

The Maritime Alps

Wildlife at Leisure

A Greentours Tour Report

4th to 12th July 2018

Led by Paul Cardy

Daily Accounts and Systematic Lists written by Paul Cardy

The third of the Greentours summer Alpine trilogy, following on from the Dolomites and the Central Italian Alps, was an excellent week in the western Alps, on both the French and Italian sides of the glorious Maritime Alps. Even after eighteen years of leading tours here, and living just to the north in Italy, the area still holds some surprises.

The wealth of flowers was a daily feature, and among many plant highlights were *Allium narcissiflorum*, *Saxifraga cochlearis*, and *Saxifraga callosa* all in fine flower, the latter locally abundant cascading from cliffs and walls. Notable were the beautiful endemic *Viola valderia*, many of the local speciality *Nigritella corneliana*, *Primula latifolia*, *Gentiana rostanii*, *Phyteuma globulariifolium*, and the endemic *Knautia mollis*.

It was also a very good season for butterflies, stand outs including Clouded Apollo, White-letter Hairstreak, Large Blue, Ripart's Anomalous Blue, Duke of Burgundy, Southern White Admiral, Large Tortoiseshell, Twin-spot Fritillary, Lesser-spotted Fritillary (rare here), Grison's Fritillary, False Mnestra Ringlet, and Lulworth Skipper.

Our hotel for the week was situated in the hamlet of Casterino, on the eastern boundary of the Mercantour National Park. The fine location allowed easy access to a great variety of habitats, the length of the Roya valley, lower Mediterranean influenced sites, the Val de Merveilles, and the Italian Alpi Maritime, a superbly productive area. We enjoyed superb dinners in the hotel's excellent restaurant, complete with log fire and paintings of such subjects as Ibex standing among *Saxifraga florulenta*! Although we were in France, the area has a distinct Italian feel.

During the week our daily excursions mixed lower Mediterranean influenced sites, through mid altitude meadows and subalpine forests, to alpine pastures above the tree line, producing a wealth of flora and fauna in these different habitats.

I met the group at Nice Airport on the Thursday afternoon. Arrival was prompt, although as usual meeting arrivals at the two different terminals was a challenge! Late afternoon saw a summer storm and heavy rain as we drove east along the Cote d'Azur, but this was almost the only rain we would have all week, other than occasionally during the evening or overnight. The journey took us into Italy, the province of Imperia, and we

headed inland along the gorges of the Roya Valley before taking the side valley to our hotel. There we settled into the comfortable rooms, me and the mini-bus billeted in the more basic chalet above, with horses grazing outside the window.

Our first full day in the area was spent completing an exciting and productive circuit, driving up to and through the Tende tunnel, into Italy, taking the road to the Col, and then the exciting road back to Casterino on the French side. The tunnel is now controlled by traffic lights whilst extensive works are in progress. Mostly we were lucky with timings this week and today only had to wait six minutes for a green light.

Our first scheduled stop was at the old attempt at a tunnel, made as early as 1615. This being our first stop, all the plants at the forest edge and on the rocks were new so we spent some time here. The cave itself was wonderfully cool. Our first *Saxifraga callosa* cascaded, and there was a large mat of *Primula marginata* in fruit. *Arabis alpina*, *Minuartia villarii*, and endemic *Moehringia lebrunii* were also in flower. The views were already sublime. Northern Wall Brown was on the wing. *Dactylorhiza fuchsii* flowered at the forest edge.

Woodland edge nearby had lush vegetation with much Alpine Sow-thistle, *Chaerophyllum hirsutum*, and the local umbellifer *Trochiscanthes nodiflora* in good form. Further on was a Marmot colony, somewhat disturbed by grazing cows. Butterflies started here in earnest, among them Piedmont Ringlet, Purple-edged Copper, and Osiris Blue.

It was the rocks higher up that revealed many fine flowers. *Saxifraga callosa* was in fine form, cascading abundantly from cliff faces and fort walls and *Saxifraga caesia* was in bud. The endemic *Allium narcissiflorum* was in superb flower and surely a trip highlight. Both *Bupleurum petraeum* and *Bupleurum ranunculoides* were very attractive, and *Silene saxifraga* and *Silene campanula* were both here. The endemic *Dianthus subacaulis* was in flower and *Dryas octopetala* was still in bloom. The white-felted *Hieracium tomentosum* was very common, and *Globularia cordifolia* and *Globularia repens* were both in flower. *Hypericum richeri*, Alpine Aster, and Dark Stonecrop were among the many other plants. The large flowered *Hypochoeris uniflora* was very impressive, and *Arenaria grandiflora* and *Pedicularis gyroflexa* continued the variety.

Large ruined nineteenth century forts are a feature of the col, a very atmospheric place. A drive a little further along the track on the French side of the col, to one of these forts, gave fine views down the French side of the tunnel, of the amazing series of switchbacks of the old road, and was an ideal picnic site. *Dianthus carthusianorum* was in flower and beautiful *Scutellaria alpina* was a feature of the area.

In the afternoon we continued along the very quiet track on the French side of the col, making a series of short stops. Plants continued with *Sedum sexangulare*, *Sedum album*, *Sedum dasyphyllum*, *Sedum anacampseros*, *Sedum annuum*, *Saxifraga aspera*, and *Linaria supina*. A perched Short-toed Eagle was an especially pale individual.

We reached extensive meadows, the vegetation generally showing strong eutrophication, but with gems among it like a fine slope of *Nigritella corneliana* on shorter turf. Both colour forms of Elder-flowered Orchids had only just gone over. Next was a productive mud-puddling spot. Most notable was the only Ripart's Anomalous Blue of the tour, there was a selection of fritillaries, Almond-eyed Ringlet, and Dingy

Skipper. The endemic *Silene cordifolia* was in flower, and *Hypericum coris* was attractive, a species we would see at a few sites.

Before long Casterino appeared below us, and the welcome sight of our hotel, and the drive had been a very pleasing and productive circuit.

The next day was Saturday and I had chosen rather more local sites to avoid some busier areas at the weekend. Cliffs near the hotel had much *Jovibarba allionii* in bud, an impressive endemic, and *Linaria supina* and *Veronica fruticulosa* grew on the river gravels. In meadows was a lone Burnt-tip Orchid. Here too were *Cerintho minor*, *Anthyllis montana*, and *Teucrium montanum*. *Cephalaria alpina* was in bud.

Below Casterino both *Digitalis lutea* and *Digitalis grandiflora* flowering together prompted a stop. *Geranium macrorrhizum* here at a western outpost of its range, was a pleasing find in flower, growing over boulders. *Saxifraga cuneifolia* was in flower even in full sun. Here was the one and only Apollo of the tour, associated with the several species of *Sedum*. *Campanula persicifolia* was in impressive flower.

Above La Brigue we visited a small chapel and walked a wooded track. We soon reached a track that took us away from the driveable dirt road. It was very hot here today and there were many butterflies. A bright orange flower caught our eye on the trackside, *Leucanthemum discoideum*, a near endemic, and very attractive, being an ox-eye daisy with no ray petals. A single *Orobanche gracilis* parasitised legumes. Among the butterflies were Large Tortoiseshell, Speckled Wood, Arran Brown, Amanda's Blue, and Southern White Admiral. Brown Trout were in the stream.

Lunch was eaten at a shady riverside spot. Fine *Saxifraga cochlearis* flowered commonly on nearby boulders. Bracket fungi had a distinctive black and red beetle visibly feeding on them. This was *Diaperis boleti*, a rare species in Britain.

Back in the Roya Valley we stopped by the eponymous river at Saorge, the town perched impressively above us. Here the cliffs had much *Opuntia*, figs, and other lower altitude species showing the strong Mediterranean influence, and *Sedum cepaea* was new to us. Southern White Admiral was among the butterflies, and Beautiful Demoiselle, beautiful indeed, frequented the river bank.

Among the many other plants showing the Mediterranean influence were *Nigella damascena*, *Consolida regalis*, *Coriaria myrtifolia*, pink flowered *Helianthemum nummularium semiglabrum*, *Bituminaria bituminosa*, *Lathyrus tuberosus*, *Tordylium maximum*, *Orlaya grandiflora*, *Pallenis spinosa*, and *Urospermum dalechampii*. Butterflies included Meadow Brown, High Brown Fritillary, White-letter Hairstreak, Red-underwing Skipper, Mallow Skipper, and Lulworth Skipper.

A small cave had the endemic *Sedum fragrans* in flower, and *Potentilla saxifraga* in leaf. *Senecio cineraria* was in flower, and Maidenhair Fern grew in the shady cave. A short sharp shower allowed a few practicalities such as fuel and shopping for a few picnic supplies, before we returned to the cave mouth for another short stop when the rain stopped.

On Sunday we again managed to avoid most of the traffic. Lower Mediterranean influenced sites produced much of interest. A layby west of Breil was far more than it sounds. The first of many beautiful blue flowered *Catananche caerulea* was here, with lovely papery bracts. Notably there had been no rest-harrows

in the checklist last night, here were three, *Ononis natrix*, *Ononis spinosa*, and *Ononis minutissima*. Associated with them, its foodplant, was the scarce burnet *Zygaena hylaris*, a pleasing find, and later we would see another. Marbled Whites were a feature. A beautiful Western Green Lizard scuttled over the warm rocks and Broad-leaved Helleborine was in flower.

At the next stop, *Bupleurum baldense* and *Quercus crenata* were pleasing additions to the list. *Fritillaria involucrata* was in fruit, and *Centaurea leucophaea* was rather common in the area. *Clematis flammula* was in fine flower on the roadsides, Phoenician and Prickly Juniper, and Lavender, now characterising the habitat. Two species of Globe Thistle, *Echinops ritro* and *Echinops sphaerocephalus*, grew in the area, and many of the pines were parasitised by Mistletoe.

A productive day for flaxes, we saw blue flowered *Linum austriacum collinum*, pink *Linum viscosum*, white *Linum tenuifolium*, and yellow *Linum strictum*.

Interesting winding roads took us through and above the town of Sospel.

A forest stop had Deadly Nightshade in flower. This was a very productive butterfly site, one of the most productive of the tour, with many species and large numbers of individuals. Among the fritillaries were High Brown, Queen-of-Spain, Marbled, and Heath. Among the other species here were Little, Large, Mazarine, Amanda's, and Escher's Blues, Large Grizzled Skipper, and Red-underwing Skipper. Most of the lycaenids were in one group of mud puddling blues. *Salvia glutinosa* was in leaf and *Calamintha grandiflora* was in impressive flower. Several ascelaphids were on the wing.

The winding road took us to and over the forested Col de Turini. Lunch was set out at a supremely scenic viewpoint along a road with almost no traffic, the hairpins winding below us. Here among Downy Oaks were Tree Heath, *Filago vulgaris*, and *Carduus litigiosus*, and *Dianthus seguieri* was added to the list.

Another fine Mediterranean site had much *Eryngium campestre* parasitised by many *Orobanche lavandulacea*, although all these were unusually pale in colour. Another scarce species of burnet was here, *Zygaena sarpedon*, the *Eryngium* its foodplant. *Teucrium polium* was in flower, as were *Sideritis hirsuta* and *Trifolium stellatum*. Much *Cuscuta epithimum*, parasitising mostly thyme, grew in the area. *Convolvulus cantabrica*, *Inula montana*, and *Inula salicina* were all seen. Cleopatra was numerous today, with Brimstone common too. *Stipa eriocaulis* was at the next stop, and I was pleased to find a beautiful little stick insect, but we learnt that Cynthia was phasmophobic!

Next we came upon a fantastic scrubby corner that was alive with butterflies around the flowering brambles, another highlight. Amid masses of Marbled Fritillaries was a Twin-spot still in fine condition. Sloe and Ilex Hairstreaks were both here, and Comma.

We had earned an ice-cream stop in Sospel. Back into Italy, in Imperia, the vegetation here already very dry, a short stop yielded *Staelina dubia* and Scarce Swallowtail.

