

Maritime Alps

Wildlife at Leisure

A Greentours Tour Report

9th to 16th July 2023

Led by Paul Cardy and Stefano Doglio

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 more than twenty years of leading tours here, and living just to the north, the area still holds some surprises.

Plant highlights this year were *Saxifraga callosa* cascading from cliffs, perfect *Saxifraga caesia*, a rosette of the rare *Saxifraga florulenta*, the always impressive *Leuzea conifera*, fine endemic *Gentiana rostanii*, the endemic vanilla orchid *Nigritella corneliana*, *Epipactis muelleri* new for the tour, endemic *Micromeria marginata*, endemic *Potentilla valderia*, *Silene armeria* new for the tour, fine *Monotropa hypophegea*, *Geranium macrorrhizum*, *Trochiscanthes nodiflora*, *Pseudolysimachion spicatum*, endemic *Jovibarba allionii*, endemic *Veronica allionii*, rayless *Leucanthemum discoideum*, *Tephrosieris capitata*, fine endemic *Lilium pomponium*, and fine endemic *Allium narcissiflorum*.

An excellent tour for butterflies, we recorded 118 species, many in large numbers, with several sites simply alive with nectaring butterflies, the variety and numbers of fritillaries particularly memorable.

Richard, Stefano, and I arrived from the Central Italian Alps tour, and due to the various airport drop offs at the end of that tour Richard travelled in the mini-bus with me, and Stefano travelled separately. Having stayed near Cuneo the night before the tour Richard and I had an excellent drive over the Col de Lombarde on the way to meet arrivals at Nice on the Sunday. We made several stops at my regular sites to check out the flora, seeing many butterflies too, notably Peak White, Purple Emperor, Cynthia's Fritillary, and Darwin's Heath. *Gentiana rostanii*, *Veronica allionii*, and *Nigritella corneliana* were in fine flower, and promised much for the tour when we'd return here during the week. We were delighted to find a rosette of that most special endemic *Saxifraga florulenta*, at one of my traditional sites for the species.

The first four nights were spent at a small pleasant family run hotel in the Valdeblore village of La Bolline, a fine location, well situated for all excursions. For the last three nights of the tour we moved to the Italian side of Mercantour National Park, and the town of Limone Piemonte in Cuneo province, which allowed easy access into the Italian Alpi Maritime, another superbly productive area.

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.

On Sunday all arrivals were at Nice, but on several different flights. I met the earlier arrivals, and Stefano the last. Easier this year as all my arrivals were in T2. We arrived at La Bolline with time to settle in before enjoying our first excellent dinner.

The first full day was spent visiting a selection of local sites in Valdeblone. Initially we drove towards Col St.Martin under clear blue skies, the day already hot. A minor road climbs above the col and features a Mediterranean influenced flora at a surprisingly high altitude.

Genista cinerea was co-dominant in the scrub. This was a productive area for umbellifers, with much impressive large *Laserpitium gallicum*, the stately *Molopospermum peloponnesiacum* in fruit, delicate yellow *Bupleurum praealtum*, and unpleasant smelling *Sison amomum*. The umbels swarmed with a great variety of Diptera, Hymenoptera, Coleoptera, and other insects. Among these were the bug *Graphosoma italicum*, and the black and red banded beetles *Trichodes alvearius* and *Trichodes apiarius*. Grasshoppers, blue-winged *Oedipoda caerulescens*, and the red-winged *Oedipoda germanica*, made short flights.

Pyramidal Orchid was in flower, *Galium obliquum* had sprays of delicate pink flowers, *Hypericum coris* with its narrow leaves was in impressive bloom, *Teucrium montanum* was attractive, and *Centaurea leucophaea* was numerous (in bud this year). Yellow flowered *Ononis minutissima*, *Ononis striata*, and *Ononis natrix* were all here. *Plantago sempervirens* was a distinctive woody branched plantain, and the delicate flowered grass *Achnatherum calamagrostis* was a beautiful feature. There were fine Dark Red Helleborines. New plants came thick and fast, with *Helianthemum italicum*, *Helianthemum apenninum*, *Linum suffruticosum appressum*, and *Globularia cordifolia*. *Viscum album* was rather common on pines, this the subspecies *austriacum*.

Butterflies were numerous and varied, especially attracted to the abundant *Scabiosa vestita*. Marbled Whites were numerous. Among the blues were Escher's Blue, Lang's Short-tailed Blue, and Adonis Blue. Blue-spot Hairstreak nectared, beautiful Purple-shot Coppers, the *gordius* race, were stunning, and also here was Sooty Copper.

The great fritillary variety began with Silver-washed Fritillary, Dark Green Fritillary, Marbled Fritillary, Knapweed Fritillary, Spotted Fritillary, Heath Fritillary, and Provencal Fritillary. Here too were Pearly Heath, Scarce Swallowtail, Pale Clouded Yellows, Great Banded Grayling, Rock Grayling, Pearly Heath, Black-veined White, and Red-underwing Skipper.

Among burnets were *Zygaena transalpina*, *Zygaena filipendulae*, and *Zygaena lonicerae*. There were several of the moth Frosted Yellow, extinct in UK, and associated here with the various shrubby legumes.

The plant highlight was superb *Lilium pomponium*, a local endemic, with several in perfect flower.

Plants continued with *Asperula aristata*, the endemic *Euphorbia valloniana*, *Hieracium staticifolium*, *Hieracium pictum*, *Coronilla varia*, *Coronilla minima*, *Aquilegia bertolonii*, *Veronica fruticulosa*, and *Cirsium eriophorum*. *Gentiana ligustica* had gone over, *Rhamnus alpinus* was in fruit, and Bearberry tumbled across rocks.

The extensive picnic lunch was set out at a shaded riverside site (no water above ground though!). This was a site we've been visiting since the end of the last century, but the topography has been transformed recently due to a major landslide. The river gravels were completely rearranged, the track we used to walk no longer here. However, a stroll along the wooded lane produced many plants in productive forest and along open stretches with fine views of Valdeblore below. *Gentiana cruciata* and *Dianthus seguieri* were both in fine flower at the lunch site, and Southern White Admirals, Wood White, and Cleopatra were on the wing.

Woodland plants included *Campanula trachelium*, *Digitalis lutea*, the attractive purple bracted *Melampyrum velebiticum*, Nodding Wintergreen in fruit, *Geranium nodosum*, *Astragalus glycyphyllos* in fruit, *Euphrasia rostkoviana*, *Calamintha nepeta*, *Saxifraga cuneifolia*, *Pimpinella tragium*, and *Seseli galloprovinciale*. The endemic *Teucrium lucidum* was a feature. I was pleased to see again the grass *Sesleria argentea*, new to the list on our previous visit.

Our next burnet species, the beautiful *Zygaena hilaris*, was admired.

The impressively situated village of Rimplas affords fine views in all directions. There we walked to the Maginot Line fort. Thankfully the verges had not been mowed this year, as inexplicably they had been last year. Having said that the fort environs had been sanitised. Cicadas provided the soundtrack.

Planted flowering lavenders in the centre of the village attracted a selection of butterflies and other insects, interestingly many more than the wild *Lavandula angustifolia* which was also in flower. Here we saw Scarce Swallowtail, Great Sooty Satyrs, Black Satyrs, several Great Banded Graylings, Blue-spot Hairstreak, Provencal Fritillary, and Weaver's Fritillary.

The plants here show a strong Mediterranean influence. *Consolida regalis* flowered in the village, the hillside scrub had both Prickly and Phoenician Juniper, and St.Lucie's Cherry was in fruit. *Asperula purpurea* with its small purple flowers was very attractive. The variety continued with Yellow Chamomile, Spiny Spurge, Shrubby Plantain, both *Artemisia alba* and *Artemisia chamaemelifolia*, *Inula spiraeifolia*, *Hieracium amplexicaule*, and *Echinops sphaerocephalus*. A highlight was several Lizard Orchids in fine flower.

We saw Box Moth, just one, a recent colonist from Asia and now locally numerous at many sites in Europe. Moorish Geckos were on the walls of a small house. At the fort were three False Ilex Hairstreaks. *Orobancha hederæ* was seen, and *Centaurea paniculata* was another butterfly favourite.

The following day we headed over the Col St.Martin, into the Vesubie valley. The scenes that greeted us in St.Martin Vesubie were remarkable. Devastating floods in October 2020 had caused immense damage. Again, the topography was changed. Bare river gravels swept across the landscape where a newly laid road now took us into town past half collapsed houses, houses now filled with rocks, and general

destruction. Most striking last year had been an imposing house cut in half by the landslide, the remaining half surviving atop the newly formed cliff, the rooms exposed to the elements. This had now been demolished.

We negotiated the network of roads in and above the village of Belvedere, and took the road that climbs up the Gordolasque valley. Chamois was at the roadside as we neared our destination. At the upper end of the valley a superb walk was enjoyed amid fine alpine scenery, alongside a rushing stream, with beautiful flowery meadows alive with butterflies. There was enough to amuse us even in the car park. Plants began with *Laserpitium latifolium*, *Aconitum napellus*, *Dianthus pavonius*, *Galeopsis ladanum*, *Pimpinella major*, and *Athyrium distentifolium*. Rushes featured in wet flushes, with *Juncus acutiflorus*, *Juncus articulatus*, *Juncus bulbosus*, and *Juncus conglomeratus* all here.

