

# The Apennines: Italy's Abruzzo National Park

Naturetrek Tour Report

30 May - 6 June 2013



Hybrid Burnt-tip/Toothed Orchid



Pescasseroli - view from hill behind hotel



Adonis Blue



Two colour forms of Elder-flowered Orchid

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## Summary:

We had a week of rather varied weather conditions with some spells of heavy rain, low cloud, chilly morning temperatures and even some fog! However, we also experienced some warm sunny days with lovely views and good sightings of the fascinating wildlife of the National Park. The star species of the park, the Marsican Brown Bear, appeared for us on two occasions, a Wolf was watched one morning and we had plenty of views of Red and Roe Deer. There were also a great many interesting birds, butterflies and wild flowers to record on our lists. Our daily walks took us to many of the different habitats of the National Park, including some lovely woodlands and the high alpine zone above the tree line. We enjoyed our stay in the Albergo Paradiso where the central heating and log fires were much appreciated, and the friendly service and excellent food for our evening meals were most welcome. Local walks around the hotel provided us with some good pre-breakfast and evening sightings of birds, flowers and mammals.

## Day 1

Thursday 30th May

Weather: Heavy rain with some low cloud. 7°C

Andrew met the group at Rome Fiumicino Airport after the morning flight from London. Chris and Barbara had already arrived on an earlier flight from Leeds. Lee had accompanied the group on the London flight, and once all the baggage had been collected, and the mini-buses sorted out we loaded up and headed for the Rome Ring-road.

The first leg of the journey was a rather slow, but after negotiating all the traffic, roadworks and diversions we were on the auto-route heading east for the Apennines, and between the clouds we could see the extensive mountain ranges, the forested hillsides and the small hill towns. Our journey took just over two hours and we then entered the Abruzzo National Park. We paused briefly at the Gioia Vecchio mammal watch-point to check for any recent sightings before the final length of the journey down to Pescasseroli where we checked in to the Albergo Paradiso. Geraldine welcomed everyone and showed the group to their rooms before we enjoyed the first of our splendid evening meals and had a briefing about the plans for the week.

## Day 2

Friday 31st May

Weather: Sunny morning, but heavy rain later. -1°C to 7°C

Almost all of the group members opted for the early start, so we made a pre-breakfast visit to the mammal watching point at Gioia Vecchio. A few other observers were already there and it was not long before we had our first sighting of a Marsican Brown Bear in the valley below us. We were able to get the telescopes on to it, and also get some photographs. Also seen were numerous Red Deer, some with splendid sets of antlers in velvet, and the rather grey-coated Red Fox. We returned for breakfast, via the bakery, feeling very pleased with ourselves after this good start!

Lee and Andrew did some shopping for picnic supplies and then we loaded up and drove a few miles to the Camosciara Valley. We had hoped to carry our picnic supplies with us, but in view of the wet conditions we decided to leave food in the minibuses. Our walk took us along the attractive partly-wooded valley near a clear stream and we soon found many interesting plants, including a good range of orchids, the highlight being a clump of Lady's Slipper Orchids *Cypripedium calceolus* in perfect condition. A school party were being shown these beautiful plants and we were impressed by the way the teachers encouraged the children to look, but from a safe distance. The rain made bird and butterfly watching rather tricky but there were plenty of interesting plants to see along the route. We eventually reached the café where there was a log fire burning so this was a welcoming spot for a warm drink.

The final section of the walk led us to two impressive waterfalls high in the woods where we some were able to briefly watch a Dipper feeding. Some tiny Coral Root Orchids *Corallorhiza trifida* were spotted in the leaf litter below the beech trees and a few yellow Auriculas were in flower on the rocks near the waterfall. We returned to the minibuses for a late picnic and at this point the rain eased a little so we were able to call in at the hilltop village of Opi on our way back to the hotel. Lovely photographs of the local wildlife were displayed on the walls of the old buildings and we enjoyed looking around the town, discovering something of its history and inspecting the viewpoints of the surrounding valleys and mountains. We returned to the hotel to warm up and enjoyed the log fire and an excellent evening meal after which we went over the first day's sightings and discussed the plans for the next day.

## Day 3

Saturday 1st June

Weather: Clear at dawn, heavy rain later and then a clear evening. -1°C to 7°C

We began our day with a pre-breakfast mammal watch at Gioia Vecchio, and although the bears did not manifest themselves, Red and Roe Deer were seen on the slopes below us.

Lee and Andrew did some shopping for lunch supplies and then we set off for Val Fondillo where we planned to follow the stream into the valley. Because of the rain we decided that it would be easier to leave our picnic supplies in the minibuses again and make use of the little café and information centre at the start of the walk. Despite the rather gloomy conditions we found many more species of orchids and alpine flowers on this walk, including some perfect Military Orchids *Orchis militaris* and the rare Reddish Saxifrage *Saxifraga porophylla*.

Crossing a bridge over the clear stream, we headed up the other side of the valley where we were closer to the water. A clearing in the Juniper scrub was found to have a lovely colony of Trumpet Gentians *Gentiana dinarica* growing in it, and there were a few Fragrant Orchids *Gymnadenia conopsea* agg just coming into flower in the shelter of some of the shrubs. We checked a gravel bank in the bed of the stream where last week's group had discovered the partly-decomposed remains of a Wolf; it was still there and this gave some of us the opportunity to study this animal at close quarters – the smell of decay deterred some of the group! It had a most impressive set of teeth, and we were also impressed by the size of its feet. In a deep, clear pool nearby we spotted some very large Brown Trout which were a bit nervous when we got too close.

We returned down the valley to the reserve office and restaurant where the log fire and some hot drinks were very welcome. Once again we had a late picnic at the minibuses before returning to the hotel. Lee and Andrew did some more shopping in the town before we had an early evening meal. This gave us the chance to do an evening mammal watch as the weather conditions had improved slightly. Once again, the bears did not appear, but we added two new mammals to the list: a Brown Hare was watched in a field, and a Hedgehog (alive – not squashed!) was picked up on the road close to the hotel on our return.

## Day 4

Sunday 2nd June

Weather: A grey start to the day, but sunny later. 3°C to 14°C

The weather forecast looked promising so we decided that this was the best day to tackle the high alpine walk of Val de Rose. We prepared packed lunches before leaving the hotel and then drove the historic town of Civitella de Alfedena on the slopes above Lago Barrea. This was the starting point for a well-marked trail which led us through steep beech woods and flower-filled meadows before reaching the alpine zone above the tree-line. The first part of the route was hard going, but there were plenty of distractions along the way with butterflies and flowers to give us excuses to stop. At every clearing there were spectacular views of the valley below us. As we neared the upper limit of the beech woods there was still plenty of snow on the trail and wolf tracks and recent scats were spotted in several places. A sunny clearing where another track joined our trail was a good spot for a well-earned picnic, and here the endemic *Solenanthus apenninus* was found.

After finally emerging above the tree line we could see the open alpine zone above us and there was snow slope to negotiate before getting to the high Col where there were far-reaching views. Abruzzo Chamois were spotted on the crags above us, and there were plenty of alpine flowers to attract the photographers. Yellow Whitlow Grass *Draba aizoides* and Alpine Squill *Scilla bifolia* were abundant here and the larger boulders supported fine specimens of Reddish Saxifrage and Cobweb Houseleek *Sempervivum arachnoideum*. Some of the party decided to start on the trail down in plenty of time, whilst a few others continued to explore the high slopes where there were close views of Chamois, Water Pipit and Wheatear. We all gradually made our way back down through the beech forest and arrived back at the mini-buses for snacks and drinks before returning to the hotel where once again the log fire and evening meal were greatly appreciated.

## Day 5

Monday 3rd June

Weather: A cold start with low cloud, but a sunny morning. Heavy rain later in the afternoon. 5°C to 14°C

An early morning mammal watch for some of the group provided more sightings of both Red and Roe Deer, although the Bears did not appear. After a stop in the town to collect fresh bread we returned for breakfast and near the hotel Cirl Bunting, Red-backed Shrike and Tree Sparrow were spotted.

Our destination today was the open area above the town of Barrea where a “Sentiera Natura”, a way-marked Nature Trail, had been provided to guide visitors to a raptor watch-point overlooking the gorge. On the rooftops in the town Black Redstarts were displaying and on the lane leading to the watch point Blackcaps and Nightingales were heard in full song. At the watch-point we had excellent views of the surrounding mountains and several butterflies were on the wing in the warm sunshine; an Adonis Blue provided some good photo opportunities and the flora here was very rich and included *Daphne oleioides*, Burnt-tip Orchid *Orchis ustulata* and Purple Viper’s Bugloss *Echium plantagineum*. A non-flowering House-leek (probably *Sempervivum italicum*) was growing amongst luxuriant Rusty-back Fern *Ceterach officinarum* on some of the rocks.

