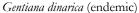
# The Apennines: Italy's Abruzzo National Park

Naturetrek Tour Report

25th May - 1st June 2023







Western Green Lizards



Zygaena oxytropis (endemic)



Red Deer at dawn

Tour report & images by Jessica Turner



Naturetrek Mingledown Barn

Wolf's Lane

Chawton

Alton

Hampshire

GU34 3HJ

UK

T: +44 (0)1962 733051

Tour participants: Jessica Turner and Paolo Iannica (leaders) with 12 Naturetrek clients.

## **Summary**

This year we were very fortunate with our large mammal sightings, with two excellent views of Grey Wolves enjoying the morning sun, as well as three different Marsican Brown Bears, two of them in the middle of the day! We made the most of the unusually unsettled weather, with fine mornings tempting us out early, while stormy afternoons allowed siestas. It did mean that we were not able to do the mountain walk, but we saw Abruzzo Chamois, albeit distantly, on Monte Marsicano, and caught up with many of the fantastic alpine flowers at Passo Godi, where the Spring Gentians were stunning. Our 'plan B' day was to visit the Roman site of Alba Fucens (usually an autumn destination for us) where the orchids were amazing, and we caught up with some warmth-preferring insects such as Ascalaphids and Yellow-banded Skipper. Interestingly, Wild Boar remained elusive all week, although we saw plenty of signs of their activity. We benefited from Paolo's local knowledge and expertise, especially about the large mammals, and from the enthusiasm and spotting skills of all the group members: thank you all. We certainly encountered some of the best of the very beautiful Abruzzo National Park!

#### Day 1

## Thursday 25th May

#### Fly Rome, transfer Pescasseroli

Seven group members met Jessica at Gatwick North Terminal for our 6.35am flight to Rome. Here we met with Paolo, our local leader from Pescasseroli, and the other five members who had travelled earlier. It took some time to sort out the vehicles, but we loaded up in warm sun and drove round the Rome ring-road, which was bright with Spanish Broom (*Spartium junceum*), Common Poppies (*Papaver rhoeas*) and Galactites (*Galactites tomentosa*). Hooded Crows and Common Swifts were seen, and a flock of Cattle Egrets were in a field. We stopped for lunch near Tivoli, enjoying tasty panini while Italian Sparrows hopped around.

The sky was very dark over the mountains, with dramatic lightning as we passed hilltop villages of the Apennine foothills, but generally we missed most of the storms. Where the motorway divided, we took the A25 south-east, past Avezzano and the flat plain, which was once Lake Fucino, the third largest in Italy but now a fertile agricultural area. We left the motorway at Pescina, dropping down into the village, where Swallows flew low along the streets, before climbing again into the hills. The road was lined with trees, mainly Downy Oak (*Quercus pubescens*) and then Beech (*Fagus sylvatica*), with bright Laburnums (*Laburnum anagyroides*) in flower. We entered the Abruzzo National Park, stopping for a leg stretch at Gioia Vecchio, where we could see the patchwork of forest, scrub and clearings. Cuckoos were calling and a Red Deer was browsing on the hillside opposite.

The rain came so we beat a hasty retreat, but it was only localised, and we drove down through the park to the little town of Pescasseroli and on to the Hotel Paradiso. We received a warm welcome from Sonia, Fabbio and

Martina and soon settled in to our rooms. We met again at 6.30pm when Paolo gave an introduction to the area and its wildlife, and Jessica outlined plans for the week. After a tasty dinner, we were all very ready for our beds.

# Day 2 Friday 26th May

#### Round hotel; Camosciara

We woke to a beautiful morning and most of the group were out at 7am to explore the surroundings of the hotel. House Martins and Tree Sparrows were nesting under the roof and Serins sang from the tops of trees, glowing yellow in the sun. We also had excellent views of Firecrest and puzzled over a distant, extremely pale Wheatear that was perched up facing us, so we could not see its back or tail: it was probably Northern. We also noted a few plants, including Sand and Italian Catchflies (*Silene conica* and *S. italica*) and some very fine Giant Red Dead-nettle (*Lamium garganicum*).

After a tasty breakfast, we set off at 9am to drive down the Sangro valley to Camosciara, in the heart of the National Park. We parked up and a scan of the mountains behind revealed a few Red Deer. We first explored an area of scrub and clearings with bushes of Common Juniper (Juniperus communis), Wild Pear (Pyrus), Blackthorn (Prunus spinosa) and St. Lucie's Cherry (Prunus mahaleh). Here, we found Twayblade (Neottia ovata), Common Globularia (Globularia bisnagarica) and Nice Milkwort (Polygala nicaeensis) among other species, but it was very muddy, and we soon returned to the path. Under the trees we found some fine Lady Orchids (Orchis purpurea), the form of Early Purple Orchid with drawn-out petals and sepals (Orchis mascula subsp. speciosa) and more Twayblades, along with Reflexed Crane's-bill (Geranium reflexum). Butterflies included Wood White, with its fluttery flight, a Pearl-bordered Fritillary which was nectaring on Bugle (Ajuga reptans), Scarce Swallowtail, and a Duke of Burgundy which was only seen briefly. We also noted Green Longhorn moths round a shrub, and Field Crickets provided a constant chorus, along with Common Chiffchaff, Eurasian Blackcap, Blackbird and Song Thrush. A Common Wall Lizard was basking on a stone pillar. As we reached a more open area we enjoyed the stunning scenery, and another hillside scan revealed a herd of about a hundred Red Deer.

Along the fast-flowing river Scerto, we found Bird's-nest Orchids (Neottia nidus-avis), Sword-leaved Helleborine (Cephalanthera longifolia), and there was Lady's-slipper Orchid (Cyprepedium calceolus) with two flowers, but only in bud. There was also Herb-Paris (Paris quadrifolia), Columbine (Aquilegia vulgaris), the leaves of Hepatica (Hepatica nobilis), Shrubby Milkwort (Polygaloides chamaebuxus) and Apennine Lungwort (Pulmonaria apennina). Large Stoneflies were flying clumsily. We enjoyed our picnic which included local wines and cheese (one being a Pecorino from the neighbouring village of Opi) with Monte Camosciara towering above us.

Refreshed, we then took a smaller path to two waterfalls, the Cascata de Tre Canale and the Cascata delle Ninfe, both of which were carrying a lot of water with the wet spring. En route we found a tiny spike of Coralroot Orchid (*Corallorhiza trifida*), the endemic Trumpet Gentian *Gentiana dinarica* and Bear's-ears (*Primula auricula*). We retraced our steps back down the valley, finding two lots of Wolf scat: one old, full of probable Hare hair, the other new with Wild Boar hair. Some of the group also saw a Red Squirrel, chocolate-brown here.

We returned in time for a break and to update our checklists. After an early dinner, we went out again at 7pm, to drive back up to Gioia Vecchio to scan for mammals. However, the valley was quiet, with several Red Deer stags, one hind and a couple of Roe Deer, one of which could be heard barking. We listened to the chorus of Cuckoos and Crickets as the sun set behind the mountains, agreeing it had been a great first day.

#### Day 3

#### Saturday 27th May

#### Ortona & Aschi / Gioia Vecchio; Val Fondillo

Some of the group were out at 5am with Paolo, driving down to the village of Ortona on the northern edge of the park. From a viewpoint in this hilltop village, they scanned the slopes opposite, seeing two or three Grey Wolves moving through the landscape. They were able to watch them for almost an hour as they enjoyed the morning sun. There were many Red Deer hinds in the area with fawns, but the Wolves were apparently ignoring them, although the deer were keeping watch on the carnivores. They also saw several Roe Deer and a Hare, probably a European Hare rather than Italian, a Turtle Dove and a Grey Heron. Meanwhile, Jessica took three group members out at 6am to Gioia Vecchio, which was again very quiet, but we enjoyed the morning sun on the stags and Roe Deer. We also saw Common Buzzard and two Northern Raven, and as we returned, we saw a Red Deer hind just by the road, and a Red-backed Shrike.