Listera ovata bloomed, the endemic *Potentilla valderia* was in fine flower, *Semprevivum arachnoideum* and *Semprevivum montanum* were impressive, *Sagina glabra* flowered in the path, and *Cuscuta europaea* parasitised nettles. New plants punctuated the walk, *Lychnis flos-jovis*, *Aster alpinus*, *Erigeron alpinus*, *Armeria alpina*, *Digitalis grandiflora*, *Malva moschata*, *Antennaria dioica*, *Centaurea uniflora*, *Silene rupestris*, *Campanula spicata*, *Campanula scheuchzeri*, *Astrantia minor*, *Sedum annuum*, *Galium tendae*, *Luzula nivea*, *Veratrum album* in flower, *Potentilla aurea*, *Euphrasia alpina*, *Polygonum alpinum*, and *Lamium garganicum*. Moonwort was common in one area of turf.

Chamois was seen again, closely.

Idas and Silver-studded Blues were both here, Apollo drifted over the slopes, and fritillaries were represented by Queen of Spain Fritillary, Pearl-bordered Fritillary, Glanville Fritillary, Titania's Fritillary, and Provençal Fritillary. Lycaenids included Purple-edged Copper, Geranium Argus, Large Blue, and Chalk-hill Blue. Among *Erebias* were Arran Brown, Large Ringlet, Mountain Ringlet, Scotch Argus (just one) and Almond-eyed Ringlet, and Tufted Marbled Skipper, Mountain Green-veined White, and White Admiral were seen.

Burnets typical of the habitat were *Zygaena loti* (Slender Scotch Burnet), and *Zygaena purpuralis* (Transparent Burnet), and one or more forester species was seen.

Looking up now and again from our perusal of the plants and insects revealed great open views, the valley stretching far above, ultimately to the Val des Merveilles, which we've visited from the other side, the Casterino valley. On the slopes of Mt.Bego, the Merveilles valley boasts many rocks and boulders with carvings, mostly dating from the second millenium B.C., some 40,000 in total. Among these are carvings of animals and human figures, the sun, arrows, and various mysterious symbols.

Rivulets across the track attracted a selection of mud puddling skippers, Oberthur's Grizzled Skipper, Large Grizzled Skipper, Olive Skipper, and Carline Skipper, and Little Blue, Mazarine Blue, Adonis Blue, and Escher's Blue.

Water Pipit and Northern Wheatear were typical of the habitat.

Plants continued with *Trifolium badium*, *Spergularia rubra*, *Hypericum montanum*, and *Erigeron acer*. A wet flush had Grass of Parnassus in flower, *Epilobium palustre*, *Eriophorum latifolium*, and a selection of sedges including *Blysmus compressus*, *Carex echinata*, *Carex panicea*, and *Carex lepidocarpa*. Boulders had impressive rosettes of the endemic *Jovibarba allionii*. High Brown Fritillary landed on damp ground in the car park.

A little way down the valley I set out lunch whilst Stefano drove two Belgian girls down to the main road. They'd been walking from Trecolpas when their friend was taken ill, and they needed a lift to where they could get a bus. Here we saw the moth Lead Belle, and Briancon Apricot.

Back in the vehicles, driving slowly back down the valley, were impressive Large Yellow Foxgloves and fine flowery meadows. At a riverside stop Ringlet and Arran Brown were on the wing, *Saxifraga cuneifolia* flowered at the forest edge, and *Primula latifolia* was in fruit on boulders. *Geranium macrorrhizum* was also in fruit, a species with an interesting disjunct distribution, centred on the Balkans, here too, but absent from most of the Alps in between. Balkan Fritillary has a similar distribution. Here too were *Trifolium aureum*, *Stellaria nemorum*, *Stellaria alsine*, *Saxifraga cuneifolia* in flower, Parsley Fern, and *Ribes alpinum*. An annulet species was seen and Grey Wagtail frequented the stream.

We stopped to admire an impressive waterfall, and found *Silene armeria*, new for the tour. Nearby *Jasione montana* was in flower.

Lastly today was a stop in bustling St.Martin Vesubie, where I led a group to the bookshop, pleasingly still open after all these years. There was time for a stroll in town before returning to the tranquility of the hotel after another excellent productive day.

On Thursday, leaving La Bolline again under cloudless blue skies we travelled the now familiar road via Col St. Martin thence to Roquebilliere. We stopped for picnic supplies in St.Martin Vesubie. At a fuel stop Lulworth Skipper nectared on lavender. Hard to imagine seeing that species at a service station in Dorset!

Taking a road above the village of Bollene, two species of Globe Thistle, *Echinops ritro* and *Echinops sphaerocephalus*, were in flower on verges, and many of the pines were parasitised by mistletoe. The vegetation was very dry at our first stop, but there were fine views down to the Vesubie valley. Here were fruiting Large Mediterranean Spurge, *Petrorhagia saxifraga*, Pitch Trefoil, and Hop Hornbeam. *Leuzea conifera* had been new for the tour last year and a plant highlight, and we were pleased to find it again here, its bracts its most impressive feature.

We headed up to the Col de Turini, the many bends becoming more floriferous as we ascended, *Catanache caerulea* flowering on roadsides. A bright orange flower also catches the eye on the roadsides here, *Leucanthemum discoideum*, a near endemic, and very attractive, being an ox-eye daisy with no ray petals. A highlight was a superb group of *Monotropa hypophegea* on the forest floor, in fine condition. Rock/Woodland Grayling was here, and Gold-ringed Dragonfly was seen. Also seen were *Bupleurum falcatum* ssp.*cernuum*, *Clinopodium vulgare*, *Cirsium erisithales*, *Adenostyles alpina*, and *Digitalis lutea*.

Some way down on the other side of the Col de Turini was an excellent butterfly site, one of the most productive of the tour, with many species and large numbers of individuals. Among the fritillaries were Silver-washed, Dark Green, High Brown, Niobe, Queen-of-Spain, Marbled, Spotted, Knapweed, Provencal, and Heath. There were several Scarce Coppers, and Green Hairstreak. Among blues were Mazarine Blue and Escher's Blues., and here too were Arran Brown and Southern White Admiral. All very good, but for some reason much of the usual stand of thistles had been cut this year, so there were fewer butterflies, fritillaries especially, than usual at this site.

The focus here was on insects, but we did see *Salvia glutinosa*, *Prunella laciniata*, *Campanula medium*, the endemic umbel *Trochisanthes nodiflora*, *Calamintha grandiflora*, *Scrophularia nodosa*, and Sanicle. A great find was impressive *Boletus satanus* in the woods, and Clouded Agaric, *Clitocybe nebulosa*, was fruiting surprisingly early in such hot weather.

Having found a lunch site near Sospel, we found several new things. Most notable was fine *Epipactis muelleri*, new for the tour after all these years. An interesting selection of plants included Safflower, *Linum collinum austriacum*, *Echinops ritro*, *Ajuga chamaepitys*, blue flowered Scarlet Pimpernel, and *Scirpoides holoschoenus*. White-letter Hairstreak and two Sloe Hairstreak were great finds, and Large Red Damselfly was here.

Another Mediterranean influenced site at Luceram had *Xanthium spinosum*, *Verbena officinalis*, *Dorycnium pentaphyllum*, *Centaureum erythraea*, *Catananche caerulea*, *Inula montana*, *Anthemis tinctoria*, *Petrorhagia prolifera*, and Tree Heath. Twin-spot Fritillary was a highlight, Marbled Fritillary here too. A fine Ocellated Lizard was seen all too briefly.

Another site had many *Orobanche amethystea* parasitising *Eryngium campestre*. *Cistus albidus* was in fruit and we found *Linum trigynum* and *Stachys heraclea*.

Back at Turini, flowering Deadly Nightshade was impressively large. Italian Maple was noted and Black Woodpecker called.

Every other evening or so saw us going through the plant and butterfly checklists before dinner, each hotel having a room ideal for the purpose. Evening walks around La Bolline yielded both Fireflies and Glow-worms, and bats of course, and Nightjar churred every evening.

Friday saw us leaving La Bolline, carefully loading the cars, and saying fond farewells to Isabelle and Serge. The transfer day in the alpine zone saw us initially driving along the Tinee Valley to Isola, up to Isola 2000 and above to the Col de la Lombardie (or Lombarde), and into Italy. Once above Isola the roadsides became ever more floriferous. Again we enjoyed cloudless blue skies, and it was hot. A Citroen rally, all the same 1930's model, was making its way to the Col too.

First stop was at the site for that most special of endemics, *Saxifraga florulenta*. Very rare to see it in bloom, we have once seen it flowering here, but this year we at least saw a still spectacular rosette. Even through the telescope, I'm not sure everyone appreciated its significance! *Saxifraga paniculata* and *Saxifraga cuneifolia*

were here too. The endemic *Silene cordifolia* was on cliffs and *Primula marginata* was in fruit. Apollo nectared, and there were Spotted Fritillary and Glanville Fritillary.

Next was a stop for fine flowering mats of *Astragalus hypoglottis*. Purple-edged Copper was on the wing, Nutcrackers called, and Crag Martins flew low over the road. The geometer *Crocota pseudotinctaria* was typical of the habitat. Fine flowering *Bromus erectus* lined the road.

A superb show of *Dactylorhiza fuchsii* coloured whole stretches of the roadside. *Gentiana asclepiadea* was in leaf, *Tofieldia calyculata* and *Parnassia palustris* bloomed in wet flushes, *Lilium martagon* was in flower, *Stachys pradica* was impressive, and *Centaurea montana*, *Erysimum virgatum*, *Erigeron gaudinii*, and *Saxifraga stellaris* were in flower. Orange-tip was still on the wing, now at the very end of its flight period, even at this altitude. The moth Lewes Wave, extinct in Britain, was seen. Whilst we were admiring the flowers at this stop, Stefano had driven into nearby Isola 2000 for picnic supplies.

