <i>Phoenicurus ochruros</i>    |     | F   | F    | F     | F    | F    | F     |    |
| 38 | Common Wheatear            | <i>Oenanthe oenanthe</i>       |     |     | 1    | 2     |      | 5    | F     |    |
| 39 | Stonechat                  | <i>Saxicola torquata</i>       |     |     |      | 1L    |      |      |       |    |
| 40 | Blue Rock Thrush           | <i>Monticola solitarius</i>    |     |     |      | 1     |      |      |       |    |
| 41 | Song Thrush                | <i>Turdus philomelos</i>       |     | 1H  |      |       | 2H   |      |       |    |
| 42 | Mistle Thrush              | <i>Turdus viscivorus</i>       |     |     |      |       | 2H   | 1H   |       |    |
| 43 | Blackbird                  | <i>Turdus merula</i>           |     | M   | F    | F     | F    | F    |       |    |
| 44 | Ring Ouzel                 | <i>Turdus torquatus</i>        |     |     |      |       |      | 1    |       |    |
| 45 | Blackcap                   | <i>Sylvia atricapilla</i>      |     | 1/H | H    | H     | H    | H    | H     |    |

|    | Common name             | Scientific name                      | May |      |      |      |    |      |    |    |
|----|-------------------------|--------------------------------------|-----|------|------|------|----|------|----|----|
|    |                         |                                      | 21  | 22   | 23   | 24   | 25 | 26   | 27 | 28 |
| 46 | Common Whitethroat      | <i>Sylvia communis</i>               |     |      |      | 1    |    | H    |    |    |
| 47 | Wood Warbler            | <i>Phylloscopus sibilatrix</i>       |     | 2H   | 1H   |      | 1  | 2    |    |    |
| 48 | Bonelli's Warbler       | <i>Phylloscopus bonelli</i>          |     | 1/2H |      | 1H   | 3H | 1/5H |    |    |
| 49 | Chiffchaff              | <i>Phylloscopus collybita</i>        |     | H    | H    | H    | H  | H    | H  | H  |
| 50 | Firecrest               | <i>Regulus ignicapillus</i>          | 1H  | 1/FH | 2    | 1/1H | 1H | 2H   |    |    |
| 51 | Collared Flycatcher     | <i>Ficedula albicollis</i>           |     |      | 1/2H | 1    | H  | H    |    |    |
| 52 | Great Tit               | <i>Parus major</i>                   |     | F    | F    | F    | F  | F    | F  | 1  |
| 53 | Coal Tit                | <i>Parus ater</i>                    | 1H  | 1    | F    | F    | F  | F    | F  | H  |
| 54 | Blue Tit                | <i>Parus caeruleus</i>               |     | 1    | F    | F    |    | F    |    |    |
| 55 | Marsh Tit               | <i>Parus palustris</i>               |     | 1/1H | 5    | H    | F  | F    | F  |    |
| 56 | Long-tailed Tit         | <i>Aegithalos caudatus</i>           |     | 1    | 4    |      |    |      |    |    |
| 57 | Treecreeper             | <i>Certhia familiaris</i>            |     |      |      | 1    |    |      |    |    |
| 58 | Red-backed Shrike       | <i>Lanius collurio</i>               |     | 3/1L |      | 4    |    |      | 1  |    |
| 59 | Magpie                  | <i>Pica pica</i>                     | F   | F    | 1    | F    |    | 1    |    | 2  |
| 60 | Eurasian Jay            | <i>Garrulus glandarius</i>           | 1   | 1L   |      | 2    |    | 1L   |    |    |
| 61 | Jackdaw                 | <i>Corvus monedula</i>               |     |      |      | F    |    |      |    |    |
| 62 | Chough                  | <i>Pyrrhocorax pyrrhocorax</i>       |     | )5   |      | )6 / |    | 2    |    |    |
| 63 | Alpine Chough           | <i>Pyrrhocorax graculus</i>          |     | )L   |      | )25L |    |      |    |    |
| 64 | Hooded Crow             | <i>Corvus corone cornix</i>          | 20  | 15   | 20   | M    | F  | F    | M  | M  |
| 65 | Starling                | <i>Sturnus vulgaris</i>              | F   | F    | F    | F    | F  | F    | F  | F  |
| 66 | House [Italian] Sparrow | <i>Passer domesticus (x italiae)</i> | F   |      | F    | F    | F  |      | F  | F  |
| 67 | Tree Sparrow            | <i>Passer montanus</i>               |     | F    | F    | F    | F  |      | F  |    |
| 68 | Chaffinch               | <i>Fringilla coelebs</i>             | 1HL | F    | F    | F    | F  | F    | F  |    |
| 69 | Linnet                  | <i>Acanthis cannabina</i>            |     | 2    | 2L   | 6L   |    | FL   | FL |    |
| 70 | Goldfinch               | <i>Carduelis carduelis</i>           |     | F    | F    | F    |    | F    |    |    |
| 71 | Greenfinch              | <i>Carduelis chloris</i>             |     | 1    | 1    | 1    | 1  |      | 1  |    |
| 72 | Siskin                  | <i>Carduelis spinus</i>              |     |      | 3L   |      |    |      |    |    |
| 73 | Serin                   | <i>Serinus serinus</i>               |     | M    | M    | M    | M  | M    | M  | H  |
| 74 | Bullfinch               | <i>Pyrrhula pyrrhula</i>             |     |      | 1    |      |    | 1    | H  |    |
| 75 | Yellowhammer            | <i>Emberiza citrinella</i>           |     | 1    |      | 1L   |    |      | H  |    |
| 76 | Cirl Bunting            | <i>Emberiza cirlus</i>               |     | 1L   | 1    | 1H   |    |      |    |    |
| 77 | Corn Bunting            | <i>Miliaria calandra</i>             |     | 1H   |      | 1H   | H  |      | H  | H  |
| 78 | Rock Bunting            | <i>Emberiza cia</i>                  |     |      |      |      |    |      | 1  |    |