After a 9am breakfast, we left for our next destination of Val Fondillo, the valley next door to Camosciara, but very different. All seemed quiet on Monte Marsicano behind us, but at our feet were Green-winged Orchids (Anacamptis morio), Toothed Orchids (Neotinea tridentata) and Late Spider Orchids (Ophrys holosericea), and we also noted a Grass Eggar caterpillar. A steep and sunny slope produced Red-underwing Skipper and Adonis Blues among other butterflies, metallic green Rose Chafers and the large Violet Carpenter Bees, as well as more Late Spider Orchids. A meadow held Dark Grape Hyacinths (Muscari neglectum) and a black-and-red Hister Beetle species battling with a large beetle grub, while a wet area held Early Purple Orchids (Dactylorhiza incarnata) and a Duke of Burgundy butterfly. Plants on a bank included the pretty blue Speedwell Veronica orsiniana and Yellow Milkwort (Pohygala flavescens), both restricted to central Italy, and Ground Pine (Ajuga chamaepitys), which is very rare in the UK. We walked across the valley, noting many butterflies, including common and Berger's Clouded Yellows, Green Hairstreak, Dingy Skipper, Queen of Spain Fritillary, Painted Lady and Baton Blue, and plants including the delightful endemic Pansy Viola eugeniae, Hairy Broom (Chamaecytisus hirsutus), Meadow Saxifrage (Saxifraga granulata) and Hoary Rock-rose (Helianthemum canum). We were pleased to eat our picnics and rest in the shade of the trees, with Western Bonelli's Warbler singing. Nearby were some beautiful Trumpet Gentians, but sadly, we were unable to locate the usual Red-backed Shrikes.

We dropped down to the main path by the river, with a large boulder holding the endemic Reddish Saxifrage (Saxifraga porophylla), and nearby we found Military Orchid (Orchis militaris) just coming out. Colorado Beetle was on Deadly Nightshade (Atropa belladonna). We crossed the stream on the new suspension bridge (the old bridge having been washed away) and explored the meadows on the other side, enjoying their beauty and the scent of Horseshoe Vetch (Hippocrepis comosa). We watched a pair of Western Green Lizards under a bush, noting the male's

blue throat. Feeling fairly tired after our early start, we were pleased to retrace our steps and refresh ourselves with cold drinks and ice creams before returning to the hotel.

After a break we met on the sun terrace to update our checklists, with a Wryneck calling nearby.

# Day 4 Sunday 28th May

Val Fondillo; La Difesa and Vallone Pesco di Lordo

The weather forecast today was for a fine morning with storms later, so we wanted to make the best of the good weather. Accordingly, most of the group were out at 5.15am to drive back to Val Fondillo, to scan the slopes of Monte Marsicano. There was thick mist around Opi, so we were unable to see the meadows there, but the mountains were clear, although the light was quite difficult. We had some poor views of Apennine (also known as Abruzzo) Chamois grazing high on the slopes, when Paolo saw movement further down – a Marsican Brown Bear! It was large and quite pale, a female, walking slowly and moving across the mountain, sometimes disappearing behind vegetation but then reappearing, and we were able to watch her for some time. Wonderful! As the sun lit the mountain, we saw some of the Chamois silhouetted against the horizon, with much clearer, though very distant views. Birds included Common Redstart, White Wagtail, Mallard and Heron. We moved on to scan from Opi plains, with the mist having burnt off. Here we saw Red Deer hinds with fawns, heard a very close Roe buck and listened to, but could not locate, Corn Bunting. We returned to the hotel for breakfast at 8.30am.

After breakfast, we took the short drive to La Difesa, the ancient Beech forest near to the hotel. As we left the vehicles, we had lovely views of a Red-backed Shrike, and a sunny bank held Glanville Fritillary, Dingy Skipper, Small Heath and Common Blue. Two Hoopoes could be heard calling but were not seen. Under the trees we noted Sweet Woodruff (*Galium odoratum*), Snowdrop leaves and seed capsules (*Galanthus nivalis*) and Round-leaved Saxifrage (*Saxifraga rotundifolia*), among other species, and Coralroot Bitter-cress (*Cardamine bulbifera*) was flowering well. We enjoyed the light filtering through the new green Beech foliage and the mosses and ferns covering the roots and rocks. At water troughs in an open area, Paolo explained about the *transumanza*, when shepherds took the sheep down to Puglia for the winter months. A Blue Tit was nesting in a hole in a wall.

We turned off the main track into the Vallone Pesco di Lordo, which opened out to give views of the mountains. Here we found the endemic Marsican Iris (*Iris marsica*) flowering beautifully, along with the pretty, large flowered, Crane's-bill *Geranium austroapenninum*. Another Western Green Lizard was under a bush, and Red-backed Shrike was seen more distantly. As we walked back down, the black clouds were building, and most of us just reached the vehicles as the rain started. We returned to the hotel for the picnic as the rain beat down outside. Afterwards, most retired for a siesta, with a free afternoon, some venturing out as the rain eased. We met indoors at 6.30pm to update our lists and enjoy another tasty meal before an early night.

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# Day 5

# Monday 29th May

Villalago; Scanno; Passo Godi; Lago di Barrea

One of the 'confident' bears, Amarena, has two cubs this year and has been coming out into the meadows just on the edge of the village of Villalago. She is particularly monitored as she does go into villages; the positive side to this behaviour is that it protects the cubs from the dangers of any male bear, which could attack them. This morning we all left at 5am, for the 1½-hour drive down the Sangro valley to Villetta Barrea, over Passo Godi and through Scanno. We turned off by the Lago di Scanno to take the back road into Villalago, seeing good numbers of Red Deer. We parked and walked to a viewing area on the edge of the village, overlooking the meadows. Nightingale was singing loudly amidst the other birds, and we had good views of Black Redstart. We had a packed breakfast which we enjoyed in the morning sun. However, although we waited for over two hours, there was no sign of the bears. (The previous days she had usually come out about 8am, but that day she chose to appear at 3.30pm.) Having bought bread hot from the oven from the little bakery opposite the parking area, we drove back round the lake and up to Scanno. Here there was time for coffee and the explore this charming town, while the leaders shopped for the rest of the picnic.

We regrouped to drive back up to the Passo Godi, at 1630 metres above sea level. Here we explored the track and the adjacent hill slopes, enjoying the fact that the forecast rain had not yet materialised. On the lower slopes was the endemic Spurge Euphorbia gasparrinii subsp. samniticum, while higher up we started to find alpine species, including the beautiful blue Spring Gentians (Gentiana verna), the endemic species of Alpine Wood Forget-me-not Myosotis gravi, the endemic blue Tenore's Bugle (Ajuga tenorei), the leaves of the endemic Achillea virescens subsp. tenorei, the yellow endemic Cinquefoil Potentilla rigoana, pink Tuberous Valerian (Valeriana tuberosa), blue Mountain Milkwort (Polygala alpestris), Daphne oleoides, not yet in flower, and many others. There were orchids here too: the lemon-yellow Pale-flowered Orchid (Orchis pallens) and Elder-flowered Orchids (Dactylorhiza sambucina) in both magenta and lemon, with one flower spike an intermediate salmon colour. Birds included Yellowhammer, Rock Bunting, a probable Blue Rock Thrush and a possible Eastern Black-eared Wheatear, which disappeared before identification could be confirmed. Some scrambled up the adjacent slope, finding Burnt Orchids (Neotinea ustulata), a spike of Early Spider Orchid (Ophrys sphegodes) and Sparse-flowered Orchid (Orchis pauciflora), as well as the tiny Paronychia kapela, with its silvery bracts like little finger nails. A notable butterfly was Provence Orange Tip. The sky was very dark to the south and thunder was rumbling, so we made a hasty retreat to the vehicles. There had been recent heavy rain as we drove on, but we were fortunate and were able to stop to look at a road bend which added Man Orchids (Orchis anthropophora) as well as the Milkwort Polygala major and more Late Spider Orchids.

We drove down to the Lago di Barrea and along to the bridge across the water, stopping at a bar on the waterside where the owner kindly gave us permission to have our picnic under cover. We enjoyed the usual delicious spread (a really juicy melon today), and bought coffees etc. We also took time to explore the area, noting the Carp in the lake and finding White Helleborine (*Cephalanthera damasonium*) flowering well and a Provençal Short-tailed Blue butterfly. We arrived back at the hotel at 3pm, again seeing evidence of recent torrential rain, although it was now

fine. The rest of the afternoon was free, and some walked into town or up the hill behind the hotel, seeing Honey Buzzard and hearing Wryneck. We met again at 6.30pm to update the lists and had dinner at 7.30pm.

#### Day 6

## **Tuesday 30th May**

Il Templo; Alba Fucens; Petrella Liri

Due to the very unsettled weather, we were not able to do the mountain walk in the Val di Rose, so instead today, we descended to the plain, which was Lake Fucino, to visit the Roman site of Alba Fucens, north of Avezzano. We had a relative lie-in this morning, with breakfast at 7am and a departure at 8am, again to make the most of the fine weather before the forecast lunchtime rain. We drove up the valley from Pescasseroli, taking the road towards Bisegna. Our first stop was at the meadows called Il Templo, where Turtle Dove and Skylark were heard, and Corn Bunting was seen. On the meadow edge were swathes of Early Purple Orchids (*Orchis mascula* subsp. *speciosa*), but closer inspection showed that some of them had a yellow centre to the lip with red spots, and one was pale salmon-coloured, showing hybridisation with Sparse-flowered Orchids (*Orchis pauciflora*), although we didn't see any of the latter in flower (they tend to be a little later). The hybrids are recognised as *Orchis x colemanii*.