This year being the first in which we had spent a whole week in Casterino, this a Wildlife at Leisure tour, allowed for an extra excursion, an all day 4WD trip to the famous Val des Merveilles not far from the hotel. This was an adventure we will not soon forget. The rough road took us initially through forest, and above the treeline into fine open vistas. It was about an hours rough drive. Our guide and driver Luca stopped now and

again to point out geological features, and surprising signs of civilisation such as the disused mine and associated habitation not far from the start of the track. I was delighted to spot *Primula latifolia* still in flower and those of us who later walked down would see it closely.

On the slopes of Mt.Bego, the Merveilles valley boasts many rocks and boulders with carvings, mostly dating from the second millenium B.C. We set out on a walk around the boulder-strewn landscape to see some fine rock carvings, although of course they amounted to just a very few that the area boasts, which is some 40,000. We saw carvings of arrows, the sun, animals, human figures, and various mysterious symbols. Graffiti spanning the last two thousand years, some of it Roman, adorned the rock wall where we ate lunch. The whole area was well monitored by the guards we met, and in some parts we just could not leave the trail.

The acidic flora here was somewhat limited but there was superb *Gentiana rostanii* in wet flushes, where *Tofieldia calyculata* and *Viola palustris* were in flower. *Cardamine asarifolia* flowered beside a stream, there was *Viola biflora*, and much *Dactylorhiza majalis*. Boulders had *Senecio incanus* and *Phyteuma globularifolium*, and the endemic *Galium tendae* was in fine form. Plants continued with *Silene exscapa*, *Minuartia recurva*, *Trifolium alpinum* common, Lesser Masterwort, *Bartsia alpina*, and *Pinguicula leptoceras*. Ferns featured with much Parsley Fern, Forked Spleenwort, Alpine Lady Fern, and Holly Fern. *Spergularia rubra* flowered in the path.

Primula latifolia was abundant, but all in fruit, even in well sheltered crevices. Strange that we had seen that plant in flower lower down but none of these higher plants were in bloom. *Primula marginata* was also numerous in fruit. *Dianthus furcatus*, *Dianthus pavonius*, and *Dianthus sylvestris* were all here and *Cardamine resedifolia* was in flower.

Butterflies were almost absent, the most notable being mating Carline Skippers that Maurice was able to get good photos of. The alarm calls of Marmots were a feature, although they were unusually hard to locate we did see a few basking on boulders. Northern Wheatear, Dunnock, and most notably Citril Finch were among the birds.

Back at the refuge I bought cakes and coffee for everyone to celebrate our walk. We had to wait for the French couple who were sharing our vehicle, as they had joined a large French group to tour the carvings, so Jennie, Celia and I set off on foot ahead of the vehicle, leaving Maurice and Cynthia to wait with Luca. It was much gentler to walk down than bump in the vehicle and we saw a lot a good things. Finally the vehicle caught us up and we did bump down the remainder of the way to the paved road.

Among the many things we saw when walking down were *Sagina glabra*, *Saxifraga stellaris*, *Saxifraga exarata*, *Hugueninia tanacetifolia*, *Ajuga genevensis*, and *Leucanthemum atratum ceratophylloides*. Some interesting sedges today, for those interested in such things, were *Carex foetida*, *Carex curta*, and *Carex lachenalii*.

At dinner that evening we reflected on a very adventurous day!

The next day saw initially a longer drive back through the Tende tunnel (no wait at all) and into Italy, to the other side of Mercantour, and fine habitat that made the journey very worthwhile.

The Santa Anna valley took us into superb habitat, bursting with flowers. *Lychnis flos-jovis* provided splashes of vivid pink, there were some very robust *Campanula spicata*, many fine clumps of *Scutellaria alpina*, large flowered *Lamium garganicum*, *Digitalis grandiflora*, *Veronica fruticans*, *Centaurea nervosa* with beautiful feathery bracts, and *Polygonum alpinum*. A good area for rampions, here were *Phyteuma betonicifolium*, *Phyteuma michelii*, and *Phyteuma ovatum*. Lilies were represented by St. Bruno's, St. Bernard's, and Orange Lily. The endemics *Veronica allionii* and *Potentilla valderia* were here too. *Armeria alpina* was a feature.

Almond-eyed Ringlets flew over the flowery slopes, Clouded Apollo was still on the wing and Purple-shot Copper was in superb form. Lesser Spotted Fritillary was a pleasing find, a scarce butterfly in Piemonte, *Verbascum* the foodplant. Ascelaphids were on the wing, and its always a challenge to explain their affinities, notably here I actually saw an ant lion too, belonging to a related family.

Plants continued with *Silene saxifraga*, *Galium obliquum*, *Hypericum coris*, the lovely *Viola valderia*, and *Pedicularis tuberosa*.

The Col de la Lombarde, at about 2,300m, boasted fine views of the surrounding peaks as a backdrop. Marmots whistled their alarm calls. One slope had very many of the endemic vanilla orchid *Nigritella corneliana*, in superb flower this year, whilst *Pedicularis rostratospicata* was very common indeed. Trumpet Gentians and *Viola calcarata* were in flower. Marsh Fritillary was in fine form.

Next we explored the alpine flora around a small lake, although things were somewhat backward this year, especially butterfly wise. One of the first plants that caught our attention was *Adenostyles leucophylla* with its distinctive white woolly leaves, and there were some fine patches of Parsley Fern growing among the rocky outcrops. Green Sandpiper called and flew from the water's edge and Rock Thrush was seen briefly.

Alpenrose bloomed, and before long we were finding Small White Orchids dotted around in the turf, there were many this year, Frog Orchids too, and Moonwort. The silver leaved *Senecio incanus* was not yet in flower, but splashes of yellow were provided by *Potentilla grandiflora*. The wetter flushes nearer the lake held an interesting selection of rushes and sedges. A Bath White was seen well, impossible to assign to species, the ranges of *daplidice* and *edusa* overlapping here, and only biochemically distinguishable. A few *Primula marginata* were still just in flower on boulders.

This is usually an excellent site for butterflies, but this year it seemed that none of the specialities were on the wing. Usually we hope to see species such as the endemic False Mnestra Ringlet (seen later in the day however), Western Brassy Ringlet, Mountain Clouded Yellow, and Mountain, Shepherd's, Grisons, and Cynthia's Fritillaries on these alpine slopes. Swallowtail however caused much interest!

Water Pipit, Black Redstart, and Northern Wheatear were the birds typical of this habitat.

Lunch was eaten on the French side of the Col where the flora really was very backward. An excursion lower down the valley to a rock where I had been fortunate to see *Saxifraga florulenta* in flower in the past, and often its impressive rosettes, failed to even produce any rosettes today. There was however more of the endemic *Silene cordifolia*.

Back into Italy we made more stops in the superb flowery valley. *Gentiana rostanii* flowered in a wet seep. Beautiful dark *Phyteuma ovatum* was admired. Butterflies continued with Alpine Heath, Mountain Argus, and a male Orange-tip still on the wing. Most notable was the endemic False Mnestra Ringlet.

Sempervivum arachnoideum was still abundantly in flower, a real feature of the area at this time. *Rhinanthus burnatii* was identified and new for the trip list. We made the longish drive home after a very enjoyable and productive day, the wait at the tunnel a little longer this evening.

The last full day was a local one, and above Casterino we admired more floral wealth. Yellow Gentians were mostly in fruit, there was another lone Burnt-tip Orchid, two Common Twayblades, the first we'd seen, *Crepis conyzifolia*, and *Tulipa sylvestris australis* in fruit. *Sempervivum montanum*, *Sempervivum tectorum*, and *Sedum anacampseros* were here. We saw the only Duke of Burgundy of the tour, and we even attracted some passers by with this. Spotted Fritillary and Large Ringlet were the first we'd seen, and Sooty Copper was in fine form. Martagons were locally numerous, and a shady stream had *Ranunculus platanifolius* and *Streptopus amplexifolius*. The endemic *Knautia mollis* had very soft foliage. Titania's Fritillary was on the wing.

A little further up the track white flowered *Verbascum lychnitis* was in bloom, and the endemics *Campanula fritschii* and *Campanula stenocodon*. This was a beautifully floriferous quiet rocky track, streams flowing below or across the road.

We met Marina from the hotel, driving en route to Italy via the Col, but she soon appeared driving back down, thwarted by roadworks, the track above temporarily closed. Many butterflies mud puddled on the damp track, False Heath Fritillary and Knapweed Fritillary a feature. Glanville Fritillary was here too and notable was the only Grison's Fritillary of the tour, a species I usually associate with more open alpine grassland. We were able to compare Silver-studded and Idas Blues side-by-side. Jennie spotted a Chamois in classic pose on the ridge above us.

Below Casterino we took a riverside walk. *Minuartia rostrata* and *Linaria supina* flowered on the gravels, and Celia found *Goodyera repens* in bud on boulders. Greater Masterwort was in flower. Of great interest here were some very clear carnivore prints in the mud. There were definately no claws visible, these were cat prints. And much too large for a domestic cat. Lynx! Very clearly. Western European populations of this most characterful mammal are reintroduced. Always scarce, this was a great find, to know that they are present in the valley.

We ate our last picnic by the river. In the afternoon all opted to come to Tende for a visit to the excellent Museum des Merveilles, and its attached bookshop. This was an ideal last afternoon pursuit and allowed an earlier finish for packing and a final stroll around Casterino before we enjoyed our last excellent dinner in the hotel. The museum boasted fascinating exhibits, particularly of interest as we had visited the valley itself. At dinner we reflected on how enjoyable and productive a tour it had been.

No need for too early a start the next day, we started the drive towards Nice just before ten, the journey straightforward.

Before we left I found several moths attracted to the lights of my chalet. Annoyingly most of the week there had been almost none. Highlight this morning was a Marsh Carpet.

The last drive down the winding Casterino road saw us saying au revoir to Lion Rock. We reached the coast, blue skies and tranquil sea. At the airport we said our fond farewells at the 'Kiss and Fly'.

I set off back towards the Tende tunnel and didn't get home until some six hours later. The next day I drove to Turin airport to return the mini-bus which had been our reliable transport for the three Alpine tours.

Maritime Alps July 2018 Systematic Lists

Compiled by Paul Cardy

Itinerary

- Day 1. Thursday 5th July.** Arrival, to Casterino
- Day 2. Friday 6th July.** Col de Tende
- Day 3. Saturday 7th July.** Casterino, La Brigue, Saorge
- Day 4. Sunday 8th July.** Breil, Sospel, Col de Turini, Sospel
- Day 5. Monday 9th July.** Val des Merveilles
- Day 6. Tuesday 10th July.** Val Sta. Anna, Col de Lombarde
- Day 7. Wednesday 9th July.** Casterino, Tende
- Day 8. Thursday 10th July.** To Nice, Departure

Systematic List Number 1

Plants

The systematic order and nomenclature follow 'Flora Alpina' by Aeschimann et al (2004), the standard work for the area.