After a pleasant morning here we returned to the mini-buses and admired the impressive view from the town over the whole length of Lago Barrea. We drove down to a spot beside the lake where several species of orchid had been found the week before and soon found many of the endemic sub-species of Late Spider Orchid *Ophrys dinarica*, and several spikes of the Adriatic Lizard Orchid *Himantoglossum adriaticum* and a few fine specimens of Man Orchid *Orchis anthropophora*. A short way along the road was a sheltered picnic spot which was helpful because of the approaching rain. Large patches of Reversed Clover *Trifolium resupinatum* were very colourful here.

After our picnic we took the mountain road to the high pass on the flanks of Monte Godi. Here we explored a trail along the stony slopes and climbed up amongst the prostrate Juniper to look at the splendid displays of Pale-flowered Orchids *Orchis pallens* and the two colour-forms of the Elder-flowered Orchid *Dactylorhiza sambucina*. After another fascinating day with many new species added to our lists we returned to the hotel, where some of the group had a stroll along the tracks nearby and heard, and just glimpsed, a Wryneck.

## Day 6

Tuesday 4th June

Weather: Heavy showers for most of day but with brief sunny spells. 5°C to 11°C

We had some dry interludes for our early-morning mammal watch at the usual site, and although the bears did not oblige we managed some good sightings of both Roe and Red Deer on the distant hillside and our usual companions, the motley collection of dogs who lived in the apparently deserted village were pleased to see us again. However, Margaret had spotted something moving quite close below us and quickly drew our attention to a Wolf trotting through a clearing. It was lost in the scrub for a time but then an alert Roe Deer dashed away with the Wolf running past afterwards. We could not tell if the Wolf had hunted successfully, but were pleased to have had this view! After the usual bakery stop and a shopping trip by Andrew and Lee, we prepared our picnic and then left for our first stop of the day at the cemetery above the town. Surrounded by high walls and with groves of Black Pines it had a very imposing appearance. Short-toed Treecreeper and Firecrest were found here.

We then followed the way-marked trail to the ruins of Castel Mancino where there were many Adriatic Lizard Orchids growing on the slopes and other limestone-loving flora including two species of Rock Rose and many aromatic herbs such as Basil Thyme *Acinos arvensis*. We enjoyed the impressive views of the town from the castle ramparts and then made our way down through the pine forest to the mini-buses. A short drive took us to a picnic spot near the river where there was some shelter from the rain.

After a brief stop at the hotel we headed for the orchid-rich slopes above the road to Gioia Vecchio where we explored the steep grassy hillside. The cool conditions meant that many of the butterflies were perched on the vegetation allowing very close views and some good photographs. Amongst the orchids were hundreds of Burnt-tip Orchids and a new find for the list was a small patch of Sparse-flowered Orchids *Orchis pauciflora*. The rain cleared up so we headed for the mammal watch point and immediately spotted several groups of Wild Boar on the distant hillside – these turned out to be family groups with several small piglets amongst them. We enjoyed watching them foraging on the hillside and were impressed by how fast they could move at times. Des was on the lookout for something larger and spotted a Bear moving down the hillside on the opposite side of the valley. As it headed down the slope it was lost at times amongst the trees, but we were able to watch it intermittently until it disappeared into the valley. After a while the weather closed in so we returned to the hotel to think about our exciting day's finds and plan for tomorrow.

## Day 7

Wednesday 5th June

Weather: Sunny morning, but heavy rain later. 5°C to 14°C

We made another early start to the look-out at Gioia Vecchio, pausing at a few spots along the road to check some fields and clearings. Apart from Red Deer, there were no other mammal sightings but we did find Red-backed Shrike in one field.

After breakfast and some shopping for food supplies and souvenirs we prepared picnics and then drove the very short distance to the start of the walk to Pesco di Lordo. At the parking place a Wryneck was very vocal, and we had the really odd sighting of a bat flying overhead, obviously feeding, but in bright sunlight. Whilst gazing at the sky we also spotted Honey Buzzard and Common Buzzard. The track led us through a lovely ancient beech wood with some impressive old trees, some supporting colonies of the large lichen, Tree Lungwort *Lobaria pulmonaria*, whilst in the shade there were some good specimens of Yellow Figwort *Scrophularia vernalis*. Both Bonelli's and Wood Warbler were present in the wood but were rather tricky to see properly. We picnicked in an open area where many Field Crickets were calling from the mouths of their burrows. The rare Marsican Iris *Iris marsicana* was not in flower but we did see plenty of other colourful species including the bright blue Speedwell *Veronica orisiana*.

We made our way back down the valley and then after a few minutes at the hotel drove to Opi for a second look at the hilltop town and the viewpoints over the surrounding valleys. Golden Eagles and Swifts appeared here, and Black Redstarts gave good views on the roof-tops below us. We returned to the hotel for an early evening meal and then some of the group headed to the watch point for a final evening's viewing. We checked various spots along the road, pausing to look at a few flowers on the way. Some magnificent clumps of Nice Milkwort *Polygala nicaeensis* fooled us for a time, looking rather like pink orchids. No bears were seen, but we glimpsed Wild Boar and there were some good-sized Red Deer stags on the hilltop. We returned as it got dark for a final check of the lists and some preparation for our journey home in the morning.

## Day 8

Thursday 6th June

Weather: Fog on the hills, but clear near Rome. 17°C

Sadly this was the end of the trip so we had to leave Pescasseroli. We had an early breakfast and left the hotel by 08 00. We could not pass by the mammal watch point without stopping to look for a few minutes, and although the bears were not on view we enjoyed one last look at the beautiful mountain scenery, some of it obscured by cloud. We also said farewell to the scruffy, but very friendly dogs who greeted us every time we visited the site.

Our journey back to Rome was fairly straightforward, and a few birds such Black Kite and Grey Heron were seen. We then departed for the UK with some happy memories of the wildlife of the Abruzzo National Park.

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Marsican Brown Bear

## Species List

### Plants

| Scientific name                  | English Name              | Location and comments           |
|----------------------------------|---------------------------|---------------------------------|
| <b>Pteridophytes</b>             |                           |                                 |
| <i>Pteridium aquilinum</i>       | Bracken                   | Widespread on hillsides         |
| <i>Asplenium ruta-muraria</i>    | Wall Rue                  | Walls and rocks                 |
| <i>Asplenium trichomanes</i>     | Maidenhair Spleenwort     | Walls and rocks                 |
| <i>Ceterach officinarum</i>      | Rusty-back Fern           | Common on sunny walls and rocks |
| <i>Dryopteris filix-mas</i>      | Male Fern                 | Woodlands and verges            |
| <i>Cystopteris fragilis</i>      | Brittle Bladder Fern      | Rocks, Val Fondillo             |
| <b>Pinopsida</b>                 |                           |                                 |
| <i>Juniperus communis</i>        | Juniper                   | Open hillsides and rocks        |
| <i>J. communis ssp alpina</i>    | Prostrate Juniper         | high alpine zone, Monte Godi    |
| <i>Juniperus oxycedrus</i>       | Prickly Juniper           | nr Pescasseroli                 |
| <i>Pinus mugo</i>                | Dwarf Mountain Pine       | Val de Rose                     |
| <i>Pinus nigra</i>               | Villeta Barrea Black Pine | slope of Monte Godi             |
| <b>Magnoliopsida</b>             |                           |                                 |
| <b>Flowering Plants</b>          |                           |                                 |
| <b>Dicotyledons</b>              |                           |                                 |
| <b>Aceraceae</b>                 |                           |                                 |
| <i>Acer campestre</i>            | Field Maple               | Widespread                      |
| <i>Acer monspessulanum</i>       | Montpelier Mape           | Camosciara                      |
| <i>Acer opalus</i>               | Italian Maple             | Val Fondillo                    |
| <i>Acer pseudoplatanus</i>       | Sycamore                  | Widespread                      |
| <b>Apiaceae</b>                  |                           |                                 |
| <i>Aegopodium podagraria</i>     | Ground Elder              | Pescasseroli                    |
| <i>Angelica sylvestris</i>       | Angelica                  | Pescasseroli                    |
| <i>Anthriscus sylvestris</i>     | Cow Parsley               | Barrea                          |
| <i>Daucus carota</i>             | Wild Carrot               | Barrea                          |
| <i>Eryngium amethystinum</i>     | Blue Eryngo               | Pescasseroli                    |
| <i>Laserpitium latifolium</i>    | Sermountain               | Leaves only                     |
| <i>Pimpinella saxifraga</i>      | Burnet Saxifrage          | Leaves only, Castel Mancino     |
| <i>Sanicula europea</i>          | Sanicle                   | Camosciara                      |
| <i>Scandix pecten-veneris</i>    | Shepherd's Needle         | Castel Mancino                  |
| <b>Aquifoliaceae</b>             |                           |                                 |
| <i>Ilex aquifolium</i>           | Holly                     | Camosciara                      |
| <b>Araliaceae</b>                |                           |                                 |
| <i>Hedera helix</i>              | Ivy                       | Widespread                      |
| <b>Asclepiadaceae</b>            |                           |                                 |
| <i>Vincetoxicum hirundinaria</i> |                           | Val Fondillo                    |
| <b>Asteraceae</b>                |                           |                                 |
| <i>Bellis perennis</i>           | Daisy                     | Widespread                      |
| <i>Bellis sylvestris</i>         | Southern Daisy            | Widespread                      |
| <i>Carduus chrysanthus</i>       | Appenine Thistle          | Leaves only                     |