We carried on down through the villages, passing Ortona, from where we had seen the Wolves, through Pescina and across the plain, seeing Common Buzzard en route. We then turned north to reach Alba Fucens. We parked in the little square and started to explore the route towards the amphitheatre. There was a mass of Sainfoin (Onobrychis viciifolia) which was alive with butterflies, mainly Silver-studded Blues, and also Spotted Fritillaries. We also saw Small Copper, Marsh Fritillary, Common and Adonis Blues. Orchids here included some fine Adriatic Lizard Orchids (Himantoglossum adriaticum), Dark Ophrys (Ophrys sphegodes subsp. atrata), and Early and Late Spider Orchids (Ophrys sphegodes and O. holosericea), while other plants included Bean Broomrape (Orobanche crenata) and Bedstraw Broomrape (O. caryophyllacea). The hedges included St. Lucie's Cherry (Prunus mahaleb) with webs of Orchard Ermine caterpillars, and Spindle (Euonymus europaea), with webs of Spindle Ermine caterpillars. We eventually made our way to the well-preserved amphitheatre, and Paolo explained a little of the history of this Roman border town. An area of ruined buildings nearby was a mass of Wild Thyme (Thymus oenipontanus), with many spikes of Thyme Broomrape (Orobanche alba), as well as Yellow Milkwort (Polygala flavescens), with Green Hairstreak and Berger's Clouded Yellow butterflies, and an endemic Burnet moth Zygaena oxytropis. As we walked around the top of the amphitheatre, we noted Italian Wall Lizard, some enormous dark earthworms and the strange-looking insects Ascalaphids, as well as a spike of Rampion Bellflower (Campanula rapunculus), Musk Thistle (Carduus nutans) and Woad (Isatis tinctoria).

Dropping down behind the amphitheatre, the rough ground held another abundance of orchids, with Man Orchid (Orchis anthropophora) and Bertoloni's Bee Orchid (Ophrys bertolonii) being new for the day, along with a spike of Lesser Butterfly Orchid (Platanthera bifolia). Butterflies here included Yellow-banded Skipper (a new species for the trip) and Turquoise Blue. We slowly made our way back round, hearing Bee-eaters but not seeing them. There was then time to explore the other section of ruins, with streets and more buildings. Nightingale was heard and Black Redstart seen well, among the birds. The owner of the café in the square kindly let us eat our picnic under the

outside awning, which we were glad to do as, almost as soon as we got there, the heavens opened, torrential rain fell, and thunder crashed overhead.

Eventually it became lighter, and we headed for the minibuses to drive to our next destination, some cliffs near Petrella Liri. Griffon Vultures, having been reintroduced to the Sirente-Velino National Park to the north, have naturally expanded their range here, with a breeding colony of 15+ birds. It was still raining, but quite lightly, and we were able to shelter under the tailgate doors of the minibuses. Most of the birds were facing inwards, sheltering from the rain, but we had some good views, especially when a couple of the birds took flight along the cliff. Crag Martins were also flying along the cliffs. We drove back across the middle of the plain, noting the fertile soil and range of vegetables and cereals being grown, before winding our way back up into the mountains. Visibility was poor when we reached Gioia Vecchio, so we didn't stop, but headed onwards towards Pescasseroli. A Red Fox was by the road and gave excellent views before disappearing into the trees.

#### Day 7

#### Wednesday 31st May

Ortona & Aschi; Pescasseroli; Camosciara

This was our last day, and we wanted to make the most of it. Consequently, most of the group were out at 5am, to return to Ortona and Aschi, in search of Wolves. We left the mist behind and entered another beautiful morning, driving to a viewpoint on the edge of Ortona village, from where we scanned the slopes opposite. There were a few Red and Roe Deer, but the highlight from here was a very distant, but clear, view of a Rock Partridge, perched on a rock on the top of the hill: a bird rarely seen here. We then moved to a spot just outside the village of Aschi. Here there were far more Red Deer as well as several Roe Deer and we were thrilled to see a Grey Wolf, closer than on the previous occasion. It trotted steadily across the hillside, sometimes disappearing in a gully or behind vegetation, the reappearing again, giving great views in the morning sun until it vanished over the hill. Also here, a Black Kite was perched on a fence post, this is not a species seen higher up in the park, and a group of Swifts were over the village. Finally, we moved down the road to a third viewpoint. There were Wolf footprints in the mud and a very old scat, full of hair. Here, we saw a further two Black Kites, as well as the one from the previous site, which flew to join them. A Bonelli's Warbler was singing nearby.

We returned for breakfast at 8.30am, meeting again at 9.30 to spend some time in Pescasseroli, with opportunities to look round the weekly market as well as the old part of the town. We then drove down the valley to Camosciara, in order to revisit the Lady's-slipper Orchids, to see if the buds had opened. We decided to take the road train up the valley to the spot and to walk back. While Paolo was arranging with for the driver to come, Jessica was scanning the hillsides – and on the slopes of Monte Marsicano was a large, dark-coloured male Bear! He was wandering across the open hillside, and all those present had good scoped views. An amazing and unexpected sight at 11am! He dropped down into the forest, disappearing from sight.

We took the train, being dropped near where the orchids were along the river. Today they were flowering beautifully. Nearby, on the far side of the river, we also saw Camosciara Butterwort (*Pinguicula vallis-regiae*), known

only from these central valleys in Abruzzo, and Thore's Buttercup (Ranunculus thora), with its enormous kidney-shaped leaf. We also had excellent, prolonged views of a Large Tortoiseshell butterfly basking on the road, and well as seeing Duke of Burgundy and Southern Grizzled Skipper. Well-satisfied, we wandered back down to the car park. As we were gathering, Paolo used the scope to scan the mountainside again – and there was another Marsican Brown Bear! This time, we were all present to see her – what a finale! This was a smaller, paler female named Jacomena who wears a collar as she can be 'confident'. She was in the same area as the male we had seen earlier: at this time of year, the males track the females, in order to mate.

Delighted, we boarded the minibuses as the rain came, so we had our picnic back in the shelter of the hotel lounge. Afterwards there was free time, for a siesta. The rain eased for a while in the afternoon, and some ventured out for a walk, reporting among other sightings, two different Red-backed Shrikes and the calling Wryneck. We were going to go out again in the evening, but the rain was heavier and the visibility extremely poor, so there was no point. Instead, we completed our lists and discussed the week before a final delicious dinner.

#### Day 8

### **Thursday 1st June**

#### Return to Rome

This morning we had to leave the delightful surroundings of the park. After breakfast at 6.30am, we left at 7.30, thanking Sonia and her team who had looked after us so well. Again, it was misty round the town, but we soon climbed above it, taking the Bisegna road and enjoying the views back down the valley. A Hoopoe was on the road at Il Templo and flew off up the hillside: our first sighting of the species in the week. A Red Squirrel was also spotted, as well as a couple of Common Buzzards. We had a smooth journey back to Rome, dropping the group at the airport in good time. Some were staying on in the city, and Lucy was travelling home by train. As we said our farewells, we agreed that we had enjoyed an excellent week in Abruzzo.