Ferns and Allies

<i>Selaginella helvetica</i>	Swiss Clubmoss	Roya Valley
<i>Equisetum hyemale</i>	Rough Horsetail	Sta. Anna
<i>Equisetum ramosissimum</i>	Branched Horsetail	
<i>Equisetum variegatum</i>	Variogated Horsetail	Casterino area
<i>Equisetum arvense</i>	Common Horsetail	Scattered records
<i>Botrychium lunaria</i>	Moonwort	Tende and Lombarde
<i>Adiantum capillus-veneris</i>	Maidenhair Fern	Saorge
<i>Cryptogramma crispa</i>	Parsley Fern	Tende, Merveilles, Col du Lombardie
<i>Polypodium cambricum</i>	Southern Polypody	Noted on day 7
<i>Polypodium vulgare</i>	Common Polypody	Widespread
<i>Polypodium interjectum</i>	Intermediate Polypody	Saorge etc.
<i>Pteridium aquilinum</i>	Bracken	Scattered records
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	Widespread
<i>Asplenium fontanum</i>	Smooth Rock Spleenwort	Roya Valley
<i>Asplenium adiantum-nigrum</i>	Black Spleenwort	Tende
<i>Asplenium septentrionale</i>	Forked Spleenwort	Locally common on acidic rocks
<i>Asplenium ruta-muraria</i>	Wall-rue	Tende etc.
<i>Asplenium ceterach</i>	Rusty-back Fern	Sospel area
<i>Athyrium filix-femina</i>	Lady Fern	Casterino area
<i>Athyrium distentifolium</i>	Alpine Lady Fern	Scattered at higher altitudes, e.g. Merveilles
<i>Cystopteris fragilis</i>	Brittle Bladder Fern	Scattered records
<i>Gymnocarpium dryopteris</i>	Oak Fern	Merveilles
<i>Polystichum lonchitis</i>	Holly Fern	Numerous Merveilles
<i>Polystichum aculeatum</i>	Hard Shield Fern	Roya Valley
<i>Dryopteris filix-mas</i>	Male Fern	Locally common
<i>Dryopteris affinis</i>	Scaly Male Fern	Widespread
<i>Dryopteris villarii</i>	Rigid Buckler Fern	Tende etc.

Gymnospermae

Pinaceae

<i>Abies alba</i>	Silver Fir	Casterino road etc.
<i>Picea abies</i>	Norway Spruce	Widespread and often dominant
<i>Larix decidua</i>	Larch	Widespread and often dominant
<i>Pinus sylvestris</i>	Scot's Pine	Widespread and often dominant
<i>Pinus mugo</i> ssp. <i>mugo</i>	Dwarf Mountain Pine	Higher altitudes
<i>Pinus mugo</i> ssp. <i>uncinata</i>	Mountain Pine	Widespread
<i>Pinus halepensis</i>	Aleppo Pine	Nice and lower Roya Valley
<i>Pinus cembra</i>	Arolla Pine	Local at higher altitudes

Cupressaceae

<i>Cupressus sempervirens</i>	Italian Cypress	Saorge and Nice
<i>Juniperus communis</i> ssp. <i>communis</i>	Juniper	Scattered records
<i>Juniperus communis</i> ssp. <i>alpina</i>	Prostrate Juniper	Locally common at higher altitudes
<i>Juniperus oxycedrus</i>	Prickly Juniper	Lower Roya Valley
<i>Juniperus phoenicea</i>	Phoenician Juniper	Sospel area

Angiospermae

Dicotyledons

Ranunculaceae

<i>Helleborus viridis</i>	Green Hellebore	Roya Valley
<i>Nigella damascena</i>	Love-in-a-Mist	Saorge
<i>Trollius europaeus</i>	Globeflower	Col de la Lombarde and Tende
<i>Aconitum lycoctonum</i> ssp. <i>vulparia</i>	Wolfsbane	Casterino area, Isola, etc.
<i>Aconitum napellus</i>	Monk's-hood	In leaf
<i>Consolida regalis</i>	Forking Larkspur	Saorge
<i>Anemone narcissiflora</i>	Narcissus Anemone	In fruit at Tende
<i>Hepatica nobilis</i>	Hepatica	In leaf in Roya Valley, and Casterino
<i>Pulsatilla alpina</i>	Alpine Pasque Flower	Locally common at higher altitudes, all in seed
<i>Clematis flammula</i>	Virgin's Bower	In fine flower in Sospel area
<i>Clematis vitalba</i>	Traveller's Joy	Widespread and locally very common
<i>Ranunculus acris</i>	Meadow Buttercup	Widespread
<i>Ranunculus montanus</i>	Mountain Buttercup	Common at higher altitudes
<i>Ranunculus villarsii</i>	a mountain buttercup	Col de la Lombarde. Endemic.
<i>Ranunculus plataniifolius</i>	a buttercup	Tende and Casterino
<i>Ranunculus kuepferi</i>	a buttercup	A few still in flower at Merveilles and Lombarde
<i>Thalictrum minus</i>	Lesser Meadow-rue	Roya Valley

Berberidaceae

<i>Berberis vulgaris</i>	Barberry	Casterino area
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Coriariaceae

<i>Coriaria myrtifolia</i>	Mediterranean Coriaria	Lower Roya valley
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Papaveraceae

<i>Papaver dubium</i>	Long-headed Poppy	Roya Valley
<i>Papaver rhoeas</i>	Corn Poppy	Scattered records
<i>Chelidonium majus</i>	Greater Celandine	

Ulmaceae

<i>Ulmus glabra</i>	Wych Elm	
<i>Ulmus minor</i>	Small-leaved Elm	
<i>Celtis australis</i>	Nettle Tree	

Cannabaceae

Humulus lupulus Hop

Moraceae

Ficus carica Fig

Urticaceae

Urtica dioica Common Nettle Common
Parietaria judaica Pellitory-of-the-Wall Scattered records

Juglandaceae

Juglans regia Walnut

Fagaceae

Fagus sylvatica Beech
Castanea sativa Sweet Chestnut
Quercus ilex Holm Oak
Quercus cerris Turkey Oak
Quercus petraea Sessile Oak
Quercus pubescens Downy Oak
Quercus crenata an oak

Betulaceae

Betula pendula Silver Birch
Alnus viridis Green Alder
Alnus glutinosa Alder
Alnus incana Grey Alder
Carpinus betulus Hornbeam
Ostrya carpinifolia Hop Hornbeam
Corylus avellana Hazel

Cactaceae

Opuntia sp. a prickly pear Saorge Gorge, *O. humifusa*?

Chenopodiaceae

Chenopodium bonus-henricus Good King Henry Scattered
Chenopodium album Fat-hen Scattered

Caryophyllaceae

Arenaria grandiflora Large-flowered Sandwort Tende
Arenaria multicaulis a sandwort Casterino
Arenaria serpyllifolia Thyme-leaved Sandwort Recorded
Moehringia lebrunii a sandwort Tende. Endemic.
Moehringia muscosa Mossy Sandwort La Brigue
Minuartia rostrata a sandwort Casterino

<i>Minuartia recurva</i>	Recurved Sandwort	Col de la Lombarde and Merveilles
<i>Minuartia villarii</i>	a sandwort	Tende old tunnel entrance
<i>Minuartia capillacea</i>	a sandwort	
<i>Minuartia laricifolia</i>	a sandwort	Locally common at mid altitudes, e.g. Sta.Anna
<i>Stellaria nemorum</i>	Wood Stitchwort	
<i>Stellaria media</i>	Chickweed	
<i>Cerastium arvense</i>	Field Mouse-ear	Widespread
<i>Cerastium fontanum</i> ssp.vulgare	Common Mouse-ear	Scattered records
<i>Cerastium glomeratum</i>	Sticky Mouse-ear	
<i>Sagina glabra</i>	Lawn Pearlwort	Merveilles and Lombarde
<i>Spergularia rubra</i>	Sand Spurrey	Merveilles
<i>Silene flos-jovis</i>	Purple Lychnis	Widesspread and often very common
<i>Silene italica</i>	Italian Catchfly	Roya Valley
<i>Silene nutans</i>	Nottingham Catchfly	Scattered records
<i>Silene cordifolia</i>	a catchfly	Above Casterino and below Isola 2000. Endemic.
<i>Silene vulgaris</i>	Bladder Campion	Scattered records
<i>Silene campanula</i>	a catchfly	Tende upper rocks
<i>Silene saxifraga</i>	Tufted Catchfly	Tende
<i>Silene excapa</i>	a moss campion	Acidic rocks at Merveilles
<i>Silene rupestris</i>	Rock Campion	Locally common, e.g. Lombarde
<i>Silene latifolia</i> ssp. alba	White Campion	Widespread
<i>Gypsophila repens</i>	Creeping Gypsophila	Tende and Casterino
<i>Saponaria ocymoides</i>	Rock Soapwort	Scattered records
<i>Saponaria officinalis</i>	Soapwort	Roadsides
<i>Petrorhagia saxifraga</i>	Tunic Flower	Saorge and Sta.Anna
<i>Petrorhagia prolifera</i>	Proliferous Pink	Saorge
<i>Dianthus balbisii</i>	a pink	Roya Valley
<i>Dianthus carthusianorum</i>	Carthusian Pink	Tende
<i>ssp.atrorubens</i>		
<i>Dianthus seguieri</i>	a pink	Near Col de Turini
<i>Dianthus furcatus</i>	Painted Pink	Scattered records, e.g. Casterino
<i>Dianthus pavonius</i>	Three-veined Pink	Scattered records, e.g. Merveilles
<i>Dianthus sylvestris</i>	Wood Pink	Common and widespread
<i>Dianthus subacaulis</i>	a pink	Tende

Polygonaceae

<i>Polygonum aviculare</i>	Knot-grass	Scattered
<i>Polygonum bistorta</i>	Bistort	Widespread
<i>Polygonum viviparum</i>	Viviparous Bistort	Merveilles and Lombarde
<i>Polygonum alpinum</i>	Alpine Knotgrass	Locally common at altitude, e.g. Lombarde
<i>Rumex acetosella</i>	Sheep's Sorrel	Merveilles
<i>Rumex scutatus</i>	French Sorrel	Widespread and common
<i>Rumex alpestris</i>	Mountain Dock	Col de la Lombarde, Tende, and Casterino area
<i>Rumex acetosa</i>	Common Sorrel	Scattered
<i>Rumex alpines</i>	Monk's Rhubarb	Common around alpine pastures
<i>Rumex crispus</i>	Curled Dock	Scattered
<i>Rumex conglomeratus</i>	Clustered Dock	Roya Valley

Rumex obtusifolius

Broad-leaved Dock

Plumbaginaceae

Armeria alpina

Mountain Thrift

Tende and Lombarde

Hypericaceae

Hypericum coris

Heath-leaved St.John's-wort Tende, Roya Valley, Casterino

Hypericum montanum

Pale St.John's-wort Tende, Roya

Hypericum richeri

Alpine St.John's-wort Tende, Casterino

Hypericum perforatum

Perforate St.John's-wort Widespread

Tiliaceae

Tilia platyphyllos

Large-leaved Lime

Tilia cordata

Small-leaved Lime

Malvaceae

Malva alcea

Hollyhock Mallow

Casterino road

Malva moschata

Musk Mallow Above

Casterino

Althaea cannabina

a marsh mallow

Lower roadsides

Cistaceae

Cistus albidus

Grey-leaved Cistus

A few still in flower Sospel area, many in fruit

Helianthemum nummularium

Common Rock-rose

Widespread

ssp.semiglabrum

This pink flowered subspecies at Saorge

Helianthemum apenninum

White Rock-rose

Tende and Roya Valley

Fumana procumbens

Heath-rose

In fruit Sospel area

Fumana ericoides

a heath-rose

In fruit Sospel area

Violaceae

Viola palustris

Bog Violet

In flower Merveilles

Viola biflora

Yellow Wood Violet

Merveilles and Lombarde

Viola valderia

Maritime Alps Pansy

Val Sta.Anna. Endemic.

Viola calcarata

Long-spurred Pansy

Merveilles and Lombarde. The yellow flowered *ssp.cavillieri* at Lombarde.