| Scientific name                     | English Name                | Location and comments             |
|-------------------------------------|-----------------------------|-----------------------------------|
| <i>Carduus nutans</i>               | Musk Thistle                | Orchid slopes and meadows         |
| <i>Carlina acaulis</i>              | Stemless Carlina Thistle    | Val Fondillo                      |
| <i>Centaurea montana</i>            | Perennial Cornflower        | Val Fondillo                      |
| <i>Cirsium tenoreanum</i>           | a Woolly Thistle            | Widespread, verges and grasslands |
| <i>Crepis (lacera)</i>              | a Hawksbeard                | Castel Mancino                    |
| <i>Doronicum columnae</i>           | a Leopardsbane              | Leaves only                       |
| <i>Leucanthemum vulgare</i>         | Ox-eye Daisy                | Barrea                            |
| <i>Petasites hybridus</i>           | Butterbur                   | Val Fondillo                      |
| <i>Pilosella officinarum</i>        | Mouse-ear Hawkweed          | Camosciara                        |
| <i>Scorzonera canum</i>             | a Viper's-grass             | Lago Barrea                       |
| <i>Scorzonera purpurea</i>          | a Viper's-grass             | roadsides and meadows             |
| <i>Tragopogon dubius</i>            | a Goat's-beard              | roadsides and meadows             |
| <i>Tragopogon hybridum</i>          | Annual Goat's-beard         | Barrea                            |
| <b>Betulaceae</b>                   | <b>Birch family</b>         |                                   |
| <i>Carpinus betulus</i>             | Hornbeam                    | Widespread                        |
| <i>Carpinus orientalis</i>          | Eastern Hornbeam            | Pescasseroli                      |
| <i>Corylus avellana</i>             | Hazel                       | Widespread                        |
| <i>Ostrya carpinifolia</i>          | Hop Hornbeam                | Pescasseroli                      |
| <b>Boraginaceae</b>                 | <b>Forget-me-not family</b> |                                   |
| <i>Cynoglossum montanum</i>         | Mountain Hound's-tongue     | Val de Rose                       |
| <i>Cynoglossum officinale</i>       | Hound's-tongue              | Val Fondillo                      |
| <i>Cynoglossis barrellieri</i>      | a blue Anchusa              | Meadows and roadsides             |
| <i>Echium plantagineum</i>          | Purple Viper's Bugloss      | Orchid slopes and meadows         |
| <i>Echium vulgare</i>               | Viper's Bugloss             | Meadows and roadsides             |
| <i>Myosotis alpestris</i>           | Alpine Wood Forget-me-not   | Val de Rose                       |
| <i>Myosotis sylvatica</i>           | Wood Forget-me-not          | Pesco di Lordo                    |
| <i>Myosotis (ramosissima)</i>       | a Forget-me-not             | Scattered, roadsides and paths    |
| <i>Pulmonaria (obscura)</i>         | a Lungwort                  | Val Fondillo                      |
| <i>Solenanthes appeninus</i>        | Solenanthes                 | Val de Rose                       |
| <i>Lithospermum (purpurea)</i>      | a Purple Gromwell           | roadsides and meadows             |
| <b>Brassicaceae</b>                 | <b>Cabbage family</b>       |                                   |
| <i>Alliaria petiolata</i>           | Garlic Mustard              | Pescasseroli                      |
| <i>Alyssum montanum</i>             | Mountain Alyssum            | Val de Rose                       |
| <i>Alyssum saxatile</i>             | Yellow Alyssum              | Castel Mancino                    |
| <i>Arabis caucasica ssp alpina</i>  | Alpine Rock-cress           | Val de Rose                       |
| <i>Biscutella laevigata</i>         | a Buckler Mustard           | Val Fondillo                      |
| <i>Capsella bursa-pastoris</i>      | Shepherd's Purse            | Widespread                        |
| <i>Cardamine amara</i>              | large Bitter-cress          | Camosciara                        |
| <i>Cardamine bulbifera</i>          | Coralroot Bittercress       | Camosciara, Val Fondillo          |
| <i>Cardamine enneaphyllos</i>       | Drooping Bittercress        | Leaves only, flowers over         |
| <i>Cardamine flexuosa</i>           | Wavy Bittercress            | Pescasseroli                      |
| <i>Draba aizoides</i>               | Yellow Whitlow-grass        | Val de Rose                       |
| <i>Isatis tinctoria</i>             | Woad                        | roadsides and meadows             |
| <i>Rorippa nasturtium-aquaticum</i> | Watercress                  | Val Fondillo                      |
| <i>Thlaspi alpinum</i>              | Alpine Pennycress           | Val de Rose                       |
| <i>Tordylium apulum</i>             | Tordylium                   | Lago Barrea picnic spot           |
| <i>Turritis glabra</i>              | Tower Cress                 | Barrea                            |
| <b>Campanulaceae</b>                | <b>Bell-flower family</b>   |                                   |
| <i>Campanula persicifolia</i>       | Peach-leaved Bellflower     | Barrea                            |

| Scientific name          | English Name                 | Location and comments    |
|--------------------------|------------------------------|--------------------------|
| Phyteuma orbiculare      | Round-headed Rampion         | Camosciara               |
| <b>Caprifoliaceae</b>    | <b>Honeysuckle Family</b>    |                          |
| Lonicera caprifolium     | Perfoliate Honeysuckle       | Camosciara               |
| Lonicera periclymenum    | Honeysuckle                  | Camosciara               |
| Lonicera xylosteum       | Fly Honeysuckle              | Camosciara               |
| Sambucus ebulus          | Dwarf Elder                  | Camosciara, Val Fondillo |
| Sambucus nigra           | Elder                        | Widespread and common    |
| Viburnum Lantana         | Wayfaring Tree               | Widespread               |
| <b>Caryophyllaceae</b>   | <b>Pink Family</b>           |                          |
| Cerastium fontanum       | Common Mouse-ear             | Widespread               |
| Cerastium tomentosum     | Snow-in-summer               | Barrea                   |
| Dianthus carthusianorum  | Carthusian Pink              | Lago Barrea picnic spot  |
| Lychnis flos-cuculi      | Ragged Robin                 | Camosciara, Val Fondillo |
| Petrorhagia saxifraga    | Tunic Flower                 | Castel Mancino           |
| Silene conica            | Sand Catchfly                | nr Hotel, common         |
| Silene dioica            | Red Campion                  | Widespread               |
| Silene italica           | Italian Catchfly             | Val Fondillo             |
| Silene latifolia         | White Campion                | Pescasseroli             |
| Silene rupestris         | Rock Catchfly                | Val de Rose              |
| Silene vulgaris          | Bladder Campion              | Val Fondillo             |
| Stellaria nemorum        | Wood Stitchwort              | Camosciara               |
| <b>Celastraceae</b>      | <b>Spindle Family</b>        |                          |
| Euonymus europaeus       | Spindle                      | Camosciara               |
| <b>Cistaceae</b>         | <b>Rock-rose family</b>      |                          |
| Helianthemum appeninum   | White Rock-rose              | Castel Mancino           |
| Helianthemum nummularium | Common Rock-rose             | Castel Mancino           |
| H. oleandicum ssp canum  | Hoary Rock-rose              | Castel Mancino           |
| <b>Clusiaceae</b>        | <b>St John's-wort family</b> |                          |
| Hypericum perforatum     | Perforate St John's-wort     |                          |
| <b>Convolvulaceae</b>    | <b>Bindweed family</b>       |                          |
| Cuscuta epithymum        | Common Dodder                | Val Fondillo             |
| <b>Cornaceae</b>         | <b>Dogwood family</b>        |                          |
| Cornus sanguinea         | Dogwood                      |                          |
| <b>Crassulaceae</b>      | <b>Stonecrop family</b>      |                          |
| Sedum acre               | Biting Stonecrop             | Castel Mancino           |
| Sedum album              | White Stonecrop              | Widespread               |
| Sedum dasyphyllum        | Thick-leaved Stonecrop       | Val Fondillo             |
| Sedum rubens             | Reddish Stonecrop            | Val de Rose              |
| Sempervivum arachnoideum | Cobweb Houseleek             | Val de Rose              |
| <b>Cucurbitaceae</b>     | <b>Gourd family</b>          |                          |
| Bryonia dioica           | White Bryony                 | Camosciara               |
| <b>Dipsacaceae</b>       | <b>Teasel family</b>         |                          |
| Dipsacus fullonum        | Teasel                       | Barrea                   |