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# **Species lists**

Birds (H = Heard only, LO = Leader Only)

					May-	June			
Common name	Scientific name	25	26	27	28	29	30	31	1
Mallard	Anas platyrrhynchos	✓			✓	<b>✓</b>	✓		
Rock Partridge	Alectoris graeca							✓	
Great Crested Grebe	Podiceps cristatus					<b>✓</b>			$\top$
Grey Heron	Ardea cinerea			<b>✓</b>	<b>✓</b>		<b>✓</b>		$\top$
Western Cattle Egret	Bubulcus ibis	<b>✓</b>							$\top$
European Honey Buzzard	Pernis apivorus					<b>✓</b>		<b>√</b>	
Griffon Vulture	Gyps fulvus						<b>✓</b>		$\top$
Black Kite	Milvus migrans							<b>✓</b>	$\top$
Common Buzzard	Buteo buteo	<b>√</b>		<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	+
Eurasian Coot	Fulica atra					<b>✓</b>			$\top$
Yellow-legged Gull	Larus michahellis	<b>√</b>							+
Rock Dove/Feral Pigeon	Columba livia	· ✓		<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	+
Common Wood Pigeon	Columba palumbus		<b>✓</b>	· ·	· ✓	· ·	· ✓	· ✓	+
European Turtle Dove	Streptopelia turtur		_	<b>✓</b>	•	•	Н	•	+
Eurasian Collared Dove	Streptopelia decaocto			_			<b>11</b> ✓	<b>✓</b>	+
Common Cuckoo	Cuculus canorus	Н	Н	Н	Н	Н	Н	Н	+
Common Swift	Apus apus	√	П	П	П	Н	П		+
European Bee-eater	<del>' ' '</del>	<b>v</b>				П	Н	<b>V</b>	+
<u> </u>	Merops apiaster			11	11			11	+
Eurasian Hoopoe	Upupa epops			Н	Н	11	Н	H	+-
Eurasian Wryneck	Jynx torquilla			Н	Н	Н	Н	Н	+
Great Spotted Woodpecker	Dendrocopos major					✓		✓	+
European Green Woodpecker	Picus viridis			Н					+
Common Kestrel Red-backed Shrike	Falco tinnunculus		✓ ✓			✓			+
Eurasian Jay	Lanius collurio		<b>✓</b>	<b>√</b>	✓		✓		+-
Common Magpie	Garrulus glandarius	<b>√</b>		<b>✓</b>		<b>√</b>			+-
Hooded Crow	Pica pica	<b>√</b>	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	+-
	Corvus cornix	✓	✓	✓	✓	✓	✓	✓	-
Northern Raven	Corvus corax	✓		✓	Н	✓	✓		+-
Coal Tit	Periparus ater		Н	Н	Н	Н			+
Eurasian Blue Tit	Cyanistes caeruleus		✓	✓	✓	✓	✓	✓	-
Great Tit	Parus major		✓	✓	✓	✓	✓	✓	$\perp$
Eurasian Skylark	Alauda arvensis						Н		$\perp$
Barn Swallow	Hirundo rustica	✓	✓	✓	✓	✓	✓	✓	$\perp$
Eurasian Crag Martin	Ptyonoprogne rupestris						✓		$\perp$
Common House Martin	Delichon urbicum		✓	✓	✓	✓	✓	✓	$\perp$
Common Chiffchaff	Phylloscopus collybita	H	Н	Н	Н	Н	Н	Н	$\perp$
Western Bonelli's Warbler	Phylloscopus bonelli			Н	Н			Н	
Eurasian Blackcap	Sylvia atricapilla	Н	Н	✓	Н	✓	✓	Н	
Garden Warbler	Sylvia borin				Н	Н	Н		
Common Firecrest	Regulus ignicapillus		✓						
Eurasian Wren	Troglodytes troglodytes		Н	Н	Н	Н	Н		
Eurasian Nuthatch	Sitta europaea		Н					Н	
Common Starling	Sturnus vulgaris		✓	✓	✓	✓	✓	✓	
Common Blackbird	Turdus merula	Н	✓	✓	✓	✓	✓	✓	
Song Thrush	Turdus philomelos		Н	Н	Н	✓		Н	
European Robin	Erithacus rubecula	Н	✓	✓	✓	✓	✓	✓	
Common Nightingale	Luscinia megarhynchos					Н	Н		

Black Redstart	Phoenicurus ochruros		✓		✓	✓	✓	✓	
Common Redstart	Phoenicurus phoenicurus			<b>✓</b>	✓	✓			
European Stonechat	Saxicola torquata					Н			
Northern Wheatear	Oenanthe oeneanthe		✓			✓			
Black-eared Wheatear	Oenanthe hispanica					?			
Blue Rock Thrush	Monticola solitarius					?			
White-throated Dipper	Cinclus cinclus							LO	
Italian Sparrow	Passer italiae	✓	✓	✓	✓	✓	✓	✓	
Eurasian Tree Sparrow	Passer montanus		✓	✓	✓	✓	✓	✓	
Grey Wagtail	Montacilla cinerea				✓			✓	
White Wagtail	Montacilla alba		✓	<b>✓</b>	✓	✓	✓	<b>✓</b>	
Tree Pipit	Anthus trivialis					Н			
Common Chaffinch	Fringilla coelebs	Н	✓	<b>✓</b>	✓	✓	✓	✓	
European Greenfinch	Chloris chloris		Н	✓	✓	✓	✓		
Red Crossbill	Loxia curvirosta					Н			
European Goldfinch	Carduelis carduelis		✓	✓	✓	✓	✓	✓	
European Serin	Serinus serinus		✓	✓	✓	✓	✓	✓	
Corn Bunting	Miliaria calandra				Н	Н	✓	✓	
Yellowhammer	Emberiza citrinella				✓		Н		
Rock Bunting	Emberiza cia				✓				

### Mammals (S = Signs, D = Dead)

Mole	Talpa sp.			S	S			
Red Fox	Vulpes vulpes	✓		✓	S	✓	✓	
Grey Wolf	Canis lupus	S	✓				✓	
Beech Marten	Martes foina				D			
Red Deer	Cervus elaphus	✓	✓	✓	✓		✓	
Roe Deer	Capreolus capreolus	✓	✓	Н			✓	
Apennine or Abruzzo Chamois	Rupicapra pyrenaica ornata			✓				
Wild Boar	Sus scrofa	S	S	S	S		S	
Italian Hare	Lepus corsicanus							
European Hare	Lepus europaeus	S	✓				✓	
Red Squirrel	Sciurus vulgaris	✓						
Marsican Brown Bear	Ursus arctos marsicanus		S	✓			✓	
Vole sp.			S					

## Reptiles & Amphibians

Common Toad	Bufo bufo				✓	✓	✓	
Western Green Lizard	Lacerta bilineata	✓	✓	✓		✓		
Common Wall Lizard	Podarcis muralis	✓	✓				✓	
Italian Wall Lizard	Podarcis sicula					✓		

## Fish

Common Carp	Cyprinus carpio					✓			
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## Butterflies (C = Caterpillar)

					May-J	une			_
Common name	Scientific name	25	26	27	28	29	30	31	1
Scarce Swallowtail	Iphiclides podalirius		✓	✓			✓		
Large White	Pieris brassicae		✓	✓		✓	✓	✓	
Small White	Pieris rapae		✓	✓	✓	✓	✓	✓	
Green-veined White	Pieris napi			✓		✓		✓	
Orange Tip	Anthocharis cardamines		✓	✓	✓		✓	✓	
Provence Orange Tip	Anthocharis euphenoides					✓			
Clouded Yellow	Colias crocea			✓	✓	✓		✓	
Berger's Clouded Yellow	Colias alfacariensis			✓			✓	✓	
Brimstone	Gonepteryx rhamni		✓	✓					
Wood White	Leptidea sinapis		✓	✓		✓	✓	✓	
Green Hairstreak	Callophrys rubi			✓			✓		
Small Copper	Lycaena phlaeas		✓				✓		
Provençal Short-tailed Blue	Cupido alcetas					✓			
Baton Blue	Pseudophilotes baton			✓					
Silver-studded Blue	Plebejus argus						✓		
Brown Argus	Aricia agestis						✓		
Turquoise Blue	Polyommatus dorylas						✓		
Adonis Blue	Polyommatus bellargus			✓			✓		
Common Blue	Polyommatus icarus			✓	✓	✓	✓	✓	
Duke of Burgundy	Hamearis lucina		✓	✓				✓	
Large Tortoiseshell	Nymphalis polychloros							✓	
Peacock Butterfly	Aglais (Inachis) io			✓					
Red Admiral	Vanessa atalanta		✓	✓	✓				
Painted Lady	Vanessa cardui			✓	✓				
Small Tortoiseshell	Aglais urticae			✓	С	✓			
Pearl-bordered Fritillary	Boloria euphrosyne			✓					
Knapweed Fritillary	Melitaea phoebe		✓						
Glanville Fritillary	Melitaea cinxia				✓		✓		
Spotted Fritillary	Melitaea didyma						✓	✓	
Marsh Fritillary	Euphydryas aurinia						✓		
Meadow Brown	Maniola jurtina						✓		
Small Heath	Coenonympha pamphilus		✓	✓	✓	✓	✓	<b>✓</b>	
Speckled Wood	Pararge aegeria		✓	✓				✓	
Southern Grizzled Skipper	Pyrgus malvoides							✓	
Safflower Skipper	Pyrgus carthami							✓	
Yellow-banded Skipper	Pyrgus sidae						✓		T
Red-underwing Skipper	Spialia sertorius			✓					T
Dingy Skipper	Erynnis tages			✓	✓	<b>✓</b>		✓	T
Lulworth Skipper	Thymelicus acteon								