Above the sprawling ski development of Isola 2000 flowery slopes had the endemic *Veronica allionii*, *Carex leporina*, *Leontodon helveticus*, and *Pinguicula vulgaris* rosettes. Erebias were represented by Mountain Ringlet and Common Brassy Ringlet flying low over the turf. And Mountain Argus was seen. Four Griffon Vultures soared in the clear sky.

The Italian side of the Col de la Lombarde, at about 2,300m, gave fine views of the surrounding peaks, marmots whistling their alarm calls. *Achillea erba-rota* was here and *Senecio incanus* was in attractive flower. There was much *Adenostyles leucophylla* with its distinctive white woolly leaves, typical of the acidic rocks, and there were some fine patches of Parsley Fern growing among the outcrops. *Polygonum alpinum* and *Euphrasia alpina* were in flower.

We explored the environs of a small alpine lake, full of flowering *Sparganium angustifolium*, an uncommon species here but numerous at this site. The flora was very advanced this year, more so than the sites we'd already visited, due to the exposed situation and continuous hot weather. Alpine Choughs were in the air.

Splashes of yellow were provided by *Potentilla grandiflora*. The wetter flushes nearer the lake held an interesting selection of rushes and sedges, the latter including *Carex brunnescens*. There were False Helleborines in flower, *Dianthus pavonius* numerous, *Trifolium alpinum*, and Moonwort in short turf. *Juncus trifidus* was in flower, a beautiful mixture of delicate yellow, pink, and chestnut, and my favourite regional plant. *Pseudorchis albida* and *Cirsium spinosissimum* were in flower, and *Carex foetida* was very locally common in one gully, the only place we saw it on the tour. *Pedicularis rostratospicata* was numerous and *Phyteuma globulariifolium pedemontanum* grew on boulders.

Mountain Clouded Yellow flew over the grassy slopes. Cynthia's Fritillary was our target. A few days earlier Richard and I had seen them here within minutes. Today it took longer but perseverance rewarded fine views of this most distinctive fritillary. Wood Tiger and Large Blue were here too.

It was time for lunch which Stefano and I set out amid the fine scenery.

A site a little further on had many of the endemic vanilla orchid *Nigritella corneliana*. These had been in perfect flower on Sunday but just a few days later many were now over, although we did find some in good flower. In wet flushes, a little higher than a few days ago, *Gentiana rostanii* was still in fine bloom. *Triglochin palustris* and Bog Violet were in the same wet flushes, and nearby was *Phyteuma michelii*. Grisons Fritillary was typical of the habitat, where its foodplant *Plantago alpina* grows, and the regional endemic False Mnestr Ringlet was another highlight.

A drive further into Italy along the Santa Anna valley took us into superb habitat, bursting with flowers. *Lychnis flos-jovis* provided splashes of vivid pink, there were very robust *Campanula spicata*, large flowered *Lamium garganicum*, *Veronica fruticans*, *Luzula nutans*, and *Centaurea nervosa* with its beautiful feathery bracts. Apollos nectared and drifted over the slopes and Chalkhill Blue and Turquoise Blue were seen. The moth *Syntomis phegea* (*Amata phegea*) was much in evidence, and in flower were *Allium rotundum* and *Minuartia laricifolia*.

At a riverside stop we saw Scarce Copper, Purple-shot Copper, Titania's Fritillary and Mountain Ringlet, and *Sedum anacampseros* was in flower.

Once in the Stura di Demonte Valley, we headed purposefully east. Our journey took us towards the now closed Tende tunnel, and the town of Limone Piemonte, where we settled in to our pleasant hotel. The long term closure of the Tende tunnel forced a reorganisation of the itinerary last year. In recent years we have had one base, the hamlet of Casterino, on the French side of the Col de Tende. From there we visited sites on both sides of the border, using the tunnel several times during the week. Severe landslides in 2020 forced the closure of the tunnel, such an important link between Piemonte and Nice, and it will surely not reopen for some time yet.

To enable us to visit the excellent sites in both France and Italy we now stay in Valdeblore for the start of the tour, and move to Limone to enable the Italian sites, especially the excellent Col de Tende, to be included. A great bonus is that Marina and Angelo, our friends who run the hotel in Casterino, also own and run the restaurant next door to this new hotel in Limone. So staying in the comfortable hotel, we eat next door, the food excellent.

Black Woodpecker called and that first evening I saw it from my window.

Our first full day in Italy (well, we did spend a short time in France too), was a superbly productive one, especially floristically. Limone was an ideal base, and it was only a matter of minutes before we were at the first site. A short walk took us to the impressive sight of a very early attempt at a tunnel. Very many plants of the local endemic *Micromeria marginata* flowered on cliffs at the mouth of the tunnel, where *Arabis alpina* and the endemic *Minuartia villarii* were also in flower. Cascading *Saxifraga callosa* was still in flower in the cool tunnel entrance, *Saxifraga rotundifolia* flowered in the shade, and *Primula marginata* was in fruit. We walked a little way into the tunnel, enjoying the cool air.

I pointed out the endemic *Carex ferruginea tendae* and the many plants continued with *Aster bellidiastrum*, *Adenostyles alliariae*, *Campanula cochlearifolia*, Limestone Fern, *Polystichum aculeatum*, *Crepis albida*, and *Cystopteris fragilis*. The fragrant orchid *Gymnadenia densiflora* was in fine flower.

The genus *Rosa* featured today, with several rather confusing plants seen, but at least *Rosa glauca* was distinctive. Mountain Alcon Blue was a pleasing find, and the more prosaic Holly Blue was seen.

At woodland edge was a fine lush flora, although the many *Cicerbita alpina* were all in fruit this year. Other forest edge plants included the endemic *Trochisanthes nodiflora*, *Streptopus amplexifolius* with its red fruits, *Chaerophyllum hirsutum*, *Senecio ovatus*, *Prenanthes purpurea*, Lady Fern and Male Fern side by side, Hard Shield Fern, *Ranunculus platanifolius*, and *Myrrhis odorata*. Chiffchaff called. Interesting were robin's pin cushions in the middle of rose leaves, rather than galling buds, but these were still caused by the widespread gall wasp *Diplolepis rosae*. We saw the attractive tortricid *Ancyliis badiana*.

A short walk along a side track yielded Scarce Swallowtail, *Malva moschata*, *Gentiana cruciata* (still no eggs of Mountain Alcon Blue), *Galium rubrum*, and *Allium oleraceum*. Marmots called from a colony on the open slopes. Four soaring Griffons were over the col.

It was higher rocks that revealed many fine flowers. *Saxifraga callosa* cascaded abundantly from cliff faces and fort walls. The endemic *Allium narcissiflorum* was in fine flower, a trip highlight, and a bonus was *Saxifraga caesia* in superb flower this year. Both *Bupleurum petraeum* and *Bupleurum ranunculoides* were very attractive, and the endemic *Silene campanula* was in flower. *Tephrosieris capitata* was a fine addition to the list. *Dryas octopetala* was numerous, the white-felted *Hieracium tomentosum* was very common, and there was much of the very hairy *Hieracium villosum*. Plants continued with *Hypericum richeri*, *Galeopsis pubescens*, *Veronica allionii*, large flowered *Hypochaeris uniflora*, *Arnica montana*, *Silene saxifraga*, and *Cotoneaster integerrimus* in fruit.

Honey Buzzard was in the air.

Those who ventured up a steeper side track were rewarded with the above selection of species, but some had walked further along the main track, or enjoyed a coffee in the refugio. *Nigritella rhellicani* and *Orchis ustulata* were seen along the lower road.

A drive a little further on the French side of the col, along the track that leads to Casterino, afforded fine views down to the French side of the tunnel, an impressive series of switchbacks below us, the road having been notably improved due to the increased importance of the Col route now the tunnel is closed.

We drove some way along an exciting mountain track until the habitat opened out to a grassy plateau. Here Stefano and I set out lunch. A post prandial stroll produced *Gentiana campestris*, *Nigritella rhellicani*, and *Nigritella corneliana*. Nutcrackers called and Whinchat was in the conifers. A surprise was the gomphid *Onychogomphus forcipatus*, here in very open habitat with no apparent water nearby.

Another stop was prompted by the endemic *Dianthus scaber* that I spotted from the vehicle. *Linaria angustissima* was a beautiful rich yellow, *Minuartia rostrata* was added to the list, there were many *Potentilla valderia* in flower, and *Minuartia capillacea*, *Scutellaria alpina*, and *Linaria supina*.

We stopped to explore one of the many nineteenth century forts that characterise the area. Here it was dry and dusty but there were nevertheless still many flowers, *Nepeta nepetella*, *Allium alyssoides*, and *Rhamnus saxatilis* among the new ones. More fine *Saxifraga callosa* cascaded from the walls. A side track led us to cliffs where were simply superb *Allium narcissiflorum* and more *Saxifraga caesia*.

Woodland edge lower down had Herb Paris, fruiting *Cardamine heptaphylla*, and several fine Broad-leaved Helleborines. I was delighted to see the very distinctive black and white geometer *Baptia tibiale*, associated with Baneberry, for me a tour highlight. *Geranium macrorrhizum* was here, at a new site for us. The last stop of the day had Bird's-nest Orchid and a few fungi on the forest floor.