## Mammals

|   | Common name         | Scientific name                   | May |    |    |    |    |    |      |    |   |
|---|---------------------|-----------------------------------|-----|----|----|----|----|----|------|----|---|
|   |                     |                                   | 21  | 22 | 23 | 24 | 25 | 26 | 27   | 28 |   |
| 1 | Marsican Brown Bear | <i>Ursus arctos marsicanus</i>    |     | 1  |    |    |    | 1  |      |    | 1 |
| 2 | Apennine Wolf       | <i>Canis lupus italicus</i>       |     |    |    |    |    | 2  |      |    |   |
| 3 | Apennine Chamois    | <i>Rupicapra pyrenaica ornata</i> |     |    |    |    |    |    | 30   |    |   |
| 4 | Wild Boar           | <i>Sus scrofa</i>                 |     | 1  |    | 19 | 1  |    |      |    |   |
| 5 | Pine Marten         | <i>Martes martes</i>              |     |    |    |    |    |    | Scat |    |   |
| 6 | Red Squirrel        | <i>Sciurus vulgaris</i>           |     | 2  |    | 1  |    |    | 2    |    |   |
| 7 | Red Deer            | <i>Cervus elaphus</i>             |     | 15 |    | 10 |    |    |      | 5  |   |
| 8 | Wood Mouse          | <i>Sylvaemus sylvaticus</i>       |     | 2  |    |    |    |    |      |    |   |
| 9 | Brown Hare          | <i>Lepus capensis</i>             |     | 1  |    |    |    | 1  |      |    |   |

## Reptiles

|   |                     |                        |  |   |   |   |   |   |   |   |  |
|---|---------------------|------------------------|--|---|---|---|---|---|---|---|--|
| 1 | Slow Worm           | <i>Anguis fragilis</i> |  | 1 |   |   |   |   |   |   |  |
| 2 | Italian Wall Lizard | <i>Podarcis sicula</i> |  | X | X | X | X | X | X | X |  |
| 3 | Green Lizard        | <i>Lacerta viridis</i> |  |   |   |   |   |   | 1 | 1 |  |
| 4 | Grass Snake         | <i>Natrix natrix</i>   |  |   |   |   |   |   |   | 1 |  |