| Scientific name                         | English Name            | Location and comments               |
|---|-------------------------|-------------------------------------|
| <b>Euphorbiaceae</b>                    | <b>Spurge family</b>    |                                     |
| <i>Euphorbia amygdaloides</i>           | Wood Spurge             | Pesco di Lordo                      |
| <i>Euphorbia cyparissias</i>            | Cypress Spurge          | nr Hotel, common                    |
| <i>Euphorbia helioscopa</i>             | Sun Spurge              | Roadsides and tracks                |
| <i>Euphorbia myrsinites</i>             | Glaucous-leaved Spurge  | Castel Mancino                      |
| <i>Euphorbia platyphyllos</i>           | Broad-leaved Spurge     | Barrea                              |
| <i>Euphorbia verrucosa</i>              | .....                   | nr Gioia Vecchio                    |
| <i>Mercurialis perennis</i>             | Dog's Mercury           | Widespread                          |
| <i>Mercurialis annua</i>                | Annual Mercury          | Castel Mancino                      |
| <b>Fabaceae</b>                         | <b>Pea Family</b>       |                                     |
| <i>Anthyllis vulneraria</i>             | Kidney Vetch            | Widespread                          |
| <i>Astragalus depressus</i>             | Sprawling Milk-vetch    | Val Fondillo                        |
| <i>Astragalus monspessulanus</i>        | False Vetch             | Val Fondillo                        |
| <i>Chamaecystis hirsutus</i>            | Hairy Broom             | Roadsides                           |
| <i>Colutea arborescens</i>              | Bladder Senna           | Rocky slopes and roadsides          |
| <i>Coronilla scorpioides</i>            | Annual Scorpion Vetch   | Castel Mancino                      |
| <i>Cytisus villosus</i>                 | a Broom sp              | Roadsides                           |
| <i>Genista tinctoria</i>                | Dyer's Greenweed        | Camosciara                          |
| <i>Hippocrepis comosa</i>               | Horseshoe Vetch         | Widespread                          |
| <i>Lathyrus aphaca</i>                  | Yellow Vetchling        | Castel Mancino                      |
| <i>Lathyrus linifolius var montanus</i> | Bitter Vetch            | Castel Mancino                      |
| <i>Lathyrus pratensis</i>               | Meadow Vetchling        | widespread                          |
| <i>Lathyrus setifolius</i>              | Red Grass Vetchling     | widespread                          |
| <i>Lathyrus vernus</i>                  | Spring Pea              | Camosciara                          |
| <i>Lotus corniculatus</i>               | Bird's-foot Trefoil     | widespread                          |
| <i>Medicago lupulina</i>                | Black Medick            | widespread                          |
| <i>Onobrychis arenaria</i>              | Small Sainfoin          | Val Fondillo                        |
| <i>Onobrychis vicifolia</i>             | Sainfoin                | roadsides                           |
| <i>Ononis spinosa</i>                   | Spiny Restharrow        | Camosciara                          |
| <i>Ononis natrix</i>                    | Large Yellow Restharrow | nr Gioia Vecchio                    |
| <i>Spartium junceum</i>                 | Spanish Broom           | nr Gioia Vecchio                    |
| <i>Trifolium campestre</i>              | Hop Trefoil             | nr Hotel, common                    |
| <i>T. incarnatum ssp molinerii</i>      | Long-headed Clover      | Barrea                              |
| <i>Trifolium pratense</i>               | Red Clover              | roadsides, fields                   |
| <i>Trifolium repens</i>                 | White Clover            | roadsides                           |
| <i>Trifolium resupinatum</i>            | Reversed Clover         | Lago Barrea picnic spot             |
| <i>Vicia cracca</i>                     | Tufted Vetch            | widespread                          |
| <i>Vicia sativa agg</i>                 | Common Vetch            | widespread                          |
| <i>Vicia sepium</i>                     | Bush Vetch              | roadsides                           |
| <i>Vicia villosa</i>                    | Fodder Vetch            | Lago Barrea                         |
| <b>Fagaceae</b>                         | <b>Beech family</b>     |                                     |
| <i>Fagus sylvatica</i>                  | Beech                   | extensive woodlands of this species |
| <i>Quercus cerris</i>                   | Turkey Oak              | Pesco di Lordo                      |
| <i>Quercus ilex</i>                     | Holm Oak                | Barrea, Monte Godi road             |
| <i>Quercus pubescens</i>                | Downy Oak               | Camosciara                          |
| <b>Fumariaceae</b>                      | <b>Fumitory family</b>  |                                     |
| <i>Fumaria capreolata</i>               | Tall Ramping Fumitory   | nr Hotel, gardens at Barrea         |
| <b>Gentianaceae</b>                     | <b>Gentian family</b>   |                                     |
| <i>Blackstonia perfoliata</i>           | Yellow-wort             | leaves only                         |

| Scientific name           | English Name               | Location and comments       |
|---------------------------|----------------------------|-----------------------------|
| Gentiana dinarica         | Trumpet Gentian            | Val Fondillo                |
| Gentiana lutea            | Great Yellow Gentian       | leaves only                 |
| Gentiana verna            | Spring Gentian             | Monte Godi, Val de Rose     |
| <b>Geraniaceae</b>        | <b>Crane's-bill family</b> |                             |
| Erodium cicutarium        | Common Stork's-bill        | nr Hotel                    |
| Geranium dissectum        | Cut-leaved Cranesbill      | roadsides, paths and tracks |
| Geranium lucidum          | Shining Cranesbill         | Camosciara                  |
| Geranium macrorrhizum     | Rock Cranesbill            | Val de Rose                 |
| Geranium pyrenaicum       | Hedgerow Cranesbill        | Barrea                      |
| Geranium robertianum      | Herb Robert                | Widespread                  |
| Geranium phaeum           | Dusky Cranesbill           | Pescasseroli                |
| Geranium sanguineum       | Bloody Cranesbill          | Val Fondillo                |
| <b>Globulariaceae</b>     | <b>Globularia family</b>   |                             |
| Globularia punctata       | Common Globularia          | Camosciara                  |
| Globularia cordifolia     | Matted Globularia          | Val Fondillo                |
| <b>Lamiaceae</b>          | <b>Dead-nettle family</b>  |                             |
| Acinos arvensis           | Basil Thyme                | Castel Mancino              |
| Ajuga chamaepitys         | Ground Pine                | Val Fondillo                |
| Ajuga reptans             | Bugle                      | Widespread                  |
| Ajuga tenorii             | Tenore's Bugle             | Monte Godi                  |
| Galeopsis ladanum         | Large Pink Hem-nettle      | nr Hotel                    |
| Lamium album              | White Dead-nettle          | nr Hotel                    |
| Lamium garganicum         | Large Red Dead-nettle      | widespread, roadsides       |
| Melittis melissophyllum   | Bastard Balm               | Camosciara                  |
| Mentha aquatica           | Water Mint                 | Val Fondillo                |
| Mentha longifolia         | Horse Mint                 | Camosciara                  |
| Origanum vulgare          | Oregano                    | Barrea                      |
| Salvia verbenaca          | Wild Clary                 | Widespread                  |
| Thymus serpyllum          | Wild Thyme                 | Widespread                  |
| <b>Linaceae</b>           | <b>Flax family</b>         |                             |
| Linum bienne              | Pale Flax                  | nr Gioia Vecchio            |
| Linum catharticum         | Purging Flax               | Barrea                      |
| <b>Malvaceae</b>          | <b>Mallow family</b>       |                             |
| Althaea hirsuta           | Hairy Mallow               | nr Gioia Vecchio            |
| Malva sylvestris          | Common Mallow              | widespread on roadsides     |
| <b>Oleaceae</b>           | <b>Olive family</b>        |                             |
| Fraxinus excelsior        | Ash                        | common                      |
| Fraxinus ornus            | Flowering Ash              | widespread on roadsides     |
| <b>Onagraceae</b>         | <b>Willowherb family</b>   |                             |
| Chamerion angustifolium   | Rosebay Willowherb         | leaves only                 |
| <b>Orobanchaceae</b>      | <b>Broomrape family</b>    |                             |
| Orobanche caryophyllaceae | Bedstraw Broomrape         | Barrea                      |
| Orobanche minor           | Common Broomrape           | Castel Mancino              |