Viola kitaibeliana

Dwarf Pansy

La Brigue

Salicaceae

Salix alba

White Willow

Salix appendiculata

Large-leaved Willow

Salix cinerea

Grey Willow

Salix caprea

Goat Willow

Salix viminalis

Osier

Salix eleagnos

Olive Willow

Salix purpurea

Purple Willow

Populus alba

White Poplar

Populus tremula Aspen
Populus nigra Black Poplar

Brassicaceae

Sisymbrium austriacum Austrian Rocket Lombarde etc.
Hugueninia tanacetifolia Tansy-leaved Rocket Lombarde and Merveilles
Bunias orientalis Warty Cabbage Common at Casterino
Erysimum sp. a treacle-mustard Tende. Very complex group.
Barbarea vulgaris Winter-cress Scattered
Cardamine asarifolia Asarum-leaved Bittercress Along watercourses, e.g. Sta. Anna, and Merveilles

Cardamine resedifolia Mignonette-leaved Bittercress Merveilles
Cardamine impatiens Narrow-leaved Bittercress A few records
Arabis hirsuta Hairy Rock-cress Scattered records
Arabis serpillifolia a rock-cress
Arabis alpina Alpine Rock-cress Tende, old tunnel entrance
Draba dubia Austrian Whitlow-grass
Kernera saxatilis Kernera Tende and Roya Valley
Capsella bursa-pastoris Shepherd's-Purse Scattered
Biscutella laevigata Buckler Mustard Widespread
Biscutella coronopifolia a buckler mustard
Lepidium campestre Field Pepperwort

Resedaceae

Reseda phyteuma Corn Mignonette Sospel area
Reseda lutea Wild Mignonette Sospel area

Ericaceae

Erica arborea Tree Heath In leaf Sospel area
Erica carnea Winter-flowering Heath In leaf at Casterino
Rhododendron ferrugineum Alpenrose Col de la Lombarde, Casterino, and Tende
Arctostaphylos uva-ursi Bearberry Tende
Vaccinium uliginosum Bog Whortleberry Merveilles
Vaccinium myrtillus Bilberry Tende and Merveilles

Primulaceae

Primula veris Cowslip Scattered records in fruit
Primula latifolia Viscid Primrose Some still in flower, and abundant in fruit, Merveilles. A few in fruit elsewhere.

Primula marginata Marginate Primrose Abundant at Tende and Merveilles in fruit. A few in flower at Tende.

Soldanella alpina Alpine Snowbell In fruit Merveilles
Anagallis arvensis Scarlet Pimpernel Scattered records

Crassulaceae

Sempervivum arachnoideum Cobweb Houseleek Widespread, both ssp. *arachnoideum* and

<i>Semprevivum montanum</i>	Mountain Houseleek	ssp. <i>tomentosum</i> . Locally abundant. Lombarde, Sta. Anna, Tende, Casterino
<i>Semprevivum tectorum</i>	Common Houseleek	Tende, Lombarde, Casterino
<i>Jovibarba allionii</i>	a hen-and-chickens Houseleek	In bud at Casterino and Merveilles. Endemic.
<i>Sedum telephium</i> ssp. <i>maximum</i>	Orpine	In leaf
<i>Sedum anacampseros</i>	Reddish Stonecrop	In bud at various sites
<i>Sedum anopetalum</i>	Creamish Stonecrop	Scattered records
<i>Sedum montanum</i>	a stonecrop	Widespread
<i>Sedum alpestre</i>	a stonecrop	Merveilles
<i>Sedum sexangulare</i>	Tasteless Stonecrop	Tende, Roya Valley, and Casterino
<i>Sedum album</i>	White Stonecrop	Widespread
<i>Sedum dasyphyllum</i>	Thick-leaved Stonecrop	Widespread
<i>Sedum fragrans</i>	a stonecrop	Saorge cliffs and cave
<i>Sedum cepaea</i>	Pink Stonecrop	Saorge
<i>Sedum atratum</i>	Dark Stonecrop	Tende
<i>Sedum annuum</i>	Annual Stonecrop	Tende, Casterino, etc.

Saxifragaceae

<i>Saxifraga stellaris</i>	Starry Saxifrage	By watercourses, e.g. Sta. Anna and Merveilles
<i>Saxifraga rotundifolia</i>	Round-leaved Saxifrage	Scattered records
<i>Saxifraga cuneifolia</i>	Lesser London Pride	Widespread and locally common, with much in flower
<i>Saxifraga caesia</i>	Grey Saxifrage	Rosettes at Tende
<i>Saxifraga callosa</i>	Thick-leaved Saxifrage	Many in flower, especially at Tende, where numerous
<i>Saxifraga cochlearis</i>	a saxifrage	Commonly in flower at La Brigue
<i>Saxifraga paniculata</i>	Paniculate Saxifrage	Widespread
<i>Saxifraga aspera</i>	Rough Saxifrage	French side of Col de Tende
<i>Saxifraga aizoides</i>	Yellow Saxifrage	A few in flower
<i>Saxifraga exarata</i>	Musky Saxifrage	Widespread, e.g. Merveilles
<i>Ribes uva-crispa</i>	Gooseberry	Merveilles, Sta. Anna, Casterino

Rosaceae

<i>Aruncus dioicus</i>	Goat's-beard Spiraea	Wooded roadsides
<i>Filipendula vulgaris</i>	Dropwort	Scattered records
<i>Filipendula ulmaria</i>	Meadowsweet	Scattered records
<i>Rubus fruticosus</i> agg.	brambles	Widespread
<i>Rubus idaeus</i>	Raspberry	Widespread
<i>Rosa majalis</i>	Cinnamon Rose	
<i>Rosa glauca</i>	Glaucous Dog Rose	Casterino etc.
<i>Rosa pendulina</i>	Alpine Rose	Sta. Anna, Tende, etc.
<i>Rosa montana</i>	Mountain Rose	Tende
<i>Rosa canina</i>	Dog Rose	Widespread
<i>Rosa subcollina</i>	a dog rose	
<i>Rosa villosa</i>	Downy Rose	La Brigue
<i>Rosa agrestis</i>	Small-leaved Sweet-briar	Sospel area

<i>Rosa</i> spp.	roses	Other species undoubtedly present
<i>Agrimonia eupatoria</i>	Agrimony	Scattered
<i>Sanguisorba minor</i>	Salad Burnet	A few records
<i>Dryas octopetala</i>	Mountain Avens	Tende and Merveilles
<i>Geum montanum</i>	Alpine Avens	Scattered higher altitude records
<i>Geum rivale</i>	Water Avens	Scattered
<i>Geum urbanum</i>	Herb Bennet	Tende
<i>Potentilla rupestris</i>	Rock Cinquefoil	Above Casterino
<i>Potentilla argentea</i>	Hoary Cinquefoil	Scattered records
<i>Potentilla recta</i>	Sulphur Cinquefoil	Casterino road
<i>Potentilla grandiflora</i>	Large-flowered Cinquefoil	Locally common, e.g. Sta. Anna, Tende
<i>Potentilla erecta</i>	Tormentil	Widespread
<i>Potentilla valderia</i>	a cinquefoil	Locally common at higher altitudes, e.g. Tende, Sta. Anna. Endemic.
<i>Potentilla saxifraga</i>	Tufted Potentilla	Over at Saorge
<i>Fragaria vesca</i>	Wild Strawberry	Scattered
<i>Alchemilla alpina</i>	Alpine Lady's Mantle	Locally numerous at higher altitudes
<i>Alchemilla conjuncta</i>	Silver Lady's Mantle	Scattered records, e.g. Tende
<i>Alchemilla xanthochlora</i>	Intermediate Lady's Mantle	Col de la Lombarde and probably elsewhere
<i>Alchemilla glabra</i>	Smooth Lady's Mantle	Col de la Lombarde, Tende
<i>Alchemilla</i> spp.	lady's mantles	Other species not identified
<i>Malus sylvestris</i>	Wild Apple	
<i>Sorbus aucuparia</i>	Rowan	Common
<i>Sorbus aria</i>	Whitebeam	Widespread
<i>Amelanchier ovalis</i>	Snowy Mespilus	Roya Valley
<i>Cotoneaster integerrimus</i>	Wild Cotoneaster	Tende
<i>Cotoneaster tomentosus</i>	Brickberry Cotoneaster	Tende
<i>Crataegus monogyna</i>	Hawthorn	Roya Valley etc.
<i>Prunus brigantina</i>	Briancon Apricot	Casterino road
<i>Prunus spinosa</i>	Blackthorn	
<i>Prunus avium</i>	Wild Cherry	Widespread
<i>Prunus mahaleb</i>	St. Lucie's Cherry	Saorge, etc.

Fabaceae

<i>Laburnum anagyroides</i>	Laburnum	Widespread
<i>Laburnum alpinum</i>	Alpine Laburnum	Widespread
<i>Cytisophyllum sessilifolium</i>	a broom	Tende, Casterino
<i>Genista tinctoria</i>	Dyer's Greenweed	Widespread
<i>Genista cinerea</i>	Ash-coloured Broom	Casterino road
<i>Genista germanica</i>	German Broom	Turini
<i>Spartium junceum</i>	Spanish Broom	Common on lower roadsides
<i>Robinia pseudacacia</i>	False Acacia	Locally common, e.g. Roya Valley
<i>Colutea arborescens</i>	Bladder Senna	Nice

<i>Astragalus glycyphyllos</i>	Wild Liquorice	Scattered records
<i>Astragalus monspessulanus</i>	False Vetch	Tende and Sta.Anna
<i>Bituminaria bituminosa</i>	Pitch Trefoil	Saorge
<i>Vicia cracca</i>	Tufted Vetch	Widespread and common
<i>Vicia parviflora</i>	Slender Tare	Noted on day 4
<i>Lathyrus pratensis</i>	Meadow Vetchling	Scattered records
<i>Lathyrus tuberosus</i>	Tuberous Pea	Roya Valley
<i>Lathyrus sylvestris</i>	Narrow-leaved Everlasting Pea	Widespread
<i>Lathyrus latifolius</i>	Broad-leaved Everlasting Pea	Locally common in fine flower
<i>Lathyrus heterophyllus</i>	Norfolk Everlasting Pea	Casterino area
<i>Ononis natrix</i>	Large Yellow Restharrow	Sospel area
<i>Ononis minutissima</i>	a restharrow	Sospel area
<i>Ononis spinosa</i>	Spiny Restharrow	Sospel area
<i>Ononis repens</i>	Common Restharrow	
<i>Melilotus altissimus</i>	Tall Melilot	
<i>Melilotus albus</i>	White Melilot	Roadsides
<i>Medicago lupulina</i>	Black Medick	Scattered
<i>Medicago sativa</i>	Lucerne	Scattered
<i>Medicago falcata</i>	Sickle Medick	
<i>Medicago orbicularis</i>	Large Disk Medick	In fruit, Saorge
<i>Medicago polymorpha</i>	Toothed Medick	Sospel area
<i>Medicago minima</i>	Bur Medick	Sospel area
<i>Trifolium alpinum</i>	Alpine Clover	Locally common at higher altitudes
<i>Trifolium montanum ssp.montanum</i>	Mountain Clover	
<i>Trifolium montanum ssp.rupestre</i>	Mountain Clover	Tende etc.
<i>Trifolium repens</i>	White Clover	Widespread
<i>Trifolium thalii</i>	Thale Cress	
<i>Trifolium badium</i>	Brown Clover	Sta.Anna
<i>Trifolium aureum</i>	Large Hop Trefoil	
<i>Trifolium campestre</i>	Hop Trefoil	Roya Valley
<i>Trifolium arvense</i>	Hare's-foot Clover	
<i>Trifolium scabrum</i>	Rough Clover	Sospel area
<i>Trifolium stellatum</i>	Star Clover	Sospel area
<i>Trifolium pratense</i>	Red Clover	Widespread
<i>Trifolium medium</i>	Zigzag Clover	Scattered records
<i>Trifolium alpestre</i>	Alpine Trefoil	
<i>Trifolium rubens</i>	Long-spiked Trefoil	Casterino road
<i>Trifolium angustifolium</i>	Narrow Clover	In fruit Roya Valley
<i>Trifolium ochroleucon</i>	Sulphur Clover	Day 4
<i>Dorycnium pentaphyllum</i>	a canary clover	Day 4
<i>Lotus corniculatus</i>	Bird's-foot Trefoil	Common
<i>Lotus alpinus</i>	Alpine Bird's-foot Trefoil	Common at higher altitudes
<i>Anthyllis montana</i>	Mountain Kidney Vetch	Tende and Casterino
<i>Anthyllis vulneraria</i>	Kidney Vetch	Widespread, several subspecies present
<i>Coronilla minima</i>		Day 4
<i>Securigera varia</i>	Crown Vetch	Scattered records
<i>Hippocrepis comosa</i>	Horseshoe Vetch	Scattered records