Among other butterflies today were Swallowtail, Apollo, Large Grizzled Skipper, False Heath Fritillary, Heath Fritillary, and Grison's Fritillary. *Gnaphalium norvegicum* and *Leucanthemum atratum ceratophylloides* had been seen too.

The last full day was spent again not too far from Limone, in the environs of the attractive village of Entracque, and the Valdieri valley, on the northern slopes of Argentera at the heart of the Alpi Marittime National Park.

We parked in a small hamlet, beautifully situated, and set out on foot initially along a leafy lane.

Butterflies began with Silver-washed Fritillaries and Ringlet, and it was butterflies that would dominate today. There were several of the black, white, and yellow moth *Amata phegea*. Several tree tops were alive with butterflies, attracted to flowers in the canopy. Purple Hairstreak was seen briefly and Southern Small White and Berger's Clouded Yellow were on the wing. The song of Western Bonelli's Warbler was a feature.

Abundant flowering lavender attracted very many butterflies and other insects. Among the many species were Swallowtail, Baton Blue, Little Blue, Adonis Blue, Large Blue, Tufted Marbled Skipper, Dingy Skipper, Dusky Meadow Brown, Dark Green Fritillary, High Brown Fritillary, Marbled Fritillary, Knapweed Fritillary, Spotted Fritillary, Heath Fritillary, Provencal Fritillary, and notably Nickerl's Fritillary. Mountain Alcon Blue was seen again and today we also found its eggs on Cross Gentian.

We drove to the top of this verdant road and set out the lunch. This turned out to be a superb site, and doing our time here we saw Purple Emperor, Lesser Purple Emperor, both on bait, Southern White Admiral, and White Admiral. To see both purple emperor species at one site is very special. Silvery Argus was also attracted to bait.

Back in the vehicles we explored another valley, at the end of the road reaching a small alpine lake where we took a break and had ice creams and cold drinks amid the fine scenery.

That evening, having all returned to the hotel, I headed out again to wash the very dirty mini-bus in Borgo San Dalmazzo, in preparation for returning it the next day. That evening we enjoyed an excellent last dinner.

On Sunday, departures were various. Stefano left early with Otto who had an earlier flight. I drove everyone else to the environs of Torino where we had time to explore before the afternoon and evening flights. We took pleasant quieter roads, the route I used to drive so often when I lived in the area for a decade.

Joining the Torino tangenziale was something of a culture shock, the first heavy traffic we'd seen all week.

A site near my home has colonies of several special butterflies. It took time but we did finally see Scarce Large Blue, on the wing, but False Ringlet was elusive today, the only one flying through the parking area when we arrived. Twin-spot Fritillary and Dryad were here too. The plant highlight was Spiked Speedwell. The very local burnet *Zygaena cynarae* was associated with its foodplant *Peucedanum cervaria*.

Another site, the extensive grounds of an historic Savoy hunting lodge, produced several dragonflies, birds, and butterflies, and we saw a fox, and several rabbits.

It was now just a few minutes to the airport. There we said our fond farewells after a superbly enjoyable and productive tour. Stefano took over the mini-bus, he'd return it tomorrow after staying with his parents, and I picked up a hire car and drove home to the mountains.

Maritime Alps July 2023 Systematic Lists

Compiled by Paul Cardy

Itinerary

Day 1. Sunday 9th July. Arrival Nice, and transfer to La Bolline

Day 2. Monday 10th July. Col St.Martin, La Bolline, Rimplas

Day 3. Tuesday 11th July. Gordolasque, St.Martin Vesubie

Day 4. Wednesday 12th July. Col de Turini, Moulinet Forest, Sospel, Luceram

Day 5. Thursday 13th July. Tinee Valley, Isola 2000, Col de la Lombarde (Col du Lombardie), Val Sta.Anna, Limone Piemonte

Day 6. Friday 14th July. Col de Tende

Day 7. Saturday 15th July. Entracque

Day 8. Sunday 16th July. Torino sites. Departure.

Systematic List Number 1

Plants

The systematic order and nomenclature follow 'Flora Alpina' by Aeschimann et al (2004), the standard work for the whole of the Alpine Arc. Among many other works used were 'Guide de la Flore des Alpes-Maritimes' by Lionel Carles and Ludovic Thébault, 2010, and 'Mémento de la Flore Protégée des Alpes-Maritimes' by Salanon et al., 2010. 'Flora Gallica, Flore de France' by Tison and de Foucault, Biotope 2014, and 'Flora d'Italia' by Sandro Pignatti, 4 volumes, Edagricole 2017 to 2019 are the standard floras for each country. Species new to the list this year are annotated 2023. Species seen previously but not this year are annotated with the year in which they were last seen. Isola 2000 is the place, not a year annotation!

Ferns and Allies

<i>Selaginella helvetica</i>	Swiss Clubmoss	Entracque
<i>Equisetum ramosissimum</i>	Branched Horsetail	Entracque
<i>Equisetum arvense</i>	Common Horsetail	Scattered records
<i>Equisetum telmateia</i>	Great Horsetail	Sospel area 2022
<i>Botrychium lunaria</i>	Moonwort	Gordolasque, Col du Lombarde, Tende
<i>Adiantum capillus-veneris</i>	Maidenhair Fern	Day 4
<i>Cryptogramma crispa</i>	Parsley Fern	Col du Lombarde and Gordolasque
<i>Polypodium cambricum</i>	Southern Polypody	Valdeblore
<i>Polypodium vulgare</i>	Common Polypody	Scattered records
<i>Pteridium aquilinum</i>	Bracken	Scattered records
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	Rimplas, La Bolline, etc.
<i>Asplenium viride</i>	Green Spleenwort	Tende
<i>Asplenium adiantum-nigrum</i>	Black Spleenwort	Recorded
<i>Asplenium septentrionale</i>	Forked Spleenwort	La Bolline, Gordolasque, Tende
<i>Asplenium ruta-muraria</i>	Wall-rue	La Bolline, Tende, etc.
<i>Asplenium ceterach</i>	Rusty-back Fern	La Bolline 2022
<i>Athyrium filix-femina</i>	Lady Fern	Scattered records, e.g. Val Sta. Anna
<i>Athyrium distentifolium</i>	Alpine Lady Fern	Scattered at higher altitudes, e.g. Lombarde
<i>Cystopteris fragilis</i>	Brittle Bladder Fern	Local, e.g. Gordolasque, Lombarde, Tende
<i>Gymnocarpium dryopteris</i>	Oak Fern	Lombarde
<i>Gymnocarpium robertianum</i>	Limestone Fern	Tende
<i>Polystichum lonchitis</i>	Holly Fern	Gordolasque
<i>Polystichum aculeatum</i>	Hard Shield Fern	Tende
<i>Dryopteris filix-mas</i>	Male Fern	Locally common
<i>Dryopteris affinis</i>	Scaly Male Fern	Scattered records

Gymnospermae

Pinaceae

<i>Abies alba</i>	Silver Fir	Scattered records
<i>Picea abies</i>	Norway Spruce	Locally dominant
<i>Larix decidua</i>	Larch	Locally dominant
<i>Pinus sylvestris</i>	Scot's Pine	Widespread and locally 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 collines

Pinus cembra Arolla Pine Local at higher altitudes

Cupressaceae

Cupressus sempervirens Italian Cypress Planted
Juniperus communis ssp.communis Juniper Scattered records
Juniperus communis ssp.alpina Prostrate Juniper Locally common at higher altitudes
Juniperus oxycedrus Prickly Juniper Rimplas
Juniperus phoenicea Phoenician Juniper Rimplas

Angiospermae

Dicotyledons

Aristolochiaceae

Asarum europaeum Asarabacca In leaf Entracque, 2023

Ranunculaceae

Helleborus foetidus Stinking Hellebore Scattered records
Helleborus viridis Green Hellebore In leaf at various sites
Helleborus niger ssp.niger Christmas Rose In leaf Tende woods, 2023. Not within its native range.
Actaea spicata Baneberry In fruit at Tende and Entracque
Caltha palustris Marsh Marigold In fruit 2022
Aconitum lycoctonum ssp. vulparia Wolfsbane Moulinet
Aconitum napellus Monk's-hood Gordolasque, in leaf
Consolida regalis Forking Larkspur Rimplas
Anemone narcissiflora Narcissus Anemone In fruit, Col de la Lombarde, 2022
Hepatica nobilis Hepatica Noted in leaf at various sites
Pulsatilla alpina Alpine Pasque Flower In seed at Lombarde 2022
Clematis vitalba Traveller's Joy Widespread and locally common
Clematis recta Ground Clematis Sospel area
Ranunculus repens Creeping Buttercup La Bolline
Ranunculus acris Meadow Buttercup Scattered records
Ranunculus montanus Mountain Buttercup Common at higher altitudes, but all in fruit this year
Ranunculus villarsii a mountain buttercup Col de la Lombarde, in fruit this year. Endemic.
Ranunculus aconitifolius Aconite-leaved Buttercup Terme di Valdieri 2022
Ranunculus platanifolius a buttercup Tende woods, mostly in fruit
Aquilegia bertolonii a columbine Several at one site in Valdeblore
Thalictrum foetidum Foetid Meadow-rue Gorge della Reina 2022
Thalictrum minus Lesser Meadow-rue In leaf Moulinet

Berberidaceae

Berberis vulgaris Barberry Gorge della Reina

Coriariaceae

Coriaria myrtifolia Mediterranean Coriaria Tinee valley 2022

Papaveraceae

<i>Papaver dubium</i>	Long-headed Poppy	Day 4
<i>Papaver rhoeas</i>	Corn Poppy	Entracque
<i>Chelidonium majus</i>	Greater Celandine	La Bolline