| Scientific name                  | English Name             | Location and comments      |
|----------------------------------|--------------------------|----------------------------|
| <b>Papaveraceae</b>              | <b>Poppy family</b>      |                            |
| <i>Chelidonium majus</i>         | Greater Celandine        | Pescasseroli               |
| <i>Papaver argemone</i>          | Prickly Poppy            | Val Fondillo               |
| <i>Papaver rhoeas</i>            | Common Poppy             | roadsides                  |
| <b>Plantaginaceae</b>            | <b>Plantain family</b>   |                            |
| <i>Plantago atrata</i>           | Dark Plantain            | Val de Rose                |
| <i>Plantago lanceolata</i>       | Ribwort Plantain         | roadsides                  |
| <i>Plantago major</i>            | Greater Plantain         | roadsides                  |
| <i>Plantago media</i>            | Hoary Plantain           | Barrea                     |
| <b>Plumbaginaceae</b>            | <b>Thrift family</b>     |                            |
| <i>Armeria canescens</i>         | Plantain-leaved Thrift   | Val Fondillo, Pescasseroli |
| <b>Polygalaceae</b>              | <b>Milkwort family</b>   |                            |
| <i>Polygala chamaebuxus</i>      | Shrubby Milkwort         | Camosciara, Val Fondillo   |
| <i>Polygala nicaeensis</i>       | Nice Milkwort            | Widespread                 |
| <i>Polygala serpyllifolia</i>    | Thyme-leaved Milkwort    | Scattered sites            |
| <b>Polygonaceae</b>              | <b>Knotweed family</b>   |                            |
| <i>Rumex alpinus</i>             | Monk's Rhubarb           | Val de Rose                |
| <i>Rumex pulcher</i>             | Fiddle Dock              | nr Gioia Vecchio           |
| <i>Rumex scutatus</i>            | French Sorrel            | scattered sites            |
| <b>Primulaceae</b>               | <b>Primrose family</b>   |                            |
| <i>Anagallis arvensis</i>        | Scarlet Pimpernel        | scattered sites            |
| <i>Primula auricula</i>          | Bear's Ear               | Camosciara                 |
| <i>Primula vulgaris</i>          | Primrose                 | leaves only                |
| <b>Ranunculaceae</b>             | <b>Buttercup family</b>  |                            |
| <i>Anemone nemorosa</i>          | Wood Anemone             | leaves only                |
| <i>Aquilegia vulgaris</i>        | Columbine                | Camosciara                 |
| <i>Helleborus foetidus</i>       | Stinking Hellebore       | Widespread                 |
| <i>Helleborus viridis</i>        | Green Hellebore          | Monte Godi                 |
| <i>Hepatica nobilis</i>          | Hepatica                 | leaves only                |
| <i>Pulsatilla alpina</i>         | Alpine Pasque Flower     | Val de Rose                |
| <i>Ranunculus bulbosus</i>       | Bulbous Buttercup        | Widespread                 |
| <i>Ranunculus ficaria</i>        | Lesser Celandine         | scattered sites            |
| <i>Ranunculus millefoliatus</i>  | a fine-leaved Buttercup  | Barrea                     |
| <i>Ranunculus pencillatus</i>    | Stream Water Crowfoot    | Val Fondillo               |
| <i>Ranunculus repens</i>         | Creeping Buttercup       | Widespread                 |
| <i>Thalictrum aquilegifolium</i> | Greater Meadow Rue       | nr Pescasseroli            |
| <b>Resedaceae</b>                | <b>Mignonette family</b> |                            |
| <i>Resea lutea</i>               | Wild Mignonette          | Barrea                     |
| <b>Rhamnaceae</b>                | <b>Buckthorn family</b>  |                            |
| <i>Rhamnus alpinus</i>           | Alpine Buckthorn         | Monte Godi                 |
| <i>Rhamnus catharticus</i>       | Buckthorn                | Camosciara                 |
| <b>Rosaceae</b>                  | <b>Rose family</b>       |                            |
| <i>Alchemilla</i> sp             | a Lady's Mantle          | Val Fondillo               |
| <i>Cotoneaster integerrimus</i>  | Wild Cotoneaster         | Val Fondillo               |

| Scientific name                  | English Name            | Location and comments            |
|----------------------------------|-------------------------|----------------------------------|
| <i>Crataegus laevigata</i>       | Midland Hawthorn        | Val Fondillo                     |
| <i>Crataegus monogyna</i>        | Hawthorn                | Widely spread                    |
| <i>Fragaria vesca</i>            | Wild Strawberry         | Widely spread                    |
| <i>Geum urbanum</i>              | Wood Avens              | Val Fondillo                     |
| <i>Malus sylvestris</i>          | Crab Apple              | Camosciara                       |
| <i>Potentilla crantzii</i>       | Alpine Cinquefoil       | Val de Rose                      |
| <i>Potentilla recta</i>          | Sulphur Cinquefoil      | Barrea                           |
| <i>Potentilla reptans</i>        | Creeping Cinquefoil     | roadsides                        |
| <i>Prunus spinosa</i>            | Blackthorn              | Widely spread                    |
| <i>Pyrus pyraster</i>            | Wild Pear               | Camosciara                       |
| <i>Rosa canina</i> agg.          | Dog Rose                | Pescasseroli                     |
| <i>Rubus fruticosus</i> agg.     | Bramble                 | Widely spread                    |
| <i>Sanguisorba minor</i>         | Salad Burnet            | stony, open sites, widely spread |
| <i>Sorbus aria</i>               | Whitebeam               | Camosciara                       |
| <i>Sorus aucuparia</i>           | Rowan                   | Val Fondillo                     |
| <b>Rubiaceae</b>                 | <b>Bedstraw family</b>  |                                  |
| <i>Cruciata laevipes</i>         | Crosswort               | Barrea                           |
| <i>Galium aparine</i>            | Goosegrass              | widely spread                    |
| <i>Galium mollugo</i>            | Hedge Bedstraw          | roadsides                        |
| <i>Galium odoratum</i>           | Woodruff                | Camosciara                       |
| <i>Galium verum</i>              | Lady's Bedstraw         | not in flower                    |
| <i>Sherardia arvensis</i>        | Field Madder            | Barrea                           |
| <b>Salicaceae</b>                | <b>Willow family</b>    |                                  |
| <i>Populus nigra</i> agg.        | Black Poplar            | nr Pescasseroli                  |
| <i>Populus tremula</i>           | Aspen                   | nr Pescasseroli                  |
| <i>Salix alba</i>                | White Willow            | nr most rivers and streams       |
| <i>Salix caprea</i>              | Goat Willow             | nr Pescasseroli                  |
| <i>Salix purpurea</i>            | Purple Willow           | Val Fondillo                     |
| <b>Saxifragaceae</b>             | <b>Saxifrage family</b> |                                  |
| <i>Saxifraga bulbifera</i>       | Bulbous Saxifrage       | Val Fondillo                     |
| <i>Saxifraga granulata</i>       | Meadow Saxifrage        | Camosciara, Val Fondillo         |
| <i>Saxifraga porophylla</i>      | Reddish Saxifrage       | Val Fondillo, Val de Rose        |
| <i>Saxifraga rotundifolia</i>    | Round-leaved Saxifrage  | Pesco di Lordo                   |
| <i>Saxifraga tridactylites</i>   | Rue-leaved Saxifrage    | Castel Mancino                   |
| <b>Scrophulariaceae</b>          | <b>Figwort family</b>   |                                  |
| <i>Cymbalaria muralis</i>        | Ivy-leaved Toadflax     | widely spread on rocks and walls |
| <i>Euphrasia</i> agg.            | Eyebrights              | Barrea                           |
| <i>Linaria purpurea</i>          | Purple Toadflax         | Barrea                           |
| <i>Parentucellia latifolia</i>   | Southern Red Bartsia    | Val Fondillo                     |
| <i>Pedicularis haccuetii</i>     | a Leafy Lousewort       | Camosciara                       |
| <i>Rhinanthus alectorolophus</i> | a Greater Yellow Rattle | Val Fondillo                     |
| <i>Rhinanthus minor</i>          | Yellow Rattle           | widely spread in meadows         |
| <i>Scrophularia canina</i>       | French Figwort          | Barrea                           |
| <i>Scrophularia vernalis</i>     | Yellow Figwort          | Pesco di Lordo                   |
| <i>Verbascum thapsus</i>         | Aaron's Rod             | in tight bud only, roadsides     |
| <i>Veronica beccabunga</i>       | Brooklime               | Camosciara                       |
| <i>Veronica chamaedrys</i>       | Germander Speedwell     | Camosciara                       |
| <i>Veronica montana</i>          | Wood Speedwell          | Camosciara                       |
| <i>Veronica officinalis</i>      | Heath Speedwell         | Val Fondillo                     |