<i>Onobrychis montana</i>	Mountain Sainfoin	Casterino etc.
<i>Onobrychis viciifolia</i>	Sainfoin	Scattered records

Lythraceae

<i>Lythrum salicaria</i>	Purple Loosestrife	Roadsides at lower altitudes
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Thymeleaceae

<i>Daphne mezereum</i>	Mezereon	In fruit Day 3
<i>Daphne laureola</i>	Spurge Laurel	In leaf Sospel area

Onagraceae

<i>Circaea alpina</i>	Alpine Enchanter's Nightshade	Moulinet Forest
<i>Oenothera</i> sp.	Evening Primrose	sp.
<i>Epilobium angustifolium</i>	Rosebay Willowherb	Widespread
<i>Epilobium dodonaei</i>	a willowherb	Below Tende tunnel
<i>Epilobium fleischeri</i>	Alpine Willowherb	Casterino area
<i>Epilobium hirsutum</i>	Great Willowherb	Lower roadsides
<i>Epilobium montanum</i>	Broad-leaved Willowherb	Scattered
<i>Epilobium collinum</i>	a willowherb	Sta. Anna
<i>Epilobium alpestre</i>	Whorled-leaved Willowherb	Tende
<i>Epilobium anagallidifolium</i>	Alpine Willowherb	Wet flushes
<i>Epilobium alsinifolium</i>	Chickweed Willowherb	Lombarde

Cornaceae

<i>Cornus sanguinea</i>	Dogwood	
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Santalaceae

<i>Thesium bavarum</i>	a bastard toadflax	
<i>Thesium divaricatum</i>	Branched Bastard Toadflax	
<i>Thesium alpinum</i>	Alpine Bastard Toadflax	Casterino

Loranthaceae

<i>Viscum album</i> ssp. <i>austriacum</i>	Mistletoe	Parasitic on <i>Pinus</i>
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Celastraceae

<i>Euonymus europaeus</i>	Spindle	
<i>Euonymus latifolius</i>	Large-leaved Spindle	

Euphorbiaceae

<i>Euphorbia dulcis</i>	Sweet Spurge	Tende and Roya Valley
<i>Euphorbia spinosa</i>	Spiny Spurge	Saorge and Sospel area
<i>Euphorbia peplus</i>	Petty Spurge	Weed in Tende
<i>Euphorbia characias</i>	Large Mediterranean Spurge	Paganin Gorge
<i>Euphorbia dendroides</i>	Tree Spurge	Cliffs east of Nice

Rhamnaceae

<i>Rhamnus saxatilis</i>	Rock Buckthorn	Tende and Casterino
<i>Rhamnus cathartica</i>	Buckthorn	
<i>Rhamnus alaternus</i>	Mediterranean Buckthorn	Saorge
<i>Rhamnus alpina</i>	Alpine Buckthorn	Tende etc.
<i>Rhamnus pumila</i>	Dwarf Buckthorn	Casterino

Linaceae

<i>Linum austriacum</i> ssp. <i>collinum</i>	a flax	Sospel area
<i>Linum viscosum</i>	Sticky Flax	Sospel area
<i>Linum tenuifolium</i>	a flax	Sospel area
<i>Linum suffruticosum</i> ssp. <i>appressum</i>	a flax	Tende and Casterino
<i>Linum strictum</i>	a flax	Sospel area
<i>Linum catharticum</i>	Purging Flax	Scattered records

Polygalaceae

<i>Polygala vulgaris</i>	Common Milkwort	Scattered records
<i>Polygala alpestris</i>	Mountain Milkwort	Merveilles

Hippocastanaceae

<i>Aesculus hippocastanum</i>	Horse Chestnut	
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Aceraceae

<i>Acer campestre</i>	Field Maple	
<i>Acer pseudoplatanus</i>	Sycamore	
<i>Acer opalus</i>	Italian Maple	

Anacardiaceae

<i>Cotinus coggyria</i>	Smoke Tree	Widespread and locally common
<i>Pistachia terebinthus</i>	Terebinth	Saorge and Sospel area

Simaroubaceae

<i>Ailanthus altissima</i>	Tree of Heaven	Commonly naturalised in lower valleys
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Oxalidaceae

<i>Oxalis acetosella</i>	Wood Sorrel	In leaf
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Geraniaceae

<i>Geranium macrorrhizum</i>	Rock Crane's-bill	Casterino area
<i>Geranium sanguineum</i>	Bloody Cranesbill	Sospel area
<i>Geranium sylvaticum</i>	Wood Cranesbill	Locally common
<i>Geranium nodosum</i>	Knotted Cranesbill	Scattered records
<i>Geranium pyrenaicum</i>	Hedgerow Cranesbill	Widespread
<i>Geranium columbinum</i>	Long-stalked Cranesbill	Saorge
<i>Geranium dissectum</i>	Cut-leaved Cranesbill	Saorge

<i>Geranium robertianum</i>	Herb Robert	Scattered records
<i>Erodium cicutarium</i>	Common Stork's-bill	Sospel area

Araliaceae

<i>Hedera helix</i>	Ivy	
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Apiaceae

<i>Astrantia major</i>	Greater Masterwort	Local, e.g. La Brigue
<i>Astrantia minor</i>	Lesser Masterwort	Merveilles
<i>Eryngium campestre</i>	Field Eryngo	Common at one site near Sospel, scattered elsewhere
<i>Chaerophyllum hirsutum</i>	Hairy Chervil	Tende etc.
<i>Chaerophyllum villarsii</i>	a chervil	Lombarde etc.
<i>Anthriscus sylvestris</i>	Cow Parsley	Scattered
<i>Myrrhis odorata</i>	Sweet Cicely	Tende
<i>Conopodium majus</i>	Pignut	Scattered records
<i>Pimpinella major</i>	Greater Burnet-saxifrage	Scattered, e.g. Tende
<i>Pimpinella saxifraga</i>	Burnet-saxifrage	Widespread
<i>Aegopodium podagraria</i>	Ground Elder	Tende etc.
<i>Seseli libanotis</i>	Moon Carrot	Casterino
<i>Seseli galloprovinciale</i>	a moon carrot	Locally common
<i>Foeniculum vulgare</i>	Fennel	Saorge
<i>Trochiscanthes nodiflora</i>	Trochiscanthes	Tende, several, forest edge, and Casterino road
<i>Meum athamanticum</i>	Spignel	Local at higher altitudes
<i>Bupleurum baldense</i>	Small Hare's-ear	Sospel area
<i>Bupleurum praealtum</i>	a hare's-ear	Locally common
<i>Bupleurum petraeum</i>	Rock Hare's-ear	Rocks at Col de Tende, some impressive plants
<i>Bupleurum ranunculoides</i>	Three-veined Hare's-ear	Tende and Casterino
<i>Bupleurum falcatum ssp.cernuum</i>	Sickle-leaved Hare's-ear	
<i>Trinia glauca</i>	Honewort	Tende
<i>Carum carvi</i>	Caraway	Widespread
<i>Angelica sylvestris</i>	Wild Angelica	In leaf Casterino
<i>Peucedanum ostruthium</i>	Masterwort	Locally common
<i>Pastinaca sativa</i>	Wild Parsnip	Roya Valley roadsides etc.
<i>Heracleum sphondylium</i>	Hogweed	Common
<i>Tordylium maximum</i>	Hartwort	Saorge
<i>Laserpitium latifolium</i>	Broad-leaved Sermountain	Locally common, as at Casterino
<i>Laserpitium halleri</i>	a sermountain	Local, e.g. Val Sta.Anna, Tende.
<i>Laserpitium gallicum</i>	a sermountain	Sospel area
<i>Orlaya grandiflora</i>	Orlaya	Saorge
<i>Daucus carota</i>	Wild Carrot	Scattered records

Gentianaceae

<i>Blackstonia perfoliata</i>	Yellow-wort	Sospel area
<i>Gentiana lutea</i>	Yellow Gentian	Above Casterino
<i>Gentiana acaulis</i>	Trumpet Gentian	In flower at Col de la Lombarde, and over at Tende

Gentiana rostanii a gentian Merveilles and Sta. Anna. Endemic.

Asclepiadaceae

Vincetoxicum hirsutinaria Swallowwort Scattered records

Solanaceae

Atropa bella-donna Deadly Nightshade Moulinet Forest

Convolvulaceae

Cuscuta europaea Greater Dodder Scattered records, on *Urtica dioica*

Cuscuta epithymum Numerous in Sospel area

Calystegia sepium Hedge Bindweed Roya valley

Convolvulus cantabrica Pink Convolvulus Sospel area

Convolvulus arvensis Field Bindweed Roya valley

Boraginaceae

Cerithe minor Lesser Honeywort Casterino

Echium vulgare Viper's Bugloss Widespread

Pulmonaria picta a lungwort Scattered in leaf

Myosotis arvensis Field Forget-me-not Scattered

Myosotis sylvatica Wood Forget-me-not Scattered records

Myosotis alpestris Alpine Forget-me-not Merveilles

Myosotis scorpioides Water Forget-me-not

Cynoglossum officinale Hound's-tongue Tende

Verbenaceae

Verbena officinalis Vervain Roya valley

Lamiaceae

Ajuga genevensis Geneva Bugle Merveilles

Teucrium chamaedrys Wall Germander Roya Valley

Teucrium lucidum a germander Locally common, as at Tende. Endemic.

Teucrium montanum Mountain Germander Casterino

Teucrium polium Penny-royal Germander In impressive flower, Sospel area

Scutellaria alpina Alpine Skullcap Val Sta. Anna and Tende

Sideritis hirsuta a sideritis Sospel area

Galeopsis ladanum Broad-leaved Hemp-nettle Scattered records, e.g. Val Sta. Anna

Galeopsis pubescens Downy Hemp-nettle Casterino

Galeopsis tetrahit Common Hemp-nettle

Lamium garganicum Gargano Dead-nettle Val Sta. Anna, Tende, Merveilles

Lamium maculatum Spotted Dead-nettle

Ballota nigra Black Horehound Roya valley

Stachys officinalis Betony

Stachys alpina Limestone Woundwort Sospel area

Stachys sylvatica Hedge Woundwort Tende

<i>Stachys recta</i>	Yellow Woundwort	Scattered, e.g. Tende
<i>Nepeta nepetella</i>	Small Catmint	Scattered records
<i>Prunella grandiflora</i>	Large Self-heal	Roya valley and Casterino
<i>Prunella vulgaris</i>	Self-heal	Scattered records
<i>Acinos alpinus</i>	Alpine Calamint	Locally common
<i>Calamintha grandiflora</i>	Greater Calamint	Roya valley, Casterino
<i>Calamintha nepeta</i>	Lesser Calamint	Roya valley
<i>Clinopodium vulgare</i>	Wild Basil	Roya valley
<i>Micromeria marginata</i>	a micromeria	In leaf at Tende. Endemic.
<i>Origanum vulgare</i>	Marjoram	Roya valley
<i>Thymus vulgaris</i>	Common Thyme	In leaf
<i>Thymus praecox</i>	Hairy Thyme	
<i>Thymus pulegioides</i>	Larger Wild Thyme	Widespread
<i>Mentha longifolia</i>	Horse Mint	Scattered records in leaf
<i>Lavandula angustifolia</i>	Common Lavender	Widespread
<i>Salvia glutinosa</i>	Sticky Clary	In leaf
<i>Salvia pratensis</i>	Meadow Clary	Scattered records

Plantaginaceae

<i>Plantago major</i>	Greater Plantain	Scattered records, both ssp. <i>major</i> and <i>intermedia</i>
<i>Plantago maritima</i> ssp. <i>serpentina</i>	Fleshy Plantain	Tende etc.
<i>Plantago alpina</i>	Alpine Plantain	Merveilles
<i>Plantago media</i>	Hoary Plantain	Widespread
<i>Plantago atrata</i> ssp. <i>fuscescens</i>	Mountain Plantain	Tende and Casterino
<i>Plantago lanceolata</i>	Ribwort Plantain	Scattered records