#### Moths:

Green Longhorn	Adelia reaumurella	✓					
Mint Moth	Pyrausta aurata		✓				
Wavy-barred Sable	Pyrausta nigrata		✓	✓			
Grass-moth spp	Crambidae sp.		✓				
Dock Forester	Adscita mannii					✓	
Six-spot Burnet	Zygaena filipendulae				С		
An endemic Six-spot Burnet	Zygaena oxytropis					✓	
Grass Eggar	Lasiocampa trifolii		С				

Eastern Eggar	Eriogaster catax	С				
Franconian Lackey	Malacosoma franconica		С			
Humming-bird Hawk-moth	Macroglossum stellatarum				✓	
Blood-vein	Trimandra comae		✓			
Common Carpet	Epirrhoe alternata			✓		
Latticed Heath	Chiasmia clathrata clathrata			✓		
Common Heath	Ematurga atomaria			✓	✓	
Beautiful Marbled	Eublemma purpurina				✓	
Small Yellow Underwing	Panemeria tenebrata				✓	
Silver Y	Autographa gamma		✓			

### Other Invertebrates (N = Nymph, LC = Larval Case, H = Heard)

Stonefly	Perlidae		✓	N	N				
Stonefly	Nemuridae			✓					
Field Cricket	Gryllus campestris	Н	<b>✓</b>	Н	✓	Н	Н	Н	
Down Shieldbug (metallic blue)	Canthophorus impressus			✓					
Lined Shieldhug	Graphosoma lineatum ssp.				<b>✓</b>				
Lined Shieldbug	italicum Carava marginatus				<b>V</b>	<b>✓</b>			
Dock Bug	Coreus marginatus			<b>✓</b>		<b>V</b>			
Hairy Shieldbug	Dolycoris baccarum			V					
Rhomboid Leatherbug	Syromastes rhombeus				<b>√</b>				
Golden Egg Bug	Phyllomorpha laciniata				✓				
Black-and-Red Bug	Lygaeus equestris		✓						
Red & black Ground Bug	Spilostethus saxatilis					✓			
Assassin Bug	Rhinocoris iracundus				✓				
Striped Oak Bug (Miridae)	Rhabdomiris striatellus							✓	
Red and black Froghopper	Cercopis vulnerata			✓			✓		
Ascalaphid	Libelloides coccajus						✓		
Scorpion Fly	Panorpa sp. (cf. communis)					✓			
Caddis Fly	Trichoptera			LC	LC				
Bee Fly	Bombylius cf. major		✓						
Dotted Beefly	Bombylius medius			✓					
Noon Fly	Mesembrina meridiana					✓			
Violet Carpenter Bee	Xylocopa violacea			✓					
Honey Bee	Apis melifera		✓	✓			✓		
Buff-tailed Bumblebee	Bombus terrestris			✓			✓		
Red-tailed Bumblebee	Bombus lapidarius			✓					
Common Carder Bee	Bombus pascuorum		<b>✓</b>	✓			✓		
Red-breasted Carrion Beetle	Oiceoptoma thoracicum			✓					
A Clown Beetle	Hister quadrimaculatus			✓					
Green Tiger Beetle	Cicindela campestris			✓					
Rose Chafer	Cetonia aurata			<b>✓</b>					
A Pollen Chafer	Oxythyria funesta						✓		
A Soldier Beetle (heart mark)	Cantharis rustica		✓	<b>✓</b>					
A Soldier Beetle	Silis ruficollis			✓					
Red-headed Cardinal Beetle	Pyrochroa serraticornis		<b>√</b>	<b>✓</b>					
Black-headed Cardinal Beetle	Pyrochroa coccinea					<b>√</b>			
Beehive Beetle (red & black)	Trichodes alvearius			<b>✓</b>					
7-Spot Ladybird	Coccinella 7-punctata		<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>√</b>			
2-Spot Ladybird	Adalia bipunctata		·				<b>✓</b>		
Cream-spot Ladybird	Calvia 14-guttata							<b>✓</b>	
Four-spotted Leaf Beetle	Clytra quadripunctata					<b>√</b>			
Leaf Beetle (black w red margin)	Chrysolina rossia		<b>✓</b>						

Mint Leaf Beetle	Chrysolina herbacea	✓				
Colorado Beetle	Leptinotarsa decemlineata	✓				
Crab Spider sp.			✓			
Red-bellied Jumping Spider	Philaeus chrysops		✓			
Green Huntsman Spider	Micrommata virescens			✓		
Freshwater Shrimp sp.			✓			
Galls:						
on Red Valerian caused by	Trioza centranthi			✓		
Beech caused by gall midge	Mikiola fagi				✓	

# Plants

Scientific name	Common name	T L	Location
database of vascular plan	follows Plants of the World Online (POW t families published by the Royal Botani		
PTERIDOPHYTES	FERNS & ALLIES		
Leptosporangiate Ferns	True Ferns		
Aspleniaceae	Spleenwort Family		
Asplenium ceterach	Rusyback	3	Val Fondillo
Asplenium ruta-muraria	Wall Rue	3	Val Fondillo
Asplenium trichomanes	Maidenhair Spleenwort	3	Val Fondillo
Cystopteraceae	Bladder-fern Family		
Cystopteris fragilis	Brittle Bladder-fern	4	La Difesa
Polypodiaceae	Polypody Family		
Polypodium vulgare agg.	Common Polypody	4	La Difesa
GYMNOSPERMS	CONIFERS		
Cupressaceae	Juniper Family		
Juniperus communis	Common Juniper	1	Near hotel
Pinaceae	Pine Family		
Abies alba	Silver Fir	4	Val Fondillo
Pinus mugo	Dwarf Mountain Pine	5	Passo Godi
Pinus nigra subsp. italica*	Villetta Barrea Black Pine	2	Camosciara
Pinus nigra subsp. nigra	Austrian or Black Pine	5	Nr Villetta Barrea
Pinus pinea	Umbrella Pine	1	Near Rome
ANGIOSPERMS	FLOWERING PLANTS		
Eu-dicots	True Dicotyledons		
Adoxaceae	Moschatel Family		
Adoxa moschatellina	Moschatel	4	La Difesa
Apiaceae	Carrot Family		
Aegopodium podagraria	Ground Elder	2	Camosciara
Anthriscus sylvestris	Cow Parsley	2	Camosciara
Eryngium amethystinum	Blue Eryngo	3	Val Fondillo (leaves)
Eryngium campestris	Field Eryngo	6	Alba Fucens
Orlaya daucoides	An Orlaya	6	Alba Fucens
Sanicula europaea	Sanicle	2	Camosciara
Scandix pecten-veneris	Shepherd's Needles	4	Vallone Pesco di Lordo

Apocynaceae	Periwinkle Family		
Vinca major	Greater Periwinkle	2	Camosciara
Vincetoxicum hirundinaria	Swallow-wort	1	Near hotel
Aguifalianaa	Hally Family		
Aquifoliaceae	Holly Family		
llex aquifolium	Holly	4	Val Fondillo
Aralaceae	Ivy Family		
Hedera helix	lvy	5	Villalago
Asteraceae (Compositae)	Daisy Family		
Achillea virescens subsp. tenorei*	an endemic Milfoil	_	
· · · · · · · · · · · · · · · · · · ·		5	Passo Godi
Bellis perennis	Daisy	2	Camosciara
Bellis sylvestris	Southern Daisy	3	Val Fondillo
Carduus nutans	Musk Thistle	6	Alba Fucens
Carlina acaulis subsp. simplex	Stemmed Stemless Carline Thistle	3	Val Fondillo (dead)
Carlina vulgaris	Carline Thistle	2	Camosciara (dead)
Cirsium oleraceum	Cabbage Thistle	2	Camosciara
Cirsium tenoreanum	a Woolly Thistle	2	Camosciara
Cota tinctoria subsp. australis	Yellow Chamomile	6	Alba Fucens
Doronicum columnae	Heart-leaved Leopard's-bane	6	Roadsides
Galactites tomentosa	Galactites	1	Rome Ringroad
Leucanthemum vulgare	Ox-eye Daisy	3	Val Fondillo
Mycelis muralis	Wall Lettuce	2	Camosciara
Onorpordon acanthium	Cotton Thistle	6	Alba Fucens
Petasites hybridus	Butterbur	2	Camosciara
Silybum marianum	Milk Thistle	6	Roadsides
Tragopogon porrifolius	Salsify	5	Villalago
Tragopogon pratensis	A Goat's-beard	4	Val Fondillo
Betulaceae	Birch Family		
Corylus avellana	Hazel		
Corylus avellaria	паzeі	2	Camosciara
Boraginaceae	Forget-me-not Family		
Cynoglossum magellense*	a Hound's-tongue	5	Passo Godi
Cynoglossum montanum	Mountain Hound's-tongue	4	Vallone Pesco di Lordo
Cynoglottis barrellieri	an Anchusa (Blue)	1	Near hotel
Echium vulgare subsp. pustulatum	a Viper's-bugloss	3	Val Fondillo
Myosotis graui*	Alpine Wood Forget-me-not	1	Near hotel
Myosotis sylvatica	Wood Forget-me-not	4	La Difesa
Onosma echioides	A Golden-drops	6	Roadsides
Pulmonaria cf apennina*	A Lungwort	2	Camosciara
Solenanthus apenninus*	Solenanthus	4	La Difesa
Brassicaceae	Cabbage Family		
Alliaria petiolata	Garlic Mustard	2	Camosciara
Alyssum diffusum*	a Yellow Alyssum	4	Vallone Pesco di Lordo
Alyssum simplex (minus)	an Alyssum	3	Val Fondillo
Arabis turrita	Towercress	5	Villalago
Aubrieta columnae subsp. columnae*	Aubrieta	2	Camosciara
Barbarea sp.	A Wintercress	2	Camosciara