| Scientific name   | English Name   | Location and comments   |
|---|--|---|
| Veronica serpyllifolia<br>Veronica prostrata  | Thyme-leaved Speedwell<br>an alpine Speedwell  | Val Fondillo<br>Pesco di Lordo  |
| <b>Thymeleaceae</b><br>Daphne laureola  | <b>Daphne family</b><br>Spurge Laurel  | Camosciara  |
| <b>Tiliaceae</b><br>Tilia platyphyllos  | <b>Lime family</b><br>Large-leaved Lime  | Pescasseroli  |
| <b>Ulmaceae</b><br>Ulmas glabra   | <b>Elm family</b><br>Wych Elm  | widespread  |
| <b>Valerianaceae</b><br>Valeriana tuberosa<br>Valerianella locusta  | <b>Valerian family</b><br>Tuberous Valerian<br>Common Cornsalad  | Val Fondillo<br>Castel Mancino  |
| <b>Violaceae</b><br>Viola arvensis<br>Viola canina<br>Viola riviniana<br>Viola tricolor ssp subalpina   | <b>Violet family</b><br>Field Pansy<br>Heath Dog Violet<br>Common Dog Violet<br>an upland Heartsease   | Pescasseroli, nr hotel<br>Monte Godi<br>woodlands, widespread<br>Val de Rose  |
| <b>Liliidae - Monocotyledons</b>  |  |   |
| <b>Araceae</b><br>Arum italicum ssp neglectum<br>Arum maculatum   | <b>Arum family</b><br>Large Cuckoo Pint<br>Cuckoo Pint   | Camosciara<br>Pescasseroli  |
| <b>Dioscoreaceae</b><br>Tamus communis  | <b>Yam family</b><br>Black Bryony  | Camosciara  |
| <b>Iridaceae</b><br>Crocus vernus<br>Iris marsica   | <b>Iris family</b><br>Spring Crocus<br>Marsican Iris   | Val de Rose<br>leaves only  |
| <b>Liliaceae</b><br>Allium saxatile<br>Allium vineale<br>Colchicum autumnale<br>Convallaria majus<br>Muscari comosum<br>Muscari neglectum<br>Ornithogalum angustifolium<br>Paris quadrifolia<br>Polygonatum multiflorum<br>Scilla bifolia<br>Veratrum album | <b>Lily family</b><br>Rock Onion<br>Crow Garlic<br>Autumn Crocus<br>Lily-of-the-valley<br>Tassel Hyacinth<br>Dark Grape Hyacinth<br>Common Star of Bethlehem<br>Herb Paris<br>Solomon's Seal<br>Alpine Squill<br>White False Helleborine | Val de Rose<br>Barrea<br>leaves only<br>leaves only<br>nr Hotel<br>widespread in grassy areas<br>Barrea, Castel Mancino<br>Camosciara<br>Val Fondillo<br>Val de Rose<br>leaves only |
| <b>Orchidaceae</b><br>Cephalanthera damasonium<br>Cephalanthera longifolia<br>Corallorhiza trifida<br>Cypripedium calceolus   | <b>Orchid family</b><br>White Helleborine<br>Sword-leaved Helleborine<br>Coralroot Orchid<br>Lady's Slipper Orchid   | gardens by Hotel<br>Camosciara<br>Camosciara<br>Camosciara  |

| Scientific name                     | English Name                | Location and comments          |
|-------------------------------------|-----------------------------|--------------------------------|
| <i>Dactylorhiza fuchsii</i>         | Common Spotted Orchid       | widespread                     |
| <i>Dactylorhiza sambucina</i> -dark | Elder-flowered Orchid       | Monte Godi                     |
| <i>D. sambucina</i> - yellow        | Elder-flowered Orchid       | Monte Godi                     |
| <i>Epipactis helleborine</i>        | Broad-leaved Helleborine    | leaves only                    |
| <i>Gymnadenia conopsea</i>          | Fragrant Orchid             | orchid slopes nr Gioia Vecchio |
| <i>Himantoglossum adriaticum</i>    | Adriatic Lizard Orchid      | Barrea, Castel Mancino         |
| <i>Neottia ovata</i>                | Twayblade Orchid            | Camosciara                     |
| <i>Neottia nidus-avis</i>           | Bird's-nest Orchid          | Camosciara                     |
| <i>Ophrys fuciflora</i>             | Late Spider Orchid          | Lago Barrea                    |
| <i>Ophrys dinarica</i>              | form of Late Spider Orchid  | Lago Barrea                    |
| <i>Ophrys sphegodes</i>             | Early Spider Orchid         | nr Gioia Vecchio               |
| <i>Ophrys scolopax</i>              | Woodcock Orchid             | Lago Barrea                    |
| <i>Orchis anthropophora</i>         | Man Orchid                  | nr Monte Godi                  |
| <i>Orchis mascula</i>               | Early Purple Orchid         | roadsides and grassy slopes    |
| <i>Orchis militaris</i>             | Military Orchid             | Val Fondillo                   |
| <i>Orchis morio</i>                 | Green-winged Orchid         | nr Hotel                       |
| <i>Orchis ovalis</i>                | form of Early Purple Orchid | nr Gioia Vecchio               |
| <i>Orchis pallens</i>               | Pale-flowered Orchid        | Monte Godi                     |
| <i>Orchis pauciflora</i>            | Sparse-flowered Orchid      | orchid slopes nr Gioia Vecchio |
| <i>Orchis purpurea</i>              | Lady Orchid                 | Camosciara                     |
| <i>Orchis tridentata</i>            | Toothed Orchid              | Val Fondillo                   |
| <i>Orchis ustulata</i>              | Burnt Orchid                | nr Gioia Vecchio               |

**Poaceae**

|  | Grass family            |            |
|--|-------------------------|------------|
| <i>Briza media</i>                     | Quaking Grass           | Barrea     |
| <i>Dactylis glomerata</i>              | Cock's-foot Grass       | widespread |
| <i>Melica uniflora</i>                 | Wood Melick             | Camosciara |
| <i>Poa bulbosa</i> ssp <i>vivipara</i> | Viviparous Meadow-grass | widespread |

**Lichens of note:**

|                           |                    |                |
|---------------------------|--------------------|----------------|
| <i>Lobaria pulmonaria</i> | Tree Lungwort      | Pesco di Lordo |
| <i>Peltigera canina</i>   | Dog's-tooth Lichen | Val Fondillo   |