Buddlejaceae

<i>Buddleja davidii</i>	Buddleia	Naturalised on river gravels
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Oleaceae

<i>Jasminum fruticans</i>	a jasmine	In fruit at Saorge
<i>Fraxinus ornus</i>	Manna-ash	
<i>Fraxinus excelsior</i>	Ash	
<i>Ligustrum vulgare</i>	Privet	
<i>Olea europaea</i>	Olive	

Scrophulariaceae

<i>Verbascum phlomoides</i>	Orange Mullein
<i>Verbascum thapsus</i>	Aaron's Rod
<i>Verbascum pulverulentum</i>	Hoary Mullein
<i>Verbascum boerhavii</i>	a mullein
<i>Verbascum lychnitis</i>	White Mullein
<i>Verbascum chaixii</i>	Nettle-leaved Mullein
<i>Verbascum nigrum</i>	Dark Mullein

N.B. There were many hybrids between the above *Verbascum* species, and many individual plants were impossible to identify

<i>Scrophularia nodosa</i>	Common Figwort	A few records
<i>Scrophularia canina</i>	French Figwort	Scattered records
<i>Chaenorhinum minus</i>	Small Toadflax	Saorge and Sta. Anna
<i>Linaria repens</i>	Pale Toadflax	Tende
<i>Linaria angustissima</i>	a toadflax	Casterino
<i>Linaria supina</i>	Prostrate Toadflax	Tende, Sta. Anna, and Casterino
<i>Digitalis grandiflora</i>	Large Yellow Foxglove	Common in Casterino area, etc.
<i>Digitalis lutea</i>	Small Yellow Foxglove	Casterino area etc.
<i>Veronica bellidioides</i>	Violet Speedwell	Col de la Lombarde
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	Scattered records
<i>Veronica fruticans</i>	Rock Speedwell	Scattered records
<i>Veronica fruticulosa</i>	a speedwell	Tende
<i>Veronica urticifolia</i>	Nettle-leaved Speedwell	Scattered records
<i>Veronica officinalis</i>	Heath Speedwell	Val Sta. Anna and Tende
<i>Veronica allionii</i>	a speedwell	Lombarde, in bud this year. Endemic.
<i>Veronica chamaedrys</i>	Germander Speedwell	Scattered records
<i>Veronica arvensis</i>	Wall Speedwell	
<i>Veronica persica</i>	Common Field-speedwell	Scattered
<i>Melampyrum velebiticum</i>	a cow-wheat	Roya valley
<i>Melampyrum sylvaticum</i>	Small Cow-wheat	Merveilles and Casterino
<i>Euphrasia alpina</i>	Alpine Eyebright	Tende
<i>Bartsia alpina</i>	Alpine Bartsia	Merveilles and Lombarde
<i>Pedicularis tuberosa</i>	a lousewort	Val Sta. Anna and Tende
<i>Pedicularis rostratospicata</i> ssp. <i>helvetica</i>	Flesh-pink Lousewort	Stem with two lines of hairs (Flora Helvetica) Pink flowers long beaked. Col de la Lombarde, where abundant, and Tende.
<i>Pedicularis gyroflexa</i>	Tufted Lousewort	Downy, pink flowers short beaked, on limestone. Lombarde and Tende.
<i>Rhinanthus minor</i>	Yellow Rattle	Widespread
<i>Rhinanthus burnatii</i>	a yellow rattle	Val Sta. Anna
<i>Rhinanthus ovifugus</i>	a yellow rattle	Scattered records
<i>Rhinanthus alectrolophus</i>	Greater Yellow Rattle	Widespread
<i>Globulariaceae</i>		
<i>Globularia bisnagarica</i>	a globularia	Casterino
<i>Globularia cordifolia</i>	Heart-leaved Globularia	Tende
<i>Globularia repens</i>	a globularia	Tende and Casterino
<i>Orobanchaceae</i>		
<i>Orobanche amethystea</i>	a broomrape	Many parasitizing <i>Eryngium campestre</i> in Sospel area
<i>Orobanche gracilis</i>	a broomrape	La Brigade
<i>Lentibulariaceae</i>		
<i>Pinguicula leptoceras</i>	a butterwort	Merveilles
<i>Pinguicula vulgaris</i>	Common Butterwort	Col de la Lombarde, Merveilles

Campanulaceae

<i>Campanula rapuncululus</i>	Rampion Bellflower	Roya Valley
<i>Campanula persicifolia</i>	Peach-leaved Bellflower	Casterino road
<i>Campanula medium</i>	Canterbury Bells	Sospel area and Sta. Anna
<i>Campanula spicata</i>	Spiked Bellflower	Sta. Anna and Casterino
<i>Campanula trachelium</i>	Nettle-leaved Bellflower	Scattered records
<i>Campanula rapunculoides</i>	Creeping Bellflower	Widespread and common
<i>Campanula macrorrhiza</i>	a bellflower	Roya Valley, mostly in fruit
<i>Campanula fritschii</i>	a bellflower	Above Casterino. Endemic.
<i>Campanula cochlearifolia</i>	Fairy's Thimble	
<i>Campanula stenocodon</i>	Cottian Bellflower	Above Casterino. Endemic.
<i>Campanula scheuchzeri</i>	a bellflower	Widespread and common
<i>Campanula rotundifolia</i>	Harebell	Widespread and common
<i>Phyteuma ovatum</i>	Dark Rampion	Val Sta. Anna and Tende
<i>Phyteuma michelii</i>	a spiked rampion	Val Sta. Anna and Tende. Endemic.
<i>Phyteuma betonicifolium</i>	Betony-leaved Rampion	Locally common, e.g. Val Sta. Anna
<i>Phyteuma orbiculare</i>	Round-headed Rampion	Scattered records
<i>Phyteuma hemisphaericum</i>	a rampion	Lombarde
<i>Phyteuma globulariifolium</i>		Merveilles
ssp. <i>pedemontanum</i>		
<i>Trachelium caeruleum</i>	Throatwort	Naturalised on cliffs east of Nice

Rubiaceae

<i>Asperula aristata</i>	a squinancywort	
<i>Asperula cynanchica</i>	Squinancywort	Widespread, common Sta. Anna
<i>Asperula hexaphylla</i>	a squinancywort	Possibly this above Casterino
<i>Galium boreale</i>	Northern Bedstraw	Roya Valley
<i>Galium verum</i>	Lady's Bedstraw	Widespread
<i>Galium mollugo</i>	Hedge Bedstraw	Widespread
<i>Galium album</i>	Upright Hedge-bedstraw	Scattered records
<i>Galium corrudifolium</i>	a bedstraw	
<i>Galium aristatum</i>	a bedstraw	Roya Valley
<i>Galium laevigatum</i>	a bedstraw	Roya Valley
<i>Galium obliquum</i>	a bedstraw	
<i>Galium rubrum</i>	a bedstraw	
<i>Galium pumilum</i>	Slender Bedstraw	Widespread
<i>Galium tendae</i>	a bedstraw	Merveilles and Lombarde. Endemic.
<i>Galium aparine</i>	Cleavers	
<i>Cruciata glabra</i>	a crosswort	Scattered records, eg. Sta. Anna
<i>Rubia peregrina</i>	Wild Madder	Sospel area

Caprifoliaceae

<i>Sambucus ebulus</i>	Dwarf Elder	Sospel
<i>Sambucus nigra</i>	Elder	Scattered records
<i>Sambucus racemosa</i>	Red-berried Elder	Locally in fruit

<i>Lonicera alpigena</i>	Alpine Honeysuckle	In fruit La Brigue
<i>Lonicera xylosteum</i>	Fly Honeysuckle	In fruit, scattered records

Valerianaceae

<i>Valeriana tripteris</i>	Three-leaved Valerian	Day 3
<i>Valeriana montana</i>	Mountain Valerian	Col de la Lombarde
<i>Centranthus ruber</i>	Red Valerian	Widespread

Dipsacaceae

<i>Cephalaria leucantha</i>	a cephalaria	Casterino, Roya valley, etc., in bud
<i>Cephalaria alpina</i>	Yellow Cephalaria	In bud at Casterino
<i>Dipsacus fullonum</i>	Teasel	Scattered records
<i>Knautia mollis</i>	a scabious	Casterino. Endemic.
<i>Knautia arvensis</i>	Field Scabious	Scattered records
<i>Knautia integrifolia</i>	a scabious	Scattered records
<i>Scabiosa triandra</i>	a scabious	Scattered records
<i>Scabiosa vestita</i>	a scabious	Roya Valley, Sospel area, etc.
<i>Scabiosa columbaria</i>	Small Scabious	

Asteraceae

<i>Eupatorium cannabinum</i>	Hemp Agrimony	A few records
<i>Solidago virgaurea</i>	Goldenrod	Lombarde and Casterino
<i>Aster alpinus</i>	Alpine Aster	Local at higher altitudes, e.g. Tende
<i>Aster bellidiastrum</i>	Daisy Star	Tende, Merveilles
<i>Erigeron annuus</i>	Tall Fleabane	Roya valley etc.
<i>Erigeron karvinskianus</i>	Mexican Fleabane	Occasionally naturalised
<i>Erigeron acer</i>	Blue Fleabane	Roya valley
<i>Erigeron atticus</i>	Greek Fleabane	Tende
<i>Erigeron alpinus</i>	Alpine Fleabane	Merveilles
<i>Conyza canadensis</i>	Canadian Fleabane	Roya Valley
<i>Filago vulgaris</i>	Common Cudweed	Near Turini
<i>Filago pyramidata</i>	Broad-leaved Cudweed	Roya Valley
<i>Helichrysum stoechas</i>	Shrubby Everlasting	Roya Valley etc.
<i>Antennaria dioica</i>	Cat's Foot	Local at higher altitudes
<i>Phagnalon saxatile</i>	a phagnalon	Sospel area
<i>Inula salicina</i>	Irish Fleabane	Sospel area
<i>Inula montana</i>	Mountain Inula	Sospel area
<i>Inula conyzae</i>	Ploughman's Spikenard	
<i>Bupththalmum salicifolium</i>	Yellow Ox-eye	Scattered records
<i>Pallenis spinosa</i>	Golden Starwort	Saorge
<i>Santolina chamaecyparissus</i>	Lavender Cotton	Sospel area
<i>Achillea erba-rotta</i>	Simple-leaved Milfoil	Merveilles and Lombarde
<i>Achillea macrophylla</i>	Large-leaved Sneezewort	Above Tende town
<i>Achillea millefolium</i>	Yarrow	Widespread
<i>Matricaria discoidea</i>	Pineapple Weed	
<i>Tanacetum vulgare</i>	Tansy	Casterino road
<i>Tanacetum corymbosum</i>	a tansy	Casterino road