Capsella bursa-pastoris	Shepherd's Purse	4	La Difesa
Cardamine bulbifera	Coralroot Bitter-cress	2	Camosciara
Cardamine chelidonia	a Bitter-cress (Purple)	2	Camosciara
Cardamine enneaphyllos	Drooping Bitter-cress	2	Camosciara
Cardamine impatiens	Narrow-leaved Bitter-cress	4	La Difesa
Erophila verna	Whitlow-grass	4	La Difesa
Erysimum pseudorhaeticum*	a Treacle Mustard	3	Val Fondillo
Isatis tinctoria	Woad	6	Alba Fucens
Lunaria redivida	Perennial Honesty	3	Val Fondillo
Nasturtium officinale	Watercress	3	Val Fondillo
Campanulaceae	Bellflower Family		
Campanula rapunculus	Rampion Bellflower	6	Alba Fucens
Phyteuma orbiculare	Round-headed Rampion	7	Aschi (in bud)
On wife linear	Hanavavakla Familiy		
Caprifoliaceae	Honeysuckle Family Wild Teasel		
Dipsacus fullonum		2	Camosciara
Knautia arvensis	Field Scabious	6	Roadsides
Lonicera caprifolium	Perfoliate Honeysuckle	2	Camosciara
Lonicera etrusca	Etruscan Honeysuckle	6	Alba Fucens
Lonicera xylosteum	Fly Honeysuckle	2	Camosciara
Valeriana officinalis	Common Valerian	2	Camosciara (leaves)
Valeriana tripteris	Three-leaved Valerian	2	Camosciara
Valeriana tuberosa	Tuberous Valerian	5	Passo Godi
Valerianella locusta	Common Cornsalad	2	Camosciara
Caryophyllaceae	Pink Family		
Cerastium tomentosum	Snow-in-Summer	2	Camosciara
Paronychia kapela	a Paronychia	5	Passo Godi
Silene conica	Sand Catchfly	2	Nr Hotel
Silene dioica	Red Campion	2	Camosciara
Silene (Lychnis) flos-cuculi	Ragged Robin	3	Val Fondillo
Silene italica	Italian Catchfly	2	Nr Hotel
Silene latifolia	White Campion	2	Camosciara
Silene pendula	Nodding Catchfly	5	Road verges
Stellaria media	Chickweed	4	La Difesa
Celastraceae	Spindle Family		
Euonymus europaeus	Spindle Tree	6	Alba Fucens
Cistaceae	Rock-rose Family		
Helianthemum apenninum	White Rock-rose		Doodoidaa
Helianthemum canum	Hoary Rock-rose	1	Roadsides
Helianthemum nummularium	Rock-rose	3	Val Fondillo
	1 took 1000	2	Camosciara
Convolvulaceae	Bindweed Family		
Convolvulus althaeoides ssp. elegantissimus	A Mallow-leaved Bindweed	6	Alba Fucens
Cuscuta epithymum	Common Dodder	3	Val Fondillo
Company	Dogwood Family		
Cornaceae	Dogwood Family		
Carnua canquinas			
Cornus sanguinea	Dogwood	2	Camosciara

Thymas ochipomanus	**IIQ TITYTHE	5	Passo Godi
Thymus oenipontanus	Wild Thyme	3	Val Fondillo
Stachys germanica	Downy Woundwort	6	Alba Fucens
Salvia verbenaca Sideritis italica	Wild Clary A Sideritis	2	Camosciara
Mentha sp. Salvia verbenaca	A Mint	6	Alba Fucens
Melittis melissophyllum	Bastard Balm	2	Camosciara
Lamium rubrum	Red Dead-nettle	2	Camosciara
Lamium maculatum	Spotted Dead-nettle	2	Camosciara
Lamium garganicum	Large Red Dead-nettle	2	Nr Hotel
Lamium album	White Dead-nettle	3	Val Fondillo
Lamiastrum galeobdolon	Yellow Archangel	3	Val Fondillo
Clinopodium (Acinos) alpinum	Alpine Basil Thyme	3	Val Fondillo
Ajuga tenorei*	Tenore's Bugle	5	Passo Godi
Ajuga reptans	Bugle	2	Camosciara
Ajuga chamaepitys	Ground Pine	3	Val Fondillo
Lamiaceae	Deadnettle Family		
	·	4	222
Ribes uva-crispa	Gooseberry	4	La Difesa
Grossulariaceae	Gooseberry Family		
Co.a.nam roportamani	TIOID RODOIT	2	Camosciara
Geranium renexum Geranium robertianum	Herb Robert	2	Camosciara
Geranium pyrenaicum Geranium reflexum	Reflexed Crane's-bill	2	Camosciara
Geranium purpureum Geranium pyrenaicum	Hedgerow Crane's-bill	2	Camosciara
Geranium lucidum Geranium purpureum	Little Robin	4	
Geranium lucidum	Shining Crane's-bill	4	Lordo La Difesa
Geranium austroapenninum* (subcaulescens)	Ashy Crane's-bill		Vallone Pesco di
Erodium cicutarium	Common Stork's-bill	2	Camosciara
Erodium ciconium	Sand Stork's-bill	6	Alba Fucens
Geraniaceae	Crane's-bill Family		
Gentiana verna	Spring Gentian	5	Passo Godi
Gentiana lutea	Great Yellow Gentian	4	Vallone Pesco di Lordo (leaves)
Gentiana dinarica*	a Trumpet Gentian	2	Camosciara
Gentiana cruciata	Cross Gentian	2	Camosciara (leaves)
Gentianaceae	Gentian Family		
		1	Roausides
Quercus pubescens	Downy Oak	1	Camosciara Roadsides
Quercus cerris	Turkey Oak	2	Widespread
Fagaceae Fagus sylvatica	Beech Family Beech		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Favorage	Decel Comily		
Mercurialis perennis	Dog's Mercury	2	Camosciara
Euphorbia myrsinites	Glaucous Spurge	3	Val Fondillo
Euphorbia gasparrinii subsp. samnitica*	An endemic Spurge	5	Passo Godi
Euphorbia cyparissias	Cypress Spurge	2	Camosciara
Euphorbia amygdaloides	Wood Spurge	2	Camosciara
Euphorbiaceae	Spurge Family		
Sedum rupestre	Rock Stollectop	5	Passo Godi
Sedum rupestre	Rock Stonecrop		D 0 1:

Anthyllis vulneraria agg.	Kidney Vetch	3	Val Fondillo
Astragalus depressus	Sprawling Milk-vetch	5	Passo Godi
Astragalus monspessulanus	False Vetch	2	Camosciara
Astragalus sempervirens	Mountain Tragacanth	5	Passo Godi
Coronilla scorpioides	Annual Scorpion Vetch	6	Alba Fucens
Cytisophyllum sessilifolium	Sessile Broom	5	Nr Villetta Barrea
Cytisus (Chamaecytisus) hirsutus	Hairy Broom	3	Val Fondillo
Lathyrus sphaericus	A Red Vetchling	6	Alba Fucens
Lathyrus vernus	Spring Pea	2	Camosciara
Lotus corniculatus	Bird's-foot Trefoil	2	Camosciara
Medicago lupulina	Black Medick	3	Val Fondillo
Onobrychis viciifolia	Sainfoin	6	Alba Fucens
Pisum sativum	Wild Pea	2	Camosciara
Securigera varia	Crown Vetch	6	Alba Fucens
Spartium junceum	Spanish Broom	1	Roadsides
Trifolium incarnatum subsp. molinerii	a Crimson Clover	6	Petrella Liri
Trifolium nigrescens	A small white clover	2	Camosciara
Trifolium pratense	Red Clover	2	Camosciara
Trifolium repens	White Clover	6	Alba Fucens
Trifolium resupinatum	Reversed Clover	3	Val Fondillo
Trifolium stellatum	Starry Clover	6	Alba Fucens
Vicia cracca	Tufted Vetch	6	Alba Fucens
Vicia pannonica	A pink Vetch	6	Alba Fucens
Vicia sativa agg	Common Vetch	0	Vallone Pesco di
viola sauva agg	Common voicin	4	Lordo
Vicia sepium	Bush Vetch	4	Vallone Pesco di Lordo
Lentibulariaceae	Butterwort Family		
Pinguicula vallis-regiae*	Camosciara Butterwort	7	Camosciara
Linaceae	Flax Family		
Linum bienne	Pale Flax	3	Val Fondillo
Linum squamulosum subsp. tommasinii	a Perennial Flax (lower alt)	6	Alba Fucens
Malvaceae	Mallow Family		
Malva sylvestris	Common Mallow		Composis
mara sylvosilis	Sommon Manow	2	Camosciara
Oleaceae	Olive Family		
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			\/;!!=!= = -
Fraxinus ornus	Flowering Ash / Manna Ash	5	Villalago
Fraxinus ornus		5	Villalago Alba Fucens
Fraxinus ornus Ligustrum vulgare	Flowering Ash / Manna Ash		_
Fraxinus ornus Ligustrum vulgare Orobanchaceae	Flowering Ash / Manna Ash Privet  Broomrape Family	6	Alba Fucens
Fraxinus ornus Ligustrum vulgare  Orobanchaceae  Orobanche alba	Flowering Ash / Manna Ash Privet  Broomrape Family Thyme Broomrape	6	Alba Fucens Alba Fucens
Fraxinus ornus Ligustrum vulgare  Orobanchaceae Orobanche alba Orobanche caryophyllacea	Flowering Ash / Manna Ash Privet  Broomrape Family Thyme Broomrape Bedstraw Broomrape	6 6 6	Alba Fucens Alba Fucens Alba Fucens
Fraxinus ornus Ligustrum vulgare  Orobanchaceae Orobanche alba Orobanche caryophyllacea Orobanche crenata	Flowering Ash / Manna Ash Privet  Broomrape Family Thyme Broomrape Bedstraw Broomrape Bean Broomrape	6 6 6 6	Alba Fucens Alba Fucens Alba Fucens Alba Fucens
Fraxinus ornus Ligustrum vulgare  Orobanchaceae Orobanche alba Orobanche caryophyllacea Orobanche crenata Parentucellia latifolia	Flowering Ash / Manna Ash Privet  Broomrape Family Thyme Broomrape Bedstraw Broomrape Bean Broomrape Southern Red Bartsia	6 6 6 6 3	Alba Fucens Alba Fucens Alba Fucens Alba Fucens Val Fondillo
Fraxinus ornus Ligustrum vulgare  Orobanchaceae Orobanche alba Orobanche caryophyllacea Orobanche crenata Parentucellia latifolia	Flowering Ash / Manna Ash Privet  Broomrape Family Thyme Broomrape Bedstraw Broomrape Bean Broomrape	6 6 6 6	Alba Fucens  Alba Fucens  Alba Fucens  Alba Fucens
Fraxinus ornus Ligustrum vulgare  Orobanchaceae Orobanche alba Orobanche caryophyllacea Orobanche crenata Parentucellia latifolia Rhinanthus minor agg.	Flowering Ash / Manna Ash Privet  Broomrape Family Thyme Broomrape Bedstraw Broomrape Bean Broomrape Southern Red Bartsia Yellow Rattle	6 6 6 6 3	Alba Fucens Alba Fucens Alba Fucens Alba Fucens Val Fondillo
Fraxinus ornus Ligustrum vulgare  Orobanchaceae Orobanche alba Orobanche caryophyllacea Orobanche crenata Parentucellia latifolia Rhinanthus minor agg.	Flowering Ash / Manna Ash Privet  Broomrape Family Thyme Broomrape Bedstraw Broomrape Bean Broomrape Southern Red Bartsia Yellow Rattle  Wood-sorrel Family	6 6 6 6 3 3	Alba Fucens  Alba Fucens  Alba Fucens  Alba Fucens  Val Fondillo  Val Fondillo
Fraxinus ornus Ligustrum vulgare  Orobanchaceae Orobanche alba Orobanche caryophyllacea Orobanche crenata Parentucellia latifolia Rhinanthus minor agg.	Flowering Ash / Manna Ash Privet  Broomrape Family Thyme Broomrape Bedstraw Broomrape Bean Broomrape Southern Red Bartsia Yellow Rattle	6 6 6 6 3	Alba Fucens Alba Fucens Alba Fucens Alba Fucens Val Fondillo
Fraxinus ornus Ligustrum vulgare  Orobanchaceae Orobanche alba Orobanche caryophyllacea Orobanche crenata Parentucellia latifolia Rhinanthus minor agg.  Oxalidaceae Oxalis corniculata	Flowering Ash / Manna Ash Privet  Broomrape Family Thyme Broomrape Bedstraw Broomrape Bean Broomrape Southern Red Bartsia Yellow Rattle  Wood-sorrel Family Procumbent Yellow Sorrel	6 6 6 6 3 3	Alba Fucens  Alba Fucens  Alba Fucens  Alba Fucens  Val Fondillo  Val Fondillo
Fraxinus ornus Ligustrum vulgare  Orobanchaceae Orobanche alba Orobanche caryophyllacea Orobanche crenata Parentucellia latifolia Rhinanthus minor agg.  Oxalidaceae Oxalis corniculata  Papaveraceae Chelidonium majus	Flowering Ash / Manna Ash Privet  Broomrape Family Thyme Broomrape Bedstraw Broomrape Bean Broomrape Southern Red Bartsia Yellow Rattle  Wood-sorrel Family	6 6 6 6 3 3	Alba Fucens  Alba Fucens  Alba Fucens  Alba Fucens  Val Fondillo  Val Fondillo

Corydalis cava	a Bird-in-a-bush	4	La Difesa (leaves)
Papaver rhoeas	Common Poppy	1	Roadsides
Plantaginaceae	Plantain Family		
Cymbalaria muralis	Ivy-leaved Toadflax	2	Camosciara
Digitalis ferruginea	Brown Foxglove	2	
Globularia bisnagarica	Common Globularia	2	Camosciara (leaves)
Linaria purpurea	Purple Toadflax	2	Camosciara
Plantago lanceolata	Ribwort Plantain	6	Alba Fucens
•	Greater Plantain	3	Val Fondillo
Plantago major		5	Villalago
Plantago media	Hoary Plantain	2	Camosciara
Veronica beccabunga	Brooklime	3	Val Fondillo
Veronica chamaedrys	Germander Speedwell	2	Camosciara
Veronica officinalis	Heath Speedwell	2	Camosciara
Veronica orsiniana	a Speedwell	3	Val Fondillo
Plumbaginaceae	Thrift Family		
Armeria canescens	Plantain-leaved Thrift	3	Val Fondillo
			var i Orialio
Polygalaceae	Milkwort Family		
Polygala alpestris	Mountain Milkwort	5	Passo Godi
Polygala flavescens*	A Yellow Milkwort		
Polygala major	A Milkwort	3	Val Fondillo
Polygala nicaeensis	Nice Milkwort	5	Nr Villetta Barrea
Polygala vulgaris	Common Milkwort	2	Camosciara
Polygaloides chamaebuxus		3	Val Fondillo
rolygalolues chamaebuxus	Shrubby Milkwort	2	Camosciara
Polygonaceae	Knotweed Family		
Rumex acetosella	Sheep's Sorrel	5	Passo Godi
Primulaceae	Primrose Family		
Lysimachia arvensis	Scarlet Pimpinel	2	Val Fandilla
Primula auricula	Bear's-ear	3	Val Fondillo
Primula vulgaris	Primrose	2	Camosciara
Filmula vulgans	Fillillose	2	Camosciara (leaves)
Ranunculaceae	Buttercup Family		
Aquilegia vulgaris	Columbine	2	Camosciara
Ficaria verna agg.	Lesser Celandine	2	Camosciara
Helleborus foetidus	Stinking Hellebore	2	Camosciara
Hepatica nobilis	Hepatica	2	Camosciara (leaves)
Ranunculus acris	Meadow Buttercup	2	Camosciara
Ranunculus bulbosus	Bulbous Buttercup	3	Val Fondillo
Ranunculus millefoliatus	Million-leaved Buttercup		Vallone Pesco di
Ranunculus monspeliacus	-	4	Lordo Vallone Pesco di
Ranunculus serpens subsp. nemorosus	Wood Buttercup	4	Lordo
Ranunculus thora	Thore's Buttercup	2	Camosciara
Thalictrum aquilegifolium	Great Meadow-rue	7	Camosciara
Thalictrum aquilegilollum Thalictrum simplex	Great ividauow-rue	2	Camosciara
πιαποιταπη επιρισχ		3	Val Fondillo
Rhamnaceae	Buckthorn Family		
Rhamnus alpinus	Alpine Buckthorn		Vallone Pesco di
ппанниз аіріниз	Alpine buckinom	4	Lordo