**Birds** (✓ = recorded but not counted; h=heard only)

|    | Common name               | Scientific name           | May/June |    |   |   |   |   |   |   |
|----|---------------------------|---------------------------|----------|----|---|---|---|---|---|---|
|    |                           |                           | 30       | 31 | 1 | 2 | 3 | 4 | 5 | 6 |
| 1  | Mallard                   | <i>Anas platyrhynchos</i> |          |    | ✓ |   | ✓ |   |   |   |
| 2  | Great Crested Grebe       | <i>Podiceps cristatus</i> |          |    |   |   | ✓ |   |   |   |
| 3  | Grey Heron                | <i>Ardea cinerea</i>      |          |    | ✓ |   |   |   |   |   |
| 4  | Golden Eagle              | <i>Aquila circaetos</i>   |          |    |   |   | 2 | 2 | 3 |   |
| 5  | Short-toed Eagle          | <i>Circaetus gallicus</i> |          |    |   |   |   |   | ✓ |   |
| 6  | Common Buzzard            | <i>Buteo buteo</i>        |          | ✓  |   |   |   | ✓ | ✓ | ✓ |
| 7  | Peregrine Falcon          | <i>Falco peregrinus</i>   |          |    |   | ✓ |   |   | ✓ |   |
| 8  | Eurasian Coot             | <i>Fulica atra</i>        |          |    |   |   | ✓ |   |   |   |
| 9  | Rock Dove/Feral Pigeon    | <i>Columba livia</i>      | ✓        | ✓  |   |   | ✓ | ✓ | ✓ | ✓ |
| 10 | Common Wood Pigeon        | <i>Columba palumbus</i>   |          |    |   |   | ✓ | ✓ | ✓ |   |
| 11 | Common Cuckoo             | <i>Cuculus canorus</i>    | h        | h  |   |   | ✓ | ✓ | ✓ |   |
| 12 | Common Swift              | <i>Apus apus</i>          |          |    |   | ✓ | ✓ |   | ✓ | ✓ |
| 13 | Eurasian Hoopoe           | <i>Upupa epops</i>        |          | h  |   | ✓ | h | h | ✓ |   |
| 14 | European Bee-eater        | <i>Merops apiaster</i>    |          |    |   |   | 1 |   |   |   |
| 15 | European Green Woodpecker | <i>Picus viridis</i>      |          |    |   |   |   | h | h |   |
| 16 | Middle Spotted Woodpecker | <i>Dendrocopos media</i>  |          |    |   |   | ✓ |   |   |   |



|    | Common name               | Scientific name                  | May/June |    |   |   |   |   |   |   |
|----|---------------------------|----------------------------------|----------|----|---|---|---|---|---|---|
|    |                           |                                  | 30       | 31 | 1 | 2 | 3 | 4 | 5 | 6 |
| 17 | Eurasian Wryneck          | <i>Jynx torquilla</i>            | h        | h  |   | ✓ | h | h | ✓ | h |
| 18 | Common Skylark            | <i>Alauda arvensis</i>           |          |    |   |   | ✓ |   |   |   |
| 19 | Barn Swallow              | <i>Hirundo rustica</i>           | ✓        | ✓  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 20 | Common House Martin       | <i>Delichon urbica</i>           |          |    | ✓ | ✓ | ✓ | ✓ | ✓ |   |
| 21 | Water Pipit               | <i>Anthus spinoletta</i>         |          |    |   | ✓ |   |   |   |   |
| 22 | White Wagtail             | <i>Motacilla alba</i>            |          | ✓  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 23 | Grey Wagtail              | <i>Motacilla cinerea</i>         |          | ✓  | ✓ |   |   | ✓ |   |   |
| 24 | White-throated Dipper     | <i>Cinclus cinclus</i>           |          | ✓  |   |   |   |   |   |   |
| 25 | European Robin            | <i>Erithacus rubecula</i>        |          |    | ✓ | ✓ | ✓ | ✓ | ✓ |   |
| 26 | Common Nightingale        | <i>Luscinia megarhynchos</i>     |          |    |   |   | h | h | h |   |
| 27 | Common Redstart           | <i>Phoenicurus phoenicurus</i>   |          | ✓  | ✓ | ✓ | ✓ | ✓ | ✓ |   |
| 28 | Black Redstart            | <i>Phoenicurus ochruros</i>      |          | ✓  | ✓ | ✓ | ✓ | ✓ | ✓ |   |
| 29 | Northern Wheatear         | <i>Oenanthe oenanthe</i>         |          |    |   | ✓ |   | ✓ |   |   |
| 30 | Common Stonechat          | <i>Saxicola torquata</i>         |          |    |   |   |   | ✓ | ✓ |   |
| 31 | Song Thrush               | <i>Turdus philomelos</i>         |          |    | ✓ | ✓ | ✓ | ✓ | ✓ |   |
| 32 | Mistle Thrush             | <i>Turdus viscivorus</i>         |          |    | ✓ |   | ✓ |   |   |   |
| 33 | Common Blackbird          | <i>Turdus merula</i>             |          | ✓  | ✓ | ✓ |   | ✓ | ✓ |   |
| 34 | Garden Warbler            | <i>Sylvia borin</i>              |          |    | ✓ |   | ✓ |   |   |   |
| 35 | Blackcap                  | <i>Sylvia atricapilla</i>        |          | ✓  | ✓ | ✓ | ✓ | ✓ | ✓ |   |
| 36 | Common Whitethroat        | <i>Sylvia communis</i>           |          |    |   | ✓ |   |   |   |   |
| 37 | Willow Warbler            | <i>Phylloscopus trochilus</i>    |          | ✓  |   |   |   |   |   |   |
| 38 | Wood Warbler              | <i>Phylloscopus sibilatrix</i>   |          |    |   | ✓ |   |   | ✓ |   |
| 39 | Western Bonelli's Warbler | <i>Phylloscopus bonelli</i>      |          | ✓  | ✓ | ✓ |   | h | ✓ |   |
| 40 | Common Chiffchaff         | <i>Phylloscopus collybita</i>    |          | ✓  |   | ✓ | ✓ | ✓ | ✓ |   |
| 41 | Goldcrest                 | <i>Regulus regulus</i>           |          |    |   |   |   | ✓ |   |   |
| 42 | Firecrest                 | <i>Regulus ignicapillus</i>      | h        | h  |   | ✓ |   | ✓ | h |   |
| 43 | Great Tit                 | <i>Parus major</i>               |          | ✓  | ✓ | ✓ | ✓ | ✓ | ✓ |   |
| 44 | Coal Tit                  | <i>Parus ater</i>                |          |    |   |   |   | ✓ |   |   |
| 45 | European Blue Tit         | <i>Cyanistes caeruleus</i>       |          | ✓  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 46 | Marsh Tit                 | <i>Poecile palustris</i>         |          |    |   | ✓ | ✓ | ✓ | ✓ |   |
| 47 | Eurasian Nuthatch         | <i>Sitta europaea</i>            |          | ✓  |   |   |   |   | ✓ |   |
| 48 | Short-toed Treecreeper    | <i>Certhia brachydactyla</i>     |          |    |   |   |   | ✓ | ✓ |   |
| 49 | Red-backed Shrike         | <i>Lanius collurio</i>           |          |    | ✓ |   | ✓ | ✓ | ✓ |   |
| 50 | Common Magpie             | <i>Pica pica</i>                 | ✓        | ✓  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 51 | Eurasian Jay              | <i>Garrulus glandarius</i>       |          |    |   | ✓ | ✓ |   |   |   |
| 52 | Western Jackdaw           | <i>Corvus monedula</i>           |          |    |   |   | ✓ |   |   |   |
| 53 | Red-billed Chough         | <i>Pyrrhocorax pyrrhocorax</i>   |          |    |   | ✓ | ✓ |   |   |   |
| 54 | Hooded Crow               | <i>Corvus cornix</i>             | ✓        | ✓  | ✓ | ✓ | ✓ | ✓ | ✓ |   |
| 55 | Common Starling           | <i>Sturnus vulgaris</i>          |          | ✓  | ✓ | ✓ | ✓ |   |   |   |
| 56 | Italian Sparrow           | <i>Passer domesticus italiae</i> | ✓        | ✓  | ✓ | ✓ | ✓ | ✓ | ✓ |   |
| 57 | Eurasian Tree Sparrow     | <i>Passer montanus</i>           | ✓        | ✓  | ✓ | ✓ | ✓ | ✓ | ✓ |   |
| 58 | Common Chaffinch          | <i>Fringilla coelebs</i>         |          | ✓  | ✓ | ✓ | ✓ | ✓ | ✓ |   |
| 59 | Common Linnet             | <i>Acanthus cannabina</i>        |          | ✓  |   |   |   | ✓ |   |   |
| 60 | European Goldfinch        | <i>Carduelis carduelis</i>       |          |    | ✓ | ✓ | ✓ | ✓ | ✓ |   |
| 61 | European Greenfinch       | <i>Chloris chloris</i>           |          |    |   |   |   | ✓ |   |   |
| 62 | European Serin            | <i>Serinus serinus</i>           |          | ✓  | ✓ | ✓ | ✓ | ✓ | ✓ |   |
| 63 | Common Crossbill          | <i>Loxia curvirostra</i>         |          |    |   | ✓ |   |   |   |   |
| 64 | Yellowhammer              | <i>Emberiza citrinella</i>       |          | h  | ✓ |   | ✓ | ✓ | ✓ |   |
| 65 | Cirl Bunting              | <i>Emberiza cirillus</i>         |          | h  |   | h | ✓ | ✓ | ✓ |   |

|  | Common name | Scientific name | May/June |    |   |   |   |   |   |   |
|--|-------------|-----------------|----------|----|---|---|---|---|---|---|
|  |             |                 | 30       | 31 | 1 | 2 | 3 | 4 | 5 | 6 |