## Butterflies

|    |                           |                               |   |    |   |   |   |   |   |   |   |
|----|---------------------------|-------------------------------|---|----|---|---|---|---|---|---|---|
| 1  | Swallowtail               | <i>Papilio machaon</i>        |   |    |   |   | 2 |   |   |   |   |
| 2  | Scarce Swallowtail        | <i>Iphiclides podalirius</i>  |   | 1  |   | 2 |   |   | X | X |   |
| 3  | Large White               | <i>Pieris brassicae</i>       |   |    | X | X | X | X | X | X |   |
| 4  | Small White               | <i>Artogeia rapae</i>         |   | )X | X |   |   |   |   |   |   |
| 5  | Southern Small White      | <i>Artogeia manii</i>         |   | )  |   |   |   |   |   |   |   |
| 6  | Green-veined White        | <i>Artogeia napi</i>          |   |    |   |   |   |   |   |   | L |
| 7  | Bath White                | <i>Pontia daplidice</i>       |   |    |   |   | X |   |   |   |   |
| 8  | Orange-tip                | <i>Anthocharis cardamines</i> |   |    | X | X | X | X | X | X |   |
| 9  | Moroccan Orange-tip       | <i>Anthocharis belia</i>      |   |    |   | 2 | X |   |   |   |   |
| 10 | Clouded Yellow            | <i>Colias crocea</i>          |   |    |   | X | X | X | X | X |   |
| 11 | Berger's Clouded Yellow   | <i>Colias australis</i>       |   |    |   | 2 |   |   |   |   |   |
| 12 | Brimstone                 | <i>Gonepteryx rhamni</i>      |   |    |   |   | X |   |   | X |   |
| 13 | Wood White                | <i>Leptidea sinapis</i>       |   | X  | X | X | X | X | X | X |   |
| 14 | Green Hairstreak          | <i>Callophrys rubi</i>        |   |    |   |   | X |   |   | X |   |
| 15 | Little Blue               | <i>Cupido minimus</i>         |   |    |   | 2 |   |   |   |   |   |
| 16 | Baton Blue                | <i>Pseudophilotes baton</i>   |   |    | X |   |   |   |   |   |   |
| 17 | Brown Argus               | <i>Aricia agestis</i>         |   |    |   |   | X |   |   | X |   |
| 18 | Adonis Blue               | <i>Lysandra bellargus</i>     |   |    |   |   | X | X |   |   |   |
| 19 | Common Blue               | <i>Polyommatus icarus</i>     |   |    | X | X | X | X | X | X |   |
| 20 | Large Tortoiseshell       | <i>Nymphalis polychloros</i>  |   |    |   |   |   |   |   |   | X |
| 21 | Red Admiral               | <i>Vanessa atalanta</i>       |   | X  |   | X | X |   |   |   |   |
| 22 | Painted Lady              | <i>Cynthia cardui</i>         |   |    | X | X | X | X |   |   |   |
| 23 | Small Tortoiseshell       | <i>Aglais urticae</i>         |   |    |   | X | X | X | X | X |   |
| 24 | Comma Butterfly           | <i>Polygonia c-album</i>      |   |    |   |   |   | L |   |   |   |
| 25 | Queen of Spain Fritillary | <i>Issoria lathonia</i>       |   |    |   |   | X |   |   |   |   |
| 26 | Glanville Fritillary      | <i>Melitaea cinxia</i>        |   |    |   |   | X |   |   |   |   |
| 27 | Heath Fritillary          | <i>Melicta athalia</i>        |   |    |   | L |   |   |   |   |   |
| 28 | Small Heath               | <i>Coenonympha pamphilus</i>  |   | X  |   |   | X |   |   |   |   |
| 29 | Speckled Wood             | <i>Pararge aegeria</i>        | X |    | X |   |   |   |   |   |   |
| 30 | Wall Brown                | <i>Lasiommata megera</i>      | X |    |   |   |   |   |   | X |   |

|    | Common name           | Scientific name          | May |    |    |    |    |    |    |    |
|----|-----------------------|--------------------------|-----|----|----|----|----|----|----|----|
|    |                       |                          | 21  | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 31 | Grizzled Skipper      | <i>Pyrgus malvae</i>     |     |    |    |    |    | X  |    |    |
| 32 | Red-underwing Skipper | <i>Spialia sertorius</i> |     | X  |    |    |    |    |    |    |
| 33 | Dingy Skipper         | <i>Erynnis tages</i>     |     |    |    |    | X  | X  | X  |    |

## Other Insects

|  |                         |                               |  |   |   |   |   |   |   |   |
|--|-------------------------|-------------------------------|--|---|---|---|---|---|---|---|
|  | Broad-bodied Chaser     | <i>Libellula depressa</i>     |  |   | X |   |   |   |   |   |
|  | Stonefly                | ( <i>Perlidae</i> )           |  | X |   |   |   |   |   | X |
|  | Bush Cricket sp         | ( <i>Tettigoniidae</i> )      |  |   |   | X |   |   |   |   |
|  | Field Cricket           | <i>Gryllus campestris</i>     |  |   | X | X | X | X | X |   |
|  | Ascalaphid              | <i>Libelloides coccajus</i>   |  |   |   |   | X | X |   |   |
|  | Mother Shipton (moth)   | <i>Callistege mi</i>          |  |   |   |   |   |   |   | X |
|  | Burnet Companion (moth) | <i>Euclidia glyphica</i>      |  | X |   |   |   |   |   |   |
|  | Bee Fly                 | <i>cf. Bombylius major</i>    |  | X | X | X | X | X | X |   |
|  | Ichneumon sp            | ( <i>Ichneumonidae</i> )      |  |   |   |   |   |   |   | X |
|  | Violet Carpenter Bee    | <i>cf. Xylocopa violacea</i>  |  | X | X | X |   | X |   |   |
|  | Ginger Bumble Bee       | ( <i>Apidae</i> )             |  | X |   | X | X |   |   | X |
|  | Sexton Beetle           | <i>Nicrophorus sp.</i>        |  |   |   |   | X |   |   |   |
|  | Cockchafer              | <i>Melolontha melolontha</i>  |  | X |   |   |   |   |   |   |
|  | Rose Chafer             | <i>Cetonia aurata</i>         |  |   | X |   |   |   |   |   |
|  | A Longhorn Beetle       | <i>Morimus cf funereus</i>    |  |   |   |   | X |   |   |   |
|  | A green weevil          | <i>Polydrusus cf sericeus</i> |  |   |   |   |   |   |   | X |

## Isopods

|  |            |                                 |  |  |  |  |   |  |  |  |
|--|------------|---------------------------------|--|--|--|--|---|--|--|--|
|  | Pill Louse | <i>cf Armadillidium vulgare</i> |  |  |  |  | X |  |  |  |
|--|------------|---------------------------------|--|--|--|--|---|--|--|--|