Rosaceae	Rose Family		
Alchemilla alpina	Alpine Lady's Mantle	7	Camosciara
Alchemilla cf. flabellata	a Lady's Mantle	5	Passo Godi
Aremonia agrimonoides	Bastard Agrimony	2	Camosciara
Aria edulis (Sorbus aria)	Whitebeam	3	Val Fondillo
Crataegus monogyna	Hawthorn	2	Camosciara
Fragaria vesca	Wild Strawberry	2	Camosciara
Geum urbanum	Wood Avens	2	Camosciara
Malus sylvestris	Crab Apple	2	Camosciara
Potentilla detommasii	A Sulphur Cinquefoil	2	Camosciara
Potentilla recta	Sulphur Cinquefoil	6	Alba Fucens
Potentilla rigoana*	a Cinquefoil		Vallone Pesco di
	·	4	Lordo
Prunus mahaleb	St. Lucie's Cherry	2	Camosciara
Prunus spinosa	Blackthorn	2	Camosciara
Pyrus pyraster	Wild Pear	2	Camosciara
Rosa canina agg.	Dog Rose	3	Val Fondillo
Rubus fruticosa agg.	Bramble	5	Villalago
Sanguisorba minor	Salad Burnet	2	Camosciara
Sorbus aucuparia	Rowan	3	Val Fondillo
Rubiaceae	Bedstraw Family		
Cruciata laevipes	Crosswort	2	Camosciara
Galium aparine	Cleavers	4	La Difesa
Galium mollugo	Hedge Bedstraw	6	Alba Fucens
Galium odoratum	Woodruff	4	La Difesa
Sherardia arvensis	Field Madder	2	Camosciara
Salicaceae	Willow Family		
Populus nigra agg.	Black Poplar	3	Val Fondillo
Salix alba	White Willow	3	Val Fondillo
Salix caprea	Goat Willow	7	Camosciara
Salix purpurea	Purple Willow	7	Camosciara
Santalaceae	Sandalwood Family		
Thesium divaricatum	A Bastard Toadflax	3	Val Fondillo
Viscum album	Mistletoe	2	Camosciara
Sapindaceae	Maple Family		
Acer campestre	Field Maple	2	Camosciara
Acer monspessulanum	Montpelier Maple	2	Camosciara
Acer opalus	Italian Maple	2	Camosciara
Acer pseudoplatanus	Sycamore	3	Gioia Vecchio
Saxifragaceae	Saxifrage Family		
Saxifraga adscendens subsp.adscendens	Biennial Saxifrage	4	La Difesa
Saxifraga granulata	Meadow Saxifrage	2	Nr Hotel
Saxifraga porophylla*	Reddish Saxifrage	3	Val Fondillo
Saxifraga rotundifolia	Round-leaved Saxifrage	2	Camosciara
Caxin aga rotananona	J 3		
Saxifraga tridactylites	Rue-leaved Saxifrage		
	-	2	Nr Hotel

Scrophularia canina subsp. hoppii	Alpine Figwort	5	Passo Godi
Scrophularia vernalis	Yellow Figwort	4	La Difesa
Verbascum mallophorum	a large branched Mullein	2	Camosciara
Verbascum thapsus	Aaron's Rod	6	Alba Fucens
Thymelaeaceae	Daphne Family		
Daphne mezereum	Mezereon	2	Camosciara (leaves)
Daphne oleoides	-	5	Passo Godi
Urticaceae	Nettle Family		
Parientaria judaica	Pellitory of the Wall	5	Villalago
Urtica dioica	Nettle	2	Camosciara
Viburnaceae	Viburnum Family		
Sambucus ebulus	Dwarf Elder		
		2	Camosciara
Sambucus nigra	Elder	1	Roadsides
Viburnum lantana	Wayfaring Tree	3	Val Fondillo
Violaceae	Violet Family		
Viola alba subsp. dehnhardtii	A Violet (mauve)	2	Camosciara
Viola arvense	Field Pansy	3	Val Fondillo
Viola eugeniae*	a Pansy	3	Val Fondillo
Monocots	Monocotyledons		
Amaryllidaceae	Daffodil Family		
Galanthus nivalis	Snowdrop	4	La Difesa (leaves)
		4	24 2 11004 (104100)
Araceae	Arum Family		
Arum maculatum	Cuckoo Pint	2	Camosciara
Asparagaceae	Asparagus Family		
Leopoldia (Muscari) comosa	Tassel Hyacinth	3	Val Fondillo
Muscari neglectum	Dark Grape Hyacinth	3	Val Fondillo
Ornithogalum divergens	A Star-of-Bethlehem	2	Camosciara
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Asphodelaceae	Asphodel Family		
Asphodeline lutea	Yellow Asphodel	6	Alba Fucens
Colchicaceae	Autumn Crocus Family		
Colchicum lusitanum	an Autumn Crocus	2	Camosciara (leaves)
			,
Cyperaceae	Sedge Family		
Carex caryophyllea	Spring Sedge	3	Val Fondillo
Iridaceae	Iris Family		
Iris germanica	German Iris	1	Roadsides
Iris marsica*	Marsican Iris	1	Vallone Pesco di
- 1		4	Lordo
Melanthiaceae	Herb-Paris Family		
Paris quadrifolia	Herb-Paris	2	Camosciara
Veratrum lobelianum	Green False-helleborine	2	Camosciara (leaves)
veralium iopenamum			

Orchidaceae	Orchid Family		
Anacamptis morio subsp. morio	Green-winged Orchid	3	Val Fondillo
Cephalanthera damasonium	White Helleborine	5	Lago di Barrea
Cephalanthera longifolia	Sword-leaved Helleborine	2	Camosciara
Corallorhiza trifida	Coralroot Orchid	2	Camosciara
Cypripedium calceolus	Lady's Slipper Orchid	7	Camosciara
Dactylorhiza fuchsii	Common Spotted Orchid	2	Camosciara (leaves)
Dactylorhiza incarnata	Early Marsh Orchid	3	Val Fondillo
Dactylorhiza sambucina	Elder-flowered Orchid	5	Passo Godi
Himantoglossum adriaticum	Adriatic Lizard Orchid	6	Alba Fucens
Neotinea (Orchis) tridentata	Toothed Orchid	2	Camosciara
Neotinea (Orchis) ustulata	Burnt Orchid	5	Passo Godi
Neottia ovata	Twayblade	2	Camosciara
Neottia nidus-avis	Bird's Nest Orchid	2	Camosciara
Ophrys bertolonii	Bertoloni's Bee Orchid	6	Alba Fucens
Ophrys holosericea subsp. holosericea	Late Spider Orchid	6	Alba Fucens
Ophrys holosericea ssp. holosericea (O. dinarica)	A Late Spider Orchid	3	Val Fondillo
Ophrys sphegodes subsp. atrata (incubacea)	Dark Ophrys	6	Alba Fucens
Ophrys sphegodes subsp. sphegodes	Early Spider Orchid	6	Alba Fucens
Orchis anthropophora	Man Orchid	5	Nr Villetta Barrea
Orchis mascula	Early Purple Orchid	5	Passo Godi
Orchis mascula subsp. speciosa (O. ovalis)	an Early Purple Orchid	2	Camosciara
Orchis x colemannii (O. mascula x pauciflora)	Hybrid Orchis	5	Passo Godi
Orchis militaris	Military Orchid	3	Val Fondillo
Orchis pallens	Pale-flowered Orchid	5	Passo Godi
Orchis pauciflora	Sparse Flowered Orchid	5	Passo Godi
Orchis purpurea	Lady Orchid	2	Camosciara
Platanthera bifolia	Lesser Butterfly Orchid	6	Alba Fucens
Poaceae	Grass Family		
Aegilops geniculata	Aegilops	6	Alba Fucens
Poa bulbosa subsp. vivipara	Viviparous Meadow-grass	3	Val Fondillo
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Lecanoromycetes	Lichens		
Lobaria pulmonaria	Lungwort	4	La Difesa





Camosciara Lady Orchid