Fumariaceae

<i>Fumaria vaillantii</i>	Few-flowered Fumitory	Entracque arable field 2022
---------------------------	-----------------------	-----------------------------

Ulmaceae

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

Cannabaceae

<i>Humulus lupulus</i>	Hop
------------------------	-----

Moraceae

<i>Ficus carica</i>	Fig
---------------------	-----

Urticaceae

<i>Urtica dioica</i>	Common Nettle
<i>Parietaria officinalis</i>	Common Pellitory
<i>Parietaria judaica</i>	Pellitory-of-the-Wall

Juglandaceae

<i>Juglans regia</i>	Walnut
----------------------	--------

Fagaceae

<i>Fagus sylvatica</i>	Beech
<i>Castanea sativa</i>	Sweet Chestnut
<i>Quercus rubra</i>	Red Oak
<i>Quercus ilex</i>	Holm Oak
<i>Quercus cerris</i>	Turkey Oak
<i>Quercus petraea</i>	Sessile Oak
<i>Quercus robur</i>	Common Oak
<i>Quercus pubescens</i>	Downy Oak

Betulaceae

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

Phytolaccaceae

Phytolacca americana Pokeberry Turin roadsides

Chenopodiaceae

Chenopodium bonus-henricus Good King Henry Numerous in eutrophied pasture at Gordolasque

Chenopodium album Fat-hen Entracque arable field

Amaranthaceae

Amaranthus retroflexus Common Amaranth Entracque arable field

Caryophyllaceae

Arenaria aggregata a sandwort Tende

Arenaria grandiflora Large-flowered Sandwort Tende

Arenaria cinerea a sandwort Many of this endemic species at one site in Torino Province, but out of known range!

Arenaria serpyllifolia Thyme-leaved Sandwort Entracque

Moehringia muscosa Mossy Sandwort Entracque 2022

Minuartia rostrata a sandwort Tende (France)

Minuartia villarii a sandwort Tende old tunnel entrance

Minuartia verna Spring Sandwort Scattered records

Minuartia capillacea a sandwort Above Col St.Martin, Gordolasque, Tende

Minuartia laricifolia a sandwort Local at mid altitudes, e.g. Sta.Anna

Stellaria nemorum Wood Stitchwort Gordolasque

Stellaria media Chickweed Scattered records

Stellaria alsine Bog Stitchwort Gordolasque 2023

Stellaria graminea Lesser Stitchwort Gordolasque

Cerastium arvense Field Mouse-ear Scattered records

Cerastium fontanum ssp. *vulgare* Common Mouse-ear Scattered records

Sagina glabra Lawn Pearlwort Val Sta.Anna and Tende

Sagina procumbens Procumbent Pearlwort Below Isola 2000

Scleranthus perennis Perennial Knawel Gordolasque

Spergularia rubra Sand Spurrey Val Sta.Anna and Tende

Silene flos-jovis Purple Lychnis Gordolasque, Val Sta Anna, Entracque, locally numerous

Silene italica Italian Catchfly Tende, Col St.Martin

Silene nutans Nottingham Catchfly Widespread

Silene cordifolia a catchfly Above Isola, in flower. Endemic.

Silene vulgaris Bladder Champion Widespread

Silene campanula a catchfly Tende upper rocks, several in fine flower

Silene saxifraga Tufted Catchfly Col St.Martin and Tende

Silene rupestris Rock Champion Scattered records, e.g. Gordolasque and Lombarde

Silene armeria Sweet-william Catchfly Lower Gordolasque and upper Entracque, new in 2023

Silene latifolia ssp. *alba* White Champion Widespread

Silene dioica Red Champion Scattered records

Gypsophila repens Creeping Gypsophila Gordolasque

<i>Saponaria ocymoides</i>	Rock Soapwort	Col St.Martin etc.
<i>Saponaria officinalis</i>	Soapwort	Roadsides, locally common
<i>Petrorhagia saxifraga</i>	Tunic Flower	Scattered records, e.g. Rimplas
<i>Petrorhagia prolifera</i>	Proliferous Pink	Below Col de Turini
<i>Dianthus carthusianorum</i>	Carthusian Pink	Sospel area and Tende
<i>Dianthus seguieri</i>	Seguier's Pink	Torino
<i>Dianthus pavonius</i>	Three-veined Pink	Locally very common
<i>Dianthus sylvestris</i>	Wood Pink	Widespread
<i>Dianthus subcaulis</i>	a pink	Tende
<i>Dianthus scaber</i>	a pink	Tende

Polygonaceae

<i>Polygonum aviculare</i>	Knot-grass	Scattered
<i>Polygonum persicaria</i>	Redshank	
<i>Polygonum bistorta</i>	Bistort	Lombarde, Gordolasque, and Tende, locally very common
<i>Polygonum viviparum</i>	Viviparous Bistort	Tende
<i>Polygonum alpinum</i>	Alpine Knotgrass	Lombarde and Gordolasque
<i>Rumex acetosella</i>	Sheep's Sorrel	Gordolasque
<i>Rumex scutatus</i>	French Sorrel	Widespread and common
<i>Rumex alpestris</i>	Mountain Dock	Col de la Lombarde and Gordolasque
<i>Rumex acetosa</i>	Common Sorrel	Scattered
<i>Rumex alpinus</i>	Monk's Rhubarb	Common in eutrophied alpine pasture
<i>Rumex crispus</i>	Curled Dock	Valdeblore

Plumbaginaceae

<i>Armeria alpina</i>	Mountain Thrift	Tende, Lombarde, Gordolasque
-----------------------	-----------------	------------------------------

Hypericaceae

<i>Hypericum coris</i>	Heath-leaved St.John's-wort	Above Col St.Martin, and Tende, in fine flower
<i>Hypericum montanum</i>	Pale St.John's-wort	Gordolasque, Lombarde, Entracque
<i>Hypericum richeri</i>	Alpine St.John's-wort	Scattered records, e.g. Tende, Sta. Anna, <i>Gordolasque</i>
<i>Hypericum xdesetangsii</i>	Des Etangs's St.John's-wort	Valdeblore (<i>H.maculatum</i> x <i>H.perforatum</i>).
<i>Hypericum perforatum</i>	Perforate St.John's-wort	Widespread

Tiliaceae

<i>Tilia platyphyllos</i>	Large-leaved Lime
<i>Tilia cordata</i>	Small-leaved Lime

Malvaceae

<i>Malva alcea</i>	Hollyhock Mallow	A form with nearly entire leaves in France
<i>Malva moschata</i>	Musk Mallow	Scattered, e.g. Gordolasque
<i>Malva sylvestris</i>	Common Mallow	Gordolasque
<i>Malva neglecta</i>	Dwarf Mallow	La Bolline
<i>Althaea cannabina</i>	a marsh mallow	La Bolline

Cistaceae

<i>Cistus albidus</i>		In leaf Luceram
<i>Helianthemum nummularium</i>	Common Rock-rose	Scattered records, various subspecies present
<i>Helianthemum apenninum</i>	White Rock-rose	Col St.Martin 2023
<i>Helianthemum italicum</i>	Italian Rock-rose	Col St.Martin
<i>Fumana procumbens</i>	Heath-rose	Col St.Martin 2022

Violaceae

<i>Viola palustris</i>	Bog Violet	Lombarde 2023
<i>Viola calcarata</i>	Long-spurred Pansy	Lombarde, including the yellow flowered <i>ssp.cavillieri</i>
<i>Viola tricolor</i>	Wild Pansy	Gordolasque etc.

Cucurbitaceae

<i>Bryonia dioica</i>	White Bryony	
-----------------------	--------------	--

Salicaceae

<i>Salix alba</i>	White Willow	
<i>Salix appendiculata</i>	Large-leaved Willow	
<i>Salix cinerea</i>	Grey Willow	
<i>Salix caprea</i>	Goat Willow	
<i>Salix viminalis</i>	Osier	
<i>Salix eleagnos</i>	Olive Willow	
<i>Salix purpurea</i>	Purple Willow	
<i>Populus alba</i>	White Poplar	
<i>Populus tremula</i>	Aspen	
<i>Populus nigra</i>	Black Poplar	

Brassicaceae

<i>Sisymbrium austriacum</i>	Austrian Rocket	Col St.Martin
<i>Sisymbrium officinale</i>	Hedge Mustard	Gordolasque
<i>Erysimum virgatum</i>	a treacle-mustard	French side of Col de la Lombarde
<i>Barbarea vulgaris</i>	Winter-cress	Scattered
<i>Rorippa sylvestris</i>	Creeping Yellow-cress	Entracque wet flush
<i>Cardamine heptaphylla</i>	Seven-leaflet Bittercress	In fruit at Tende
<i>Cardamine pentaphyllos</i>	Five-leaflet Bittercress	In fruit at Moulinet
<i>Cardamine asarifolia</i>	Asarum-leaved Bittercress	Val Sta.Anna bridge stop
<i>Arabis turrita</i>	Tower Cress	In fruit
<i>Arabis alpina</i>	Alpine Rock-cress	Tende, old tunnel entrance
<i>Turritis glabra</i>	Tower Mustard	Gordolasque
<i>Alyssum ligusticum</i>	an alyssum	In fruit along Tinee Valley. In flower in May. Endemic.
<i>Alyssum alyssoides</i>	Small Alison	Tende, by the fort
<i>Lobularia maritima</i>	Sweet Alison	Rimplas
<i>Kernera saxatilis</i>	Kernera	Lombarde and Tende
<i>Capsella bursa-pastoris</i>	Shepherd's-Purse	Entracque
<i>Iberis saxatilis</i>	Rock Candytuft	Entracque 2022