## Mammals (D =dead)

|    |                             |                                   |  |   |   |   |   |   |   |  |
|----|-----------------------------|-----------------------------------|--|---|---|---|---|---|---|--|
| 1  | Red Fox                     | <i>Vulpes vulpes</i>              |  | ✓ |   |   | ✓ |   |   |  |
| 2  | Marsican Brown Bear         | <i>Ursus arctos marsicanus</i>    |  | ✓ |   |   |   | ✓ |   |  |
| 3  | Red Deer                    | <i>Cervus elaphus</i>             |  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |  |
| 4  | Roe Deer                    | <i>Capreolus capreolus</i>        |  |   | ✓ |   | ✓ | ✓ | ✓ |  |
| 5  | Apennine or Abruzzo Chamois | <i>Rupicapra pyrenaica ornata</i> |  |   |   | ✓ |   |   |   |  |
| 6  | Wild Boar                   | <i>Sus scrofa</i>                 |  |   |   |   |   | ✓ |   |  |
| 7  | Red Squirrel                | <i>Sciurus vulgaris</i>           |  |   |   | ✓ |   |   |   |  |
| 8  | Apennine Wolf               | <i>Canis lupus italicus</i>       |  |   | D |   |   | ✓ |   |  |
| 9  | Western Hedgehog            | <i>Erinaceus europaeus</i>        |  |   | ✓ |   |   |   |   |  |
| 10 | Brown Hare                  | <i>Lepus europaeus</i>            |  |   | ✓ |   |   | ✓ |   |  |
| 11 | Snow Vole                   | <i>Microtus nivalis</i>           |  |   | ✓ |   |   |   |   |  |
| 12 | Pine Vole                   | <i>Pitymys subteraneus</i>        |  |   |   | ✓ |   |   |   |  |
| 13 | A Myotis Bat                | <i>Myotis spp</i>                 |  |   |   |   |   |   | ✓ |  |

## Reptiles &amp; Amphibians

|   |                     |                         |  |  |  |   |   |   |  |  |
|---|---------------------|-------------------------|--|--|--|---|---|---|--|--|
| 1 | Common Wall Lizard  | <i>Podarcis muralis</i> |  |  |  | ✓ |   | ✓ |  |  |
| 2 | Italian Wall Lizard | <i>Podarcis sicula</i>  |  |  |  | ✓ | ✓ | ✓ |  |  |

## Butterflies

|    |                             |                               |  |  |   |   |   |   |   |  |
|----|-----------------------------|-------------------------------|--|--|---|---|---|---|---|--|
| 1  | Dingy Skipper               | <i>Erynnis tages</i>          |  |  |   | ✓ |   |   | ✓ |  |
| 2  | Clouded Apollo              | <i>Parnassius mnemosyne</i>   |  |  |   | ✓ |   |   |   |  |
| 3  | Scarce Swallowtail          | <i>Iphiclides podalirius</i>  |  |  |   | ✓ |   | ✓ |   |  |
| 4  | Wood White                  | <i>Leptidea sinapis</i>       |  |  |   | ✓ |   |   | ✓ |  |
| 5  | Large White                 | <i>Pieris brassicae</i>       |  |  |   |   |   |   | ✓ |  |
| 6  | Small White                 | <i>Pieris rapae</i>           |  |  |   | ✓ | ✓ | ✓ | ✓ |  |
| 7  | Southern Small White        | <i>Pieris manni</i>           |  |  |   |   | ✓ |   | ✓ |  |
| 8  | Orange Tip                  | <i>Anthocharis cardamines</i> |  |  |   |   |   |   | ✓ |  |
| 9  | Berger's Clouded Yellow     | <i>Colias alfacariensis</i>   |  |  |   | ✓ | ✓ |   | ✓ |  |
| 10 | Clouded Yellow              | <i>Colias crocea</i>          |  |  |   | ✓ |   | ✓ |   |  |
| 11 | Cleopatra                   | <i>Gonepteryx cleopatra</i>   |  |  |   |   |   |   | ✓ |  |
| 12 | Duke of Burgundy Fritillary | <i>Hamearis lucina</i>        |  |  |   | ✓ |   |   |   |  |
| 13 | Green-underside Blue        | <i>Glaucopsyche alexis</i>    |  |  |   |   |   |   | ✓ |  |
| 14 | Common Blue                 | <i>Polyommatus icarus</i>     |  |  |   |   | ✓ | ✓ |   |  |
| 15 | Adonis Blue                 | <i>Lysandra bellargus</i>     |  |  |   |   | ✓ | ✓ | ✓ |  |
| 16 | Brown Argus                 | <i>Aricia agestis</i>         |  |  | ✓ |   |   | ✓ | ✓ |  |
| 17 | Red Admiral                 | <i>Vanessa atalanta</i>       |  |  |   | ✓ |   |   |   |  |
| 18 | Painted Lady                | <i>Vanessa cardui</i>         |  |  |   |   | ✓ |   |   |  |
| 19 | Glanville Fritillary        | <i>Melitaea cinxia</i>        |  |  |   | ✓ |   |   |   |  |
| 20 | Knapweed Fritillary         | <i>Melitaea phoebe</i>        |  |  |   |   |   | ✓ | ✓ |  |
| 21 | Heath Fritillary            | <i>Melicta athalia</i>        |  |  |   | ✓ |   |   |   |  |
| 22 | Pearl-bordered Fritillary   | <i>Boloria euphrosyne</i>     |  |  |   | ✓ |   |   |   |  |
| 23 | Wall Brown                  | <i>Lasiommata megera</i>      |  |  |   | ✓ | ✓ |   | ✓ |  |
| 24 | Small Heath                 | <i>Coenonympha pamphilus</i>  |  |  |   | ✓ | ✓ |   |   |  |
| 25 | Meadow Brown                | <i>Maniola jurtina</i>        |  |  |   |   |   |   |   |  |

|  | Common name | Scientific name | May/June |    |   |   |   |   |   |   |
|--|-------------|-----------------|----------|----|---|---|---|---|---|---|
|  |             |                 | 30       | 31 | 1 | 2 | 3 | 4 | 5 | 6 |

Moths

|   |                        |                                 |  |  |  |   |   |   |   |  |
|---|------------------------|---------------------------------|--|--|--|---|---|---|---|--|
| 1 | Transparent Burnet     | <i>Zygaena purpuralis</i>       |  |  |  |   |   |   |   |  |
| 2 | Speckled Yellow        | <i>Pseudopanthera macularia</i> |  |  |  | ✓ |   |   |   |  |
| 3 | Hummingbird Hawk-moth  | <i>Macroglossum stellatarum</i> |  |  |  | ✓ | ✓ | ✓ | ✓ |  |
| 4 | Burnet Companion       | <i>Euclidia glyphica</i>        |  |  |  |   | ✓ |   |   |  |
| 5 | Cream-spot Tiger       | <i>Arctia villica</i>           |  |  |  |   | ✓ |   |   |  |
| 6 | Forester Moth          | <i>Adscita spp.</i>             |  |  |  | ✓ |   |   |   |  |
| 7 | A Burnet Moth          | <i>Zygaena carnollica</i>       |  |  |  |   | ✓ |   |   |  |
| 8 | Chimney Sweeper (moth) | <i>Odezia atrata</i>            |  |  |  | ✓ |   |   |   |  |

Other Invertebrates

|   |                      |                               |  |  |  |   |   |  |  |  |
|---|----------------------|-------------------------------|--|--|--|---|---|--|--|--|
| 1 | Roesels Bush Cricket | <i>Metrioptera roeselii</i>   |  |  |  | ✓ |   |  |  |  |
| 2 | Ascalaphid           | <i>Libelloides coccajus</i>   |  |  |  | ✓ |   |  |  |  |
| 3 | Carpenter Bee        | <i>Xylocopa violacea</i>      |  |  |  |   | ✓ |  |  |  |
| 4 | Ginger Bumble Bee    | <i>Bombus pascuorum</i>       |  |  |  | ✓ |   |  |  |  |
| 5 | Dor Beetle           | <i>Geotrupes stercorarius</i> |  |  |  |   |   |  |  |  |
| 6 | Rose Chafer          | <i>Cetonia aurata</i>         |  |  |  |   | ✓ |  |  |  |

Fish

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



Lady's Slipper Orchid



White form of Fragrant Orchid