<i>Leucanthemum vulgare</i>	Ox-eye Daisy	Widespread
<i>Leucanthemum atratum</i> <i>ceratophylloides</i>	an ox-eye daisy	Merveilles and Sta.Anna
<i>Leucanthemum discoideum</i>	Rayless Ox-eye Daisy	This very attractive near endemic was seen near the Col de Turini, and La Brigue, in fine flower.
<i>Leucanthemum</i> spp.	ox-eye daisies	Other species of this complex genus probably present
<i>Artemisia vulgaris</i>	Mugwort	Widespread
<i>Artemisia absinthium</i>	Wormwood	Widespread
<i>Artemisia alba</i>	a wormwood	Sospel area
<i>Artemisia chamaemelifolia</i>	a wormwood	Roya Valley
<i>Tussilago farfara</i>	Colt's-foot	In leaf
<i>Petasites albus</i>	White Butterbur	
<i>Petasites hybridus</i>	Butterbur	
<i>Homogyne alpina</i>	Alpine Colt's-foot	Lombarde and Merveilles
<i>Adenostyles alliariae</i>	Adenostyles	Merveilles
<i>Adenostyles leucophylla</i>	an adenostyles	Common on Italian side of Col de Lombarde, in leaf this year, and Merveilles
<i>Arnica montana</i>	Arnica	Scattered at higher altitudes
<i>Doronicum clusii</i>		Merveilles
<i>Senecio cineraria</i>	Silver Ragwort	On cliffs, e.g. Saorge
<i>Senecio incanus</i>	Hoary Groundsel	Merveilles
<i>Senecio ovatus</i> ssp. <i>alpestris</i>	a Wood Ragwort	Scattered woodland records
<i>Senecio vulgaris</i>	Groundsel	
<i>Carlina vulgaris</i>	Carlina Thistle	Casterino area
<i>Carlina acanthifolia</i>	Acanthus-leaved Carlina Thistle	
<i>Echinops sphaerocephalus</i>	a globe thistle	
<i>Echinops ritro</i>	Globe Thistle	West of Breil
<i>Arctium lappa</i>	Greater Burdock	
<i>Arctium minus</i>	Lesser Burdock	
<i>Stachelina dubia</i>	stachelina	Imperia
<i>Carduus nutans</i>	Musk Thistle	Scattered records
<i>Carduus litigiosus</i>	a thistle	Turini area
<i>Carduus defloratus</i>	Variable-leaved Thistle	Common
<i>Cirsium ferox</i>	a thistle	In leaf
<i>Cirsium vulgare</i>	Spear Thistle	
<i>Cirsium montanum</i>	a brook thistle	Common in damp wooded habitats
<i>Cirsium erisithales</i>	Yellow Melancholy Thistle	Scattered records
<i>Cirsium spinosissimum</i>	Spiniest Thistle	Sta.Anna
<i>Cirsium monspessulanum</i>	a thistle	Stura valley
<i>Cirsium arvense</i>	Creeping Thistle	Scattered
<i>Onopordum acanthium</i>	Cotton Thistle	Stura valley
<i>Centaurea scabiosa</i>	Greater Knapweed	Widespread
<i>Centaurea leucophaea</i>	Whitish-leaved Knapweed	Scattered at lower altitudes
<i>Centaurea nigrescens</i>	Black-rayed Knapweed	
<i>Centaurea uniflora</i>	Plume Knapweed	Tende and Lombarde
<i>Centaurea nervosa</i>	a plume knapweed	
<i>Centaurea montana</i>	Mountain Cornflower	Scattered records

<i>Carthamus lanatus</i>	Downy Safflower	Sospel area
<i>Cichorium intybus</i>	Chicory	Roadsides
<i>Catananche caerulea</i>	Cupidone	Common in Sospel area
<i>Urospermum dalechampii</i>		Saorge
<i>Hypochaeris uniflora</i>	a cat's-ear	Tende
<i>Hypochaeris radicata</i>	Cat's-ear	
<i>Leontodon helveticus</i>	Swiss Hawkbit	French side of Lombarde
<i>Leontodon hispidus</i>	Rough Hawkbit	Merveilles
<i>Picris echioides</i>	Bristly Oxtongue	
<i>Picris hieracioides</i>	Hawkweed Oxtongue	
<i>Tragopogon pratensis</i>	Goat's-beard	Scattered
<i>Lactuca serriola</i>	Prickly Lettuce	Roadsides
<i>Lactuca perennis</i>	Perennial Lettuce	Roya Valley and Casterino
<i>Cicerbita alpina</i>	Alpine Sow-thistle	Tende
<i>Prenanthes purpurea</i>	Purple Rattlesnake-root	Tende, in leaf
<i>Mycelis muralis</i>	Wall Lettuce	Scattered records
<i>Taraxacum palustre</i>	Narrow-leaved Marsh Dandelion	Tende
<i>Taraxacum officinale</i>	Common Dandelion	
<i>Taraxacum</i> spp.	dandelion spp.	Various species not identified
<i>Lapsana communis</i>	Nipplewort	Scattered
<i>Crepis paludosa</i>	Marsh Hawksbeard	Scattered
<i>Crepis conyzifolia</i>	a hawksbeard	Above Casterino
<i>Hieracium staticifolium</i>	a hawkweed	Scattered, locally common
<i>Hieracium pilosella</i>	Mouse-ear Hawkweed	Widespread
<i>Hieracium lactucella</i>	a hawkweed	Local, e.g. Sta. Anna
<i>Hieracium angustifolium</i>	a hawkweed	
<i>Hieracium cymosum</i>	a hawkweed	Above Casterino
<i>Hieracium caespitosum</i>	Yellow Fox-and-Cubs	Apparently this Tende, but distribution?
<i>Hieracium murorum</i>	Wall Hawkweed	Scattered
<i>Hieracium bifidum</i>	a hawkweed	
<i>Hieracium caesium</i>	a hawkweed	
<i>Hieracium villosum</i>	Shaggy Hawkweed	
<i>Hieracium pilosum</i>	a hawkweed	
<i>Hieracium piliferum</i>	a hawkweed	Merveilles
<i>Hieracium pictum</i>	a hawkweed	Scattered records
<i>Hieracium tomentosum</i>	Woolly Hawkweed	Roya Valley and Casterino. Abundant at Tende.
<i>Hieracium intybaceum</i>	a hawkweed	
<i>Hieracium umbellatum</i>	Narrow-leaved Hawkweed	Sta. Anna

Monocotyledons

Juncaceae

<i>Juncus jacquinii</i>	a rush	Lombarde
<i>Juncus inflexus</i>	Hard Rush	
<i>Juncus effusus</i>	Soft Rush	

<i>Juncus conglomeratus</i>	Compact Rush	
<i>Juncus trifidus</i>	Three-leaved Rush	Col de la Lombarde and Merveilles
<i>Juncus monanthos</i>	a three-leaved rush	
<i>Juncus compressus</i>	Round-fruited Rush	Scattered
<i>Juncus acutiflorus</i>	Sharp-flowered Rush	Merveilles
<i>Juncus articulatus</i>	Jointed Rush	
<i>Luzula campestris</i>	Field Wood-rush	Scattered
<i>Luzula multiflora</i>	Heath Wood-rush	Scattered
<i>Luzula sudetica</i>	a wood-rush	Not uncommon at mid altitudes
<i>Luzula alpine</i>	a wood-rush	
<i>Luzula nutans</i>	a wood-rush	Sta. Anna
<i>Luzula lutea</i>	a wood-rush	Merveilles
<i>Luzula nivea</i>	Snow-white Wood-rush	Scattered records
<i>Luzula luzuloides</i>	White Wood-rush	Scattered
<i>Luzula alpinopilosa</i>	a wood-rush	Scattered

Cyperaceae

<i>Trichophorum caespitosum</i>	Deergrass	Col de la Lombarde and Merveilles
<i>Blysmus compressus</i>	Flat-sedge	Casterino
<i>Eriophorum angustifolium</i>	Common Cotton-grass	Col de la Lombarde and Merveilles
<i>Eriophorum latifolium</i>	Broad-leaved Cotton-grass	
<i>Eriophorum scheuchzeri</i>	a cotton-grass	Merveilles
<i>Elyna myosuroides</i>		
<i>Carex paniculata</i>	Greater Tussock-sedge	
<i>Carex spicata</i>	Spiked Sedge	
<i>Carex pairae</i>	Common Prickly Sedge	
<i>Carex foetida</i>	a sedge	
<i>Carex leporina</i>	Oval Sedge	
<i>Carex echinata</i>	Star Sedge	
<i>Carex lachenalii</i>	Hare's-foot Sedge	
<i>Carex canescens</i>	Silvery Sedge	
<i>Carex curvula</i>	a sedge	
<i>Carex flacca</i>	Glaucous Sedge	
<i>Carex montana</i>	Soft-leaved Sedge	
<i>Carex sempervirens</i>	a sedge	
<i>Carex ferruginea ssp.tendae</i>	a sedge	
<i>Carex brachystachys</i>	a sedge	
<i>Carex nigra</i>	Common Sedge	

Poaceae

<i>Festuca paniculata</i>	a fescue	
<i>Festuca altissima</i>	Wood Fescue	
<i>Festuca gigantea</i>	Giant Fescue	
<i>Festuca rubra</i>	Red Fescue	
<i>Festuca spp.</i>	fescues	Other species not identified
<i>Lolium perenne</i>	Perennial Rye-grass	
<i>Poa annua</i>	Annual Meadow-grass	

<i>Poa trivialis</i>	Rough Meadow-grass
<i>Poa pratensis</i>	Smooth Meadow-grass
<i>Poa nemoralis</i>	Wood Meadow-grass
<i>Poa bulbosa</i>	Bulbous Meadow-grass
<i>Poa alpina</i>	Alpine Meadow-grass
<i>Dactylis glomerata</i>	Cock's-foot
<i>Briza media</i>	Quaking Grass
<i>Sesleria caerulea</i>	Blue Moor-grass
<i>Melica uniflora</i>	Wood Melick
<i>Melica ciliata</i>	Ciliated Melick
<i>Bromus sterilis</i>	Barren Brome
<i>Bromus tectorum</i>	Drooping Brome
<i>Bromus erectus</i>	Upright Brome
<i>Bromus squarrosus</i>	Rough Brome
<i>Brachypodium sylvaticum</i>	False Brome
<i>Brachypodium rupestre</i>	a tor-grass
<i>Elymus caninus</i>	Bearded Couch
<i>Elymus repens</i>	Common Couch
<i>Aegilops ovata</i>	
<i>Hordeum murinum</i>	Wall Barley
<i>Avena fatua</i>	Wild Oat
<i>Helictotrichon</i> spp.	
<i>Arrhenatherum elatius</i>	False Oat-grass
<i>Koeleria macrantha</i>	Crested Hair-grass
<i>Koeleria pyramidata</i>	a hair-grass
<i>Deschampsia cespitosa</i>	Tufted Hair-grass
<i>Avenella flexuosa</i>	Wavy Hair-grass
<i>Anthoxanthum odoratum</i>	Sweet Vernal Grass
<i>Anthoxanthum alpinum</i>	Alpine Vernal-grass
<i>Agrostis schraderiana</i>	a bent
<i>Agrostis capillaris</i>	Common Bent
<i>Agrostis stolonifera</i>	Creeping Bent
<i>Phleum pratense</i>	Timothy
<i>Phleum alpinum</i>	Alpine Cat-s-tail
<i>Milium effusum</i>	Wood Millet
<i>Stipa eriocalis</i> ssp. <i>eriocalis</i>	
<i>Achnatherum calamagrostis</i>	Rough Feather-grass
<i>Arundo donax</i>	Giant Reed
<i>Phragmites australis</i>	Common Reed
<i>Nardus stricta</i>	Mat Grass
<i>Sorghum halepense</i>	Johnson-grass

Liliaceae

<i>Tofieldia calyculata</i>	Tofield's Asphodel	Merveilles
<i>Veratrum album</i>	White False Helleborine	Widespread and locally very common
<i>Asphodelus albus</i>	White Asphodel	Tende, Merveilles, Sta. Anna
<i>Anthericum liliago</i>	St. Bernard's Lily	Sta. Anna, Tende, Casterino

<i>Paradisea liliastrum</i>	St. Bruno's Lily	Sta. Anna and Tende
<i>Aphyllanthes monspeliensis</i>		In fruit in Imperia
<i>Colchicum alpinum/autumnale</i>	Alpine Meadow-saffron/ Meadow-saffron	One or both species in fruit in Casterino area
<i>Tulipa sylvestris ssp. australis</i>	Wild Tulip	In fruit at Casterino
<i>Fritillaria involucreta</i>	a fritillary	In fruit in Sospel area
<i>Lilium martagon</i>	Martagon Lily	Locally common
<i>Lilium bulbiferum</i>	Orange Lily	Widespread in small numbers
<i>Ornithogalum gussonei</i>	a star-of-bethlehem	A few records
<i>Allium narcissiflorum</i>		Some superb examples at Tende
<i>Allium schoenoprasum</i>	Chives	Lombarde and Casterino
<i>Allium scorodoprasum</i>	Sand Leek	Roya Valley
<i>Allium rotundum</i>	a leek	Scattered records
<i>Allium sphaerocephalon</i>	Round-headed Leek	Widespread
<i>Streptopus amplexifolius</i>	Streptopus	Casterino
<i>Asparagus acutifolius</i>	Sharp-leaved Asparagus	Saorge
 <i>Orchidaceae</i>		
<i>Epipactis helleborine</i>	Broad-leaved Helleborine	In flower east of Sospel
<i>Listera ovata</i>	Common Twayblade	2 above Casterino
<i>Goodyera repens</i>	Creeping Lady's-tresses	In bud at Casterino
<i>Gymnadenia conopsea</i>	Fragrant Orchid	Scattered records
<i>Pseudorchis albida</i>	Small White Orchid	Col de Lombarde and Tende
<i>Nigritella corneliana</i>	a vanilla orchid	Many in fine flower this year at Col de la Lombarde. Several at Tende. Endemic.
<i>Coeloglossum viride</i>	Frog Orchid	Scattered at higher altitudes e.g. Col de Lombarde
<i>Dactylorhiza sambucina</i>	Elder-flowered Orchid	Both colour forms recently over below Lombarde, scattered elsewhere
<i>Dactylorhiza fuchsii</i>	Common Spotted Orchid	Widespread and locally very common
<i>Dactylorhiza majalis</i>	Broad-leaved Marsh Orchid	Locally common
<i>Orchis ustulata</i>	Burnt-tip Orchid	Singles at two sites near Casterino

Systematic List Number 2

Butterflies

The taxonomic order and nomenclature follow Tolman and Lewington's 'Butterflies of Britain and Europe'.