<i>Iberis umbellata</i>	Garden Candytuft	Col St.Martin, in fine flower, 2022
<i>Biscutella laevigata</i>	Buckler Mustard	Tende and Lombarde
<i>Coincya cheiranthos</i>	Wallflower Cabbage	Gordolasque
Resedaceae		
<i>Reseda lutea</i>	Wild Mignonette	Entracque
Ericaceae		
<i>Erica arborea</i>	Tree Heath	Sospel area
<i>Erica carnea</i>	Winter-flowering Heath	Day 4
<i>Calluna vulgaris</i>	Ling	Tende (France) etc.
<i>Rhododendron ferrugineum</i>	Alpenrose	Col de la Lombarde, Tende, Gordolasque, nearly all in fruit this year
<i>Arctostaphylos uva-ursi</i>	Bearberry	Above Col St.Martin, and Tende
<i>Vaccinium uliginosum</i>	Bog Whortleberry	Col de la Lombarde
<i>Vaccinium myrtillus</i>	Bilberry	Col de la Lombarde and Gordolasque
Pyrolaceae		
<i>Orthilia secunda</i>	Nodding Wintergreen	Valdeblore, in fruit
<i>Monotropa hypophegea</i>	a yellow bird's-nest	Fine at Turini, 2023. These plants were hairless and therefore belong to this species, if treated as a full species as in Flora Alpina.
Primulaceae		
<i>Primula veris</i>	Cowslip	Scattered records in fruit
<i>Primula latifolia</i>	Viscid Primrose	In fruit Gordolasque rocks
<i>Primula marginata</i>	Marginate Primrose	In fruit below Isola 2000, and Tende
<i>Lysimachia vulgaris</i>	Yellow Loosestrife	Torino
<i>Lysimachia nummularia</i>	Creeping-jenny	Torino
<i>Anagallis arvensis</i>	Scarlet Pimpernel	Blue flowered form, Sospel area
Crassulaceae		
<i>Sempervivum arachnoideum</i>	Cobweb Houseleek	Widespread, both ssp. <i>arachnoideum</i> and ssp. <i>tomentosum</i> locally common
<i>Sempervivum montanum</i>	Mountain Houseleek	Lombarde, Sta.Anna, Col St.Martin, and Gordolasque
<i>Sempervivum tectorum</i>	Common Houseleek	Tende, Col St.Martin, Gordolasque
<i>Jovibarba allionii</i>	a hen-and-chickens houseleek	In bud Gordolasque. Rosettes Sta.Anna. Endemic.
<i>Sedum telephium</i> ssp. <i>maximum</i>	Orpine	Rimplas
<i>Sedum anacampseros</i>	Reddish Stonecrop	Lombarde and Tende, in leaf
<i>Sedum anopetalum</i>	Creamish Stonecrop	Widespread and locally common
<i>Sedum montanum</i>	a stonecrop	Locally common
<i>Sedum acre</i>	Biting Stonecrop	
<i>Sedum alpestre</i>	a stonecrop	Lombarde
<i>Sedum sexangulare</i>	a stonecrop	Tende
<i>Sedum album</i>	White Stonecrop	Scattered records

<i>Sedum dasyphyllum</i>	Thick-leaved Stonecrop	Scattered records
<i>Sedum atratum</i> ssp. <i>atratum</i>	Dark Stonecrop	Tende
<i>Sedum annuum</i>	Annual Stonecrop	Gordolasque
Saxifragaceae		
<i>Saxifraga stellaris</i>	Starry Saxifrage	In flower at Lombarde
<i>Saxifraga rotundifolia</i>	Round-leaved Saxifrage	Tende old tunnel entrance
<i>Saxifraga cuneifolia</i>	Lesser London Pride	La Bolline, Entracque, Gordolasque, Moulinet
<i>Saxifraga caesia</i>	Grey Saxifrage	In superb flower at Tende
<i>Saxifraga callosa</i>	Thick-leaved Saxifrage	Many in superb flower at Tende, where numerous
<i>Saxifraga paniculata</i>	Paniculate Saxifrage	Widespread
<i>Saxifraga florulenta</i>	The Ancient King	9 rosettes on boulders at Trecolpas lake 2011. 2012 several small rosettes at Trecolpas. In 2009, several rosettes on boulders between Isola and Isola 2000, with ONE IN FLOWER. This was the very rare form with white flowers. No sign of rosettes at that site in 2010, 2011, 2012, or 2013. 2022, one rosette at this Isola site. 2023, one rosette at the Isola site.
<i>Saxifraga aizoides</i>	Yellow Mountain Saxifrage	Gordolasque, Lombarde, Tende
<i>Saxifraga exarata</i>	Musky Saxifrage	Tende (France), in fruit, 2022
<i>Parnassia palustris</i>	Grass of Parnassus	Lombarde, and at Tende in unusually dry habitat
<i>Ribes uva-crispa</i>	Gooseberry	Valdeblore
<i>Ribes alpinum</i>	Mountain Currant	Gordolasque
Rosaceae		
<i>Aruncus dioicus</i>	Goat's-beard Spiraea	Moulinet, Sta.Anna, Gordolasque
<i>Filipendula vulgaris</i>	Dropwort	Torino
<i>Filipendula ulmaria</i>	Meadowsweet	Scattered records
<i>Rubus fruticosus</i> agg.	brambles	Widespread
<i>Rubus saxatilis</i>	Stone Bramble	Scattered records
<i>Rubus idaeus</i>	Raspberry	Widespread
<i>Rubus caesius</i>	Dewberry	Gorge della Reina
<i>Rosa arvensis</i>	Field Rose	Valdeblore etc.
<i>Rosa glauca</i>	Glaucous Dog Rose	Tende and Sta.Anna
<i>Rosa pendulina</i>	Alpine Rose	Sta.Anna
<i>Rosa montana</i>	Mountain Rose	Above Col St.Martin etc.
<i>Rosa canina</i>	Dog Rose	
<i>Rosa villosa</i>	Downy Rose	La Bolline
<i>Rosa agrestis</i>	Small-leaved Sweet-briar	
<i>Rosa</i> spp.	roses	Several unidentified
<i>Agrimonia eupatoria</i>	Agrimony	Scattered
<i>Sanguisorba officinalis</i>	Great Burnet	Entracque and Torino
<i>Sanguisorba minor</i>	Salad Burnet	Col St.Martin and Day 4
<i>Dryas octopetala</i>	Mountain Avens	Common in fruit at Tende

<i>Geum montanum</i>	Alpine Avens	Lombarde and Tende
<i>Geum rivale</i>	Water Avens	Scattered records
<i>Geum urbanum</i>	Herb Bennet	Scattered records
<i>Potentilla argentea</i>	Hoary Cinquefoil	Locally common
<i>Potentilla recta</i>	Sulphur Cinquefoil	La Bolline and Rimplas
<i>Potentilla grandiflora</i>	Large-flowered Cinquefoil	Locally common, e.g. Sta. Anna, Tende, Gordolasque
<i>Potentilla aurea</i>	Golden Cinquefoil	Scattered on acidic substrate, e.g. Gordolasque
<i>Potentilla erecta</i>	Tormentil	Scattered
<i>Potentilla reptans</i>	Creeping Cinquefoil	Rimplas
<i>Potentilla caulescens</i>		In bud at Tende
<i>Potentilla valderia</i>	a cinquefoil	Locally common at higher altitudes, Gordolasque, Sta. Anna, and Tende. Endemic.
<i>Potentilla alba</i>	White Cinquefoil	In leaf Torino
<i>Fragaria vesca</i>	Wild Strawberry	Scattered
<i>Fragaria moschata</i>	Hautbois Strawberry	Gordolasque
<i>Fragaria viridis</i>	Green Strawberry	Scattered
<i>Alchemilla alpina</i>	Alpine Lady's Mantle	Locally common at higher altitudes
<i>Alchemilla conjuncta</i>	Silver Lady's Mantle	Scattered records
<i>Alchemilla xanthochlora</i>	Intermediate Lady's Mantle	Col de la Lombarde and probably elsewhere
<i>Alchemilla glabra</i>	Smooth Lady's Mantle	Gordolasque etc.
<i>Alchemilla</i> spp.	lady's mantles	Other species not identified. Flora Alpina treats the genus conservatively, whereas the recent Flora d'Italia includes 97 species.
<i>Malus sylvestris</i>	Wild Apple	Valdeblore etc.
<i>Sorbus aucuparia</i>	Rowan	Common
<i>Sorbus aria</i>	Whitebeam	Widespread
<i>Amelanchier ovalis</i>	Snowy Mespilus	Local in fruit, e.g. Entracque
<i>Cotoneaster integerrimus</i>	Wild Cotoneaster	Tende
<i>Cotoneaster tomentosus</i>	Brickberry Cotoneaster	Entracque
<i>Crataegus monogyna</i>	Hawthorn	Scattered records
<i>Prunus brigantina</i>	Briancon Apricot	Gordolasque lunch site
<i>Prunus cerasifera</i>	Cherry Plum	Cuneo en route to Nice
<i>Prunus spinosa</i>	Blackthorn	Entracque
<i>Prunus avium</i>	Wild Cherry	Widespread
<i>Prunus mahaleb</i>	St. Lucie's Cherry	Rimplas and Entracque
Fabaceae		
<i>Laburnum anagyroides</i>	Laburnum	Widespread
<i>Laburnum alpinum</i>	Alpine Laburnum	Widespread
<i>Cytisophyllum sessilifolium</i>	a broom	Valdeblore in fruit
<i>Genista tinctoria</i>	Dyer's Greenwood	Scattered, e.g. Gordolasque
<i>Genista cinerea</i>	Ash-coloured Broom	Numerous at Col St. Martin, also Day 4
<i>Genista pulchella</i>	a broom	Above Col St. Martin
<i>Genista sagittalis</i>	Winged Broom	A few records (<i>Chamaespartium sagittale</i>). Not seen 2023.

<i>Spartium junceum</i>	Spanish Broom	Roadsides lower down
<i>Robinia pseudacacia</i>	False Acacia	Locally commonly naturalised, e.g. Tinee and Roya Valleys
<i>Astragalus hypoglottis</i> <i>ssp.hypoglottis</i>	Purple Milk-vetch	In fine flower below Isola 2000
<i>Astragalus glycyphyllos</i>	Wild Liquorice	Valdeblore, Tende, Entracque, etc.
<i>Astragalus monspessulanus</i>	False Vetch	In fruit at Tende, 2022
<i>Bituminaria bituminosa</i>	Pitch Trefoil	Below Turini
<i>Vicia cracca</i>	Tufted Vetch	Widespread
<i>Vicia sativa</i>	Common Vetch	
<i>Lathyrus vernus</i>	Spring Pea	In late flower at Turini
<i>Lathyrus niger</i>	Black Pea	In leaf Tende forest
<i>Lathyrus pratensis</i>	Meadow Vetchling	Scattered records
<i>Lathyrus sylvestris</i>	Narrow-leaved Everlasting Pea	Widespread
<i>Lathyrus latifolius</i>	Broad-leaved Everlasting Pea	Roadsides
<i>Ononis natrix</i>	Large Yellow Restharrow	Col St.Martin and Rimplas
<i>Ononis minutissima</i>	a restharrow	Above Col St.Martin, and west of Sospel
<i>Ononis striata</i>	Yellow Restharrow	Above Col St.Martin
<i>Ononis spinosa</i>	Spiny Restharrow	Valdeblore etc.
<i>Ononis repens</i>	Common Restharrow	Moulinet
<i>Melilotus albus</i>	White Melilot	Widespread
<i>Melilotus officinalis</i>	Ribbed Melilot	Valdeblore etc.
<i>Medicago lupulina</i>	Black Medick	Scattered
<i>Medicago sativa</i>	Lucerne	Scattered
<i>Medicago falcata</i>	Sickle Medick	Sospel area
<i>Trifolium alpinum</i>	Alpine Clover	Locally common at higher altitudes, in fruit this year
<i>Trifolium montanum</i> <i>ssp.montanum</i> <i>ssp.rupestre</i>	Mountain Clover	Lombarde Gordolasque
<i>Trifolium repens</i>	White Clover	Widespread
<i>Trifolium pallescens</i>	Pale Clover	Scattered records
<i>Trifolium badium</i>	Brown Clover	Lombarde, Tende
<i>Trifolium aureum</i>	Large Hop Trefoil	Gordolasque
<i>Trifolium campestre</i>	Hop Trefoil	Valdeblore
<i>Trifolium pratense</i>	Red Clover	Widespread
<i>Trifolium medium</i>	Zigzag Clover	Tende
<i>Trifolium alpestre</i>	Alpine Trefoil	Gordolasque
<i>Trifolium rubens</i>	Long-spiked Trefoil	Roadsides
<i>Trifolium ochroleucon</i>	Sulphur Clover	Scattered records
<i>Dorycnium pentaphyllum</i>	a canary clover	Rimplas and Day 4
<i>Lotus corniculatus</i>	Bird's-foot Trefoil	Widespread
<i>Lotus alpinus</i>	Alpine Bird's-foot Trefoil	Higher altitudes
<i>Anthyllis montana</i>	Mountain Kidney Vetch	Above Col St.Martin, in fruit
<i>Anthyllis vulneraria</i>	Kidney Vetch	Widespread, several subspecies present
<i>Coronilla minima</i>		Above Col St.Martin
<i>Securigera varia</i>	Crown Vetch	Widespread and locally numerous
<i>Hippocrepis emerus</i>	Scorpion Senna	Valdeblore

<i>Hippocrepis comosa</i>	Horseshoe Vetch	Valdeblore
<i>Onobrychis supina</i>	a sainfoin	Tende
<i>Onobrychis montana</i>	Mountain Sainfoin	
<i>Onobrychis viciifolia</i>	Sainfoin	Tende and Valdeblore
Lythraceae		
<i>Lythrum salicaria</i>	Purple Loosestrife	Roadsides at lower altitudes
Thymeleaceae		
<i>Daphne mezereum</i>	Mezereon	In fruit upper Val Sta. Anna, 2022
<i>Daphne laureola</i>	Spurge Laurel	In fruit at Moulinet
Onagraceae		
<i>Circaea lutetiana</i>	Enchanter's Nightshade	Entracque
<i>Oenothera biennis</i>	Common Evening Primrose	Gordolasque
<i>Epilobium angustifolium</i>	Rosebay Willowherb	Widespread and abundant
<i>Epilobium dodonaei</i>	a willowherb	Entracque
<i>Epilobium fleischeri</i>	Alpine Willowherb	
<i>Epilobium hirsutum</i>	Great Willowherb	Piemonte lower roadsides
<i>Epilobium montanum</i>	Broad-leaved Willowherb	Tende
<i>Epilobium collinum</i>	a willowherb	Scattered records
<i>Epilobium palustre</i>	Marsh Willowherb	Gordolasque wet flushes
<i>Epilobium alsinifolium</i>	Chickweed Willowherb	Gordolasque wet flushes
Cornaceae		
<i>Cornus sanguinea</i>	Dogwood	
Santalaceae		
<i>Thesium divaricatum</i>	Branched Bastard Toadflax	Valdeblore
<i>Thesium alpinum</i>	Alpine Bastard Toadflax	Lombarde
Loranthaceae		
<i>Viscum album</i> ssp. <i>austriacum</i>	Mistletoe	Parasitic on <i>Pinus</i> , e.g. Valdeblore
Celastraceae		
<i>Euonymus europaeus</i>	Spindle	
Buxaceae		
<i>Buxus sempervirens</i>	Box	Rimplas etc.
Euphorbiaceae		
<i>Mercurialis perennis</i>	Dog's Mercury	Scattered records
<i>Euphorbia maculata</i>	Spotted Spurge	Torino, pavement weed
<i>Euphorbia dulcis</i>	Sweet Spurge	Moulinet and Tende
<i>Euphorbia verrucosa</i>	a spurge	Torino
<i>Euphorbia spinosa</i>	Spiny Spurge	Rimplas

<i>Euphorbia taurinensis</i>	Turin Spurge	
<i>Euphorbia vallisiana</i>	Vallino Spurge	Valdeblore. Endemic.
<i>Euphorbia characias</i>	Large Mediterranean Spurge	Below Turini
Rhamnaceae		
<i>Rhamnus alaternus</i>	Mediterranean Buckthorn	Rimplas
<i>Rhamnus saxatilis</i>	Rock Buckthorn	Tende (France)
<i>Rhamnus cathartica</i>	Buckthorn	
<i>Rhamnus alpina</i>	Alpine Buckthorn	Above Col St.Martin, Tende
<i>Frangula alnus</i>	Alder Buckthorn	Entracque
Linaceae		
<i>Linum austriacum</i> ssp. <i>collinum</i>	a flax	Sospel
<i>Linum trigynum</i>	a flax	Luceram
<i>Linum tenuifolium</i>	a flax	Valdeblore and Tende
<i>Linum suffruticosum</i> ssp. <i>appressum</i>	a flax	Numerous Valdeblore, and Tende
<i>Linum catharticum</i>	Purging Flax	Scattered records
Polygalaceae		
<i>Polygala nicaeensis</i>	Nice Milkwort	Tende and Entracque
<i>Polygala vulgaris</i>	Common Milkwort	Gordolasque
Hippocastanaceae		
<i>Aesculus hippocastanum</i>	Horse Chestnut	
Aceraceae		
<i>Acer platanoides</i>	Norway Maple	
<i>Acer campestre</i>	Field Maple	
<i>Acer pseudoplatanus</i>	Sycamore	
<i>Acer opalus</i>	Italian Maple	Col de Turini
Anacardiaceae		
<i>Cotinus coggyria</i>	Smoke Tree	Widespread and locally common
Simaroubaceae		
<i>Ailanthus altissima</i>	Tree of Heaven	Commonly naturalised in lower valleys
Oxalidaceae		
<i>Oxalis acetosella</i>	Wood Sorrel	In leaf at Moulinet
Geraniaceae		
<i>Geranium macrorrhizum</i>	Rock Crane's-bill	Gordolasque and Tende
<i>Geranium sanguineum</i>	Bloody Cranesbill	Gordolasque and Turini
<i>Geranium sylvaticum</i>	Wood Cranesbill	Scattered records
<i>Geranium nodosum</i>	Knotted Cranesbill	Scattered records
<i>Geranium pyrenaicum</i>	Hedgerow Cranesbill	Scattered records

<i>Geranium columbinum</i>	Long-stalked Cranesbill	Turini
<i>Geranium dissectum</i>	Cut-leaved Cranesbill	Turini 2022
<i>Geranium robertianum</i>	Herb Robert	Valdeblore etc.

Araliaceae

<i>Hedera helix</i>	Ivy	
---------------------	-----	--

Apiaceae

<i>Sanicula europaea</i>	Sanicle	Moulinet Forest
<i>Astrantia major</i>	Greater Masterwort	Scattered records
<i>Astrantia minor</i>	Lesser Masterwort	Scattered records at higher acidic sites
<i>Eryngium campestre</i>	Field Eryngo	Rimplas and Luceram
<i>Chaerophyllum hirsutum</i>	Hairy Chervil	Tende
<i>Chaerophyllum villarsii</i>	a chervil	Scattered records
<i>Chaerophyllum aureum</i>	Golden Chervil	Valdeblore
<i>Chaerophyllum temulum</i>	Rough Chervil	
<i>Anthriscus sylvestris</i>	Cow Parsley	
<i>Myrrhis odorata</i>	Sweet Cicely	Tende
<i>Molopospermum peloponnesiacum</i>	Molopospermum	Rimplas
<i>Pimpinella tragiium</i>	a burnet-saxifrage	Valdeblore
<i>Pimpinella major</i>	Greater Burnet-saxifrage	Scattered, e.g. Gordolasque
<i>Pimpinella saxifraga</i>	Burnet-saxifrage	Scattered records
<i>Aegopodium podagraria</i>	Ground Elder	Gordolasque
<i>Seseli libanotis</i>	Moon Carrot	Gordolasque
<i>Seseli galloprovinciale</i>	a moon carrot	Scattered records
<i>Seseli annuum</i>	a moon carrot	
<i>Foeniculum vulgare</i>	Fennel	Rimplas
<i>Trochiscanthes nodiflora</i>	Trochiscanthes	Tende, several, forest edge, Lombarde, and Moulinet
<i>Meum athamanticum</i>	Spignel	Local at higher altitudes, common at Tende
<i>Bupleurum praealtum</i>	a hare's-ear	St.Martin, La Bolline, etc.
<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	Locally very common at Tende
<i>Buplerum falcatum ssp.cernuum</i>	Sickle-leaved Hare's-ear	Col de Turini
<i>Bupleurum fruticosum</i>	Shrubby Hare's-ear	Roadsides north of Nice
<i>Trinia glauca</i>	Honewort	Tende
<i>Sison amomum</i>	Stone Parsley	Above Col St.Martin
<i>Carum carvi</i>	Caraway	Scattered records
<i>Angelica sylvestris</i>	Wild Angelica	Local by watercourses. In fine flower upper Entracque.
<i>Peucedanum cervaria</i>	Broad-leaved Spignel	Torino
<i>Peucedanum ostruthium</i>	Masterwort	Locally common, e.g. Gordolasque
<i>Pastinaca sativa</i>	Wild Parsnip	Roadsides
<i>Heracleum sphondylium</i>	Hogweed	Widespread and common

<i>Laserpitium siler</i>	a sermountain	Valdeblore, Tende
<i>Laserpitium latifolium</i>	Broad-leaved Sermountain	Scattered records, e.g. Gordolasque
<i>Laserpitium gallicum</i>	a sermountain	Scattered records, e.g. above Col St.Martin
<i>Torilis japonica</i>	Upright Hedge-parsley	
<i>Orlaya grandiflora</i>	Orlaya	Valdeblore etc.
<i>Daucus carota</i>	Wild Carrot	Widespread

Gentianaceae

<i>Centaureum erythraea</i>	Common Centaury	Luceram
<i>Gentiana lutea</i>	Yellow Gentian	Gordolasque and Tende (France), 2022
<i>Gentiana villarsii</i>	a gentian	In leaf at Col de Lombarde. Endemic.
<i>Gentiana asclepiadea</i>	Willow Gentian	In leaf below Isola 2000
<i>Gentiana cruciata</i>	Cross Gentian	Locally common in flower, Tende, Entracque, etc.
<i>Gentiana ligustica</i>	a trumpet gentian	Col St.Martin, in fruit
<i>Gentiana acaulis</i>	Trumpet Gentian	Over at Col de la Lombarde
<i>Gentiana rostanii</i>	a gentian	Col de la Lombarde, in flower. Endemic.
<i>Gentiana campestris</i>	Field Gentian	Between Tende and Casterino

Asclepiadaceae

<i>Vincetoxicum hirundinaria</i>	Swallowwort	Widespread
----------------------------------	-------------	------------

Solanaceae

<i>Atropa bella-donna</i>	Deadly Nightshade	Some very large plants at Col de Turini
---------------------------	-------------------	---

Convolvulaceae

<i>Cuscuta europaea</i>	Greater Dodder	Gordolasque
<i>Cuscuta epithymum</i>	Dodder	Val Sta.Anna
<i>Calystegia sepium</i>	Hedge Bindweed	
<i>Convolvulus cantabrica</i>	a bindweed	Below Turini
<i>Convolvulus arvensis</i>	Field Bindweed	Scattered records

Boraginaceae

<i>Echium vulgare</i>	Viper's Bugloss	Widespread
<i>Pulmonaria picta</i>	a lungwort	Scattered in leaf
<i>Myosotis arvensis</i>	Field Forget-me-not	Scattered records
<i>Myosotis sylvatica</i>	Wood Forget-me-not	Scattered records
<i>Myosotis scorpioides</i>	Water Forget-me-not	Gordolasque and Sta.Anna
<i>Cynoglossum officinale</i>	Hound's-tongue	Sta.Anna and Tende, 2022

Verbenaceae

<i>Verbena officinalis</i>	Vervain	Luceram
----------------------------	---------	---------

Lamiaceae

<i>Ajuga genevensis</i>	Geneva Bugle	Entracque
<i>Ajuga chamaepitys</i>	Ground Pine	Lunch site near Sospel
<i>Teucrium scorodonia</i>	Wood-sage	Scattered records, locally common

<i>Teucrium chamaedrys</i>	Wall Germander	Valdeblore etc.
<i>Teucrium lucidum</i>	a germander	Locally common, e.g. Valdeblore and Tende. Endemic.
<i>Teucrium montanum</i>	Mountain Germander	Col St.Martin, Tende, and Entracque
<i>Scutellaria alpina</i>	Alpine Skullcap	Tende (F)
<i>Galeopsis ladanum</i>	Broad-leaved Hemp-nettle	Scattered records, e.g. Gordolasque
<i>Galeopsis pubescens</i>	Downy Hemp-nettle	Tende
<i>Galeopsis tetrahit</i>	Common Hemp-nettle	
<i>Lamium garganicum</i>	Gargano Dead-nettle	Gordolasque, Sta.Anna
<i>Lamium maculatum</i>	Spotted Dead-nettle	Scattered records
<i>Lamium galeobdolon ssp.flavidum</i>	Yellow Archangel	
<i>Ballota nigra</i>	Black Horehound	Scattered records
<i>Stachys pradica</i>	a betony	Lombarde, Tende, Gordolasque
<i>Stachys officinalis</i>	Betony	Scattered records
<i>Stachys heraclea</i>	a woundwort	Luceram, new in 2023
<i>Stachys sylvatica</i>	Hedge Woundwort	Tende and Moulinet Forest etc.
<i>Stachys recta</i>	Yellow Woundwort	Scattered, e.g. Tende, La Bolline
<i>Nepeta nepetella</i>	Small Catmint	Locally numerous at Tende
<i>Prunella laciniata</i>	Cut-leaved Self-heal	Moulinet, La Bolline, Entracque
<i>Prunella grandiflora</i>	Large Self-heal	Widespread, e.g. Gordolasque and Valdeblore
<i>Prunella vulgaris</i>	Self-heal	Widespread
<i>Satureja montana ssp.montana</i>	Winter Savory	Gorge della Reina, Entracque, new in 2023
<i>Acinos alpinus</i>	Alpine Calamint	Valdeblore, Gordolasque etc.
<i>Acinos arvensis</i>	Basil Thyme	Scattered records
<i>Calamintha grandiflora</i>	Greater Calamint	Tende (Italy), Moulinet, locally numerous upper Entracque
<i>Calamintha nepeta</i>	Lesser Calamint	Valdeblore etc.
<i>Clinopodium vulgare</i>	Wild Basil	Scattered records
<i>Micromeria marginata</i>	a micromeria	Locally very common by Tende old tunnel entrance, and upper Tende rocks. Endemic.
<i>Origanum vulgare</i>	Marjoram	Scattered records
<i>Thymus vulgaris</i>	Common Thyme	Widespread in leaf and flower
<i>Thymus praecox</i>	Hairy Thyme	Common and widespread
<i>Thymus pulegioides</i>	Larger Wild Thyme	Common and widespread
<i>Lycopus europaeus ssp.europaeus</i>	Gypsywort	
<i>Mentha arvensis</i>	Corn Mint	Torino
<i>Mentha longifolia</i>	Horse Mint	Locally common, e.g. Gordolasque and Tende
<i>Lavandula angustifolia</i>	Common Lavender	Widespread and common
<i>Salvia glutinosa</i>	Sticky Clary	Gordolasque, Moulinet, and Tende
<i>Salvia pratensis</i>	Meadow Clary	Widespread
Plantaginaceae		
<i>Plantago major</i>	Greater Plantain	Scattered records, both ssp. <i>major</i> and <i>intermedia</i>
<i>Plantago maritima ssp.serpentina</i>	Fleshy Plantain	Scattered records, e.g. Valdeblore
<i>Plantago alpina</i>	Alpine Plantain	Higher altitudes, e.g. Col de la Lombarde
<i>Plantago media</i