Papilionidae

Swallowtail	<i>Papilio machaon</i>	Widespread in small numbers
Scarce Swallowtail	<i>Iphiclides podalirius</i>	Scattered records
Apollo	<i>Parnassius apollo</i>	Only one, along the Casterino road
Clouded Apollo	<i>Parnassius mnemosyne</i>	One, Val Sta. Anna

Pieridae

Black-veined White	<i>Aporia crataegi</i>	Widespread, locally common
Small White	<i>Artogeia rapae</i>	Scattered records
Green-veined White	<i>Artogeia napi</i>	Roya Valley
Mountain Green-veined White	<i>Artogeia bryoniae</i>	Lombarde
Bath White/Eastern Bath White	<i>Pontia daplidice/edusa</i>	Lombarde. The distribution of both species overlaps in the area, only biochemically distinguishable.
Orange-tip	<i>Anthocharis cardamines</i>	A male still on the wing Sta. Anna
Clouded Yellow	<i>Colias crocea</i>	Widespread in small numbers
Berger's Clouded Yellow	<i>Colias alfariensis</i>	Casterino
Brimstone	<i>Gonepteryx rhamni</i>	Widespread in small numbers
Cleopatra	<i>Gonepteryx cleopatra</i>	Rather common in Mediterranean zone
Wood White	<i>Leptidea sinapis</i>	Scattered records

Lycaenidae

Sloe Hairstreak	<i>Satyrium acaciae</i>	Sospel area
Ilex Hairstreak	<i>Satyrium ilicis</i>	Sospel area
White-letter Hairstreak	<i>Satyrium w-album</i>	1 at Saorge
Sooty Copper	<i>Lycaena tityrus</i>	Seen on three days
Purple-shot Copper	<i>Lycaena alciphron</i>	Two males Sta. Anna
Purple-edged Copper	<i>Lycaena hippothoe</i>	Tende
Little Blue	<i>Cupido minimus</i>	Scattered records
Osiris Blue	<i>Cupido osiris</i>	A few records, e.g. Roya Valley
Holly Blue	<i>Celastrina argiolus</i>	Saorge and Casterino
Large Blue	<i>Maculinea arion</i>	Sospel area
Silver-studded Blue	<i>Plebejus argus</i>	Scattered records
Idas Blue	<i>Plebejus idas</i>	Scattered records
Brown Argus	<i>Aricia agestis</i>	Sospel area
Mountain Argus	<i>Aricia artaxerxes</i>	Sta. Anna
Mazarine Blue	<i>Cyaniris semiargus</i>	Widespread
Ripart's Anomalous Blue	<i>Agrodiaetus ripartii</i>	A male above Casterino
Escher's Blue	<i>Agrodiaetus escheri</i>	Widespread in small numbers
Amanda's Blue	<i>Agrodiaetus amanda</i>	Scattered records
Common Blue	<i>Polyommatus icarus</i>	Only on one day

Riodinidae

Duke of Burgundy Fritillary *Hamearis lucina* One above Casterino

Nymphalidae

Southern White Admiral *Limenitis reducta* La Brigue and Saorge
Large Tortoiseshell *Nymphalis polychloros* 1 at La Brigue
Red Admiral *Vanessa atalanta* Scattered records
Painted Lady *Vanessa cardui* A few records, seen on three days
Small Tortoiseshell *Aglais urticae* A few at higher altitudes
Comma *Polygonia c-album* Scattered record
Silver-washed Fritillary *Argynnis paphia* Sospel area
High Brown Fritillary *Argynnis adippe* A few records
Niobe Fritillary *Argynnis niobe* Sta. Anna
Queen-of-Spain Fritillary *Issoria lathonia* Moulinet Forest
Twin-spot Fritillary *Brenthis hecate* 1 near Sospel
Marbled Fritillary *Brenthis daphne* Locally common
Titania's Fritillary *Clossiana titania* Sta. Anna and Casterino
Pearl-bordered Fritillary *Clossiana euphrosyne* Casterino area
Glanville Fritillary *Melitaea cinxia* A few records
Knapweed Fritillary *Melitaea phoebe* Common above Casterino
Spotted Fritillary *Melitaea didyma* Above Casterino
Lesser Spotted Fritillary *Melitaea triviva* 1 Val Sta. Anna, a scarce species in Piemonte

False Heath Fritillary *Melitaea diamina* Several in Casterino area
Heath Fritillary *Mellicta athalia* Widespread and common
Provencal Fritillary *Mellicta deione* Scattered records
Grisons Fritillary *Mellicta varia* One above Casterino
Marsh Fritillary *Euphydryas aurinia* 1 at Lombarde

Satyridae

Marbled White *Melanargia galathea* Locally common
Woodland/ Lesser Woodland Grayling *Hipparchia fagi/genava* One or both of these species seen on two days
Great Sooty Satyr *Satyrus ferula* Only seen on journeys this year
Great Banded Grayling *Kanetisa circe* A few records
Arran Brown *Erebia ligea* Scattered records
Large Ringlet *Erebia euryale* Above Casterino
Almond-eyed Ringlet *Erebia alberganus* Widespread, locally common
False Mnestra Ringlet *Erebia aethiopella* Sta. Anna
Piedmont Ringlet *Erebia meolans* Tende and above Casterino
Meadow Brown *Maniola jurtina* Scattered records, e.g. Saorge
Small Heath *Coenonympha pamphilus* Scattered records
Pearly Heath *Coenonympha arcania* Widespread and reasonably common
Alpine Heath *Coenonympha gardetta* Col du Lombardie
Speckled Wood *Pararge aegeria* La Brigue
Large Wall Brown *Lasiommata maera* Widespread in small numbers

Northern Wall Brown

Lasiommata petropolitana Seen on the first full day

Hesperiidae

Grizzled Skipper

Pyrgus malvae

Scattered records

Large Grizzled Skipper

Pyrgus alveus

A few records

Carline Skipper

Pyrgus carlinae

Merveilles

Safflower Skipper

Pyrgus carthami

Above Casterino

Red-underwing Skipper

Spialia sertorius

A few records

Mallow Skipper

Carcharodus alceae

Saorge and Sospel area

Dingy Skipper

Erynnis tages

Scattered records

Lulworth Skipper

Thymelicus acteon

Saorge etc.

Essex Skipper

Thymelicus lineola

Scattered records

Small Skipper

Thymelicus sylvestris

Scattered records

Large Skipper

Ochlodes venatus

Widespread

Systematic List Number 3 Birds

The focus of the tour was on butterflies and plants, summer in the European mountains not the most productive for birds, but the following species were recorded during the week.

Common Buzzard	<i>Buteo buteo</i>
Short-toed Eagle	<i>Circaetus gallicus</i>
Common Kestrel	<i>Falco tinnunculus</i>
Green Sandpiper	<i>Tringa ochropus</i>
Black-headed Gull	<i>Larus ridibundus</i>
Yellow-legged Gull	<i>Larus cachinnans</i>
Common Tern	<i>Sterna hirundo</i>
Rock Dove	<i>Columba livia</i>
Woodpigeon	<i>Columba palumbus</i>
Collared Dove	<i>Streptopelia decaocto</i>
Common Swift	<i>Apus apus</i>
Green Woodpecker	<i>Picus viridis</i>
Great Spotted Woodpecker	<i>Dendrocopos major</i>
Skylark	<i>Alauda arvensis</i>
Crag Martin	<i>Ptyonoprogne rupestris</i>
Swallow	<i>Hirundo rustica</i>
House Martin	<i>Delichon urbica</i>
Tree Pipit	<i>Anthus trivialis</i>
Water Pipit	<i>Anthus spinoletta</i>
Grey Wagtail	<i>Motacilla cinerea</i>
White Wagtail	<i>Motacilla alba</i>
Dipper	<i>Cinclus cinclus</i>
Wren	<i>Troglodytes troglodytes</i>
Dunnock	<i>Prunella modularis</i>
Robin	<i>Erithacus rubecula</i>
Black Redstart	<i>Phoenicurus ochruros</i>
Whinchat	<i>Saxicola rubetra</i>
Northern Wheatear	<i>Oenanthe oenanthe</i>
Rock Thrush	<i>Monticola saxatilis</i>
Blackbird	<i>Turdus merula</i>
Song Thrush	<i>Turdus philomelos</i>
Mistle Thrush	<i>Turdus viscivorus</i>
Lesser Whitethroat	<i>Sylvia curruca</i>
Garden Warbler	<i>Sylvia borin</i>
Blackcap	<i>Sylvia atricapilla</i>
Bonelli's Warbler	<i>Phylloscopus bonelli</i>
Chiffchaff	<i>Phylloscopus collybita</i>
Goldcrest	<i>Regulus regulus</i>
Spotted Flycatcher	<i>Muscicapa striata</i>
Willow Tit	<i>Parus montanus</i>
Crested Tit	<i>Parus cristatus</i>
Coal Tit	<i>Parus ater</i>

Blue Tit	<i>Parus caeruleus</i>
Great Tit	<i>Parus major</i>
Nuthatch	<i>Sitta europaea</i>
Jay	<i>Garrulus glandarius</i>
Magpie	<i>Pica pica</i>
Nutcracker	<i>Nucifraga caryocatactes</i>
Alpine Chough	<i>Pyrrhocorax graculus</i>
Carriion Crow	<i>Corvus corone</i>
Raven	<i>Corvus corax</i>
House Sparrow	<i>Passer domesticus</i>
Chaffinch	<i>Fringilla coelebs</i>
Serin	<i>Serinus serinus</i>
Citril Finch	<i>Serinus citrinella</i>
Greenfinch	<i>Carduelis chloris</i>
Goldfinch	<i>Carduelis carduelis</i>
Linnet	<i>Carduelis cannabina</i>

Systematic List Number 4 Amphibians, Reptiles, Mammals

Common Frog	<i>Rana temporaria</i>	A few records
Common Wall Lizard	<i>Podarcis muralis</i>	Scattered records
Western Green Lizard	<i>Lacerta bilineata</i>	West of Breil
Alpine Marmot	<i>Marmota marmota</i>	Scattered at higher altitudes
Fox	<i>Vulpes vulpes</i>	A road casualty
European Lynx	<i>Lynx lynx</i>	Clear tracks at Casterino
Alpine Chamois	<i>Rupicapra rupicapra</i>	One above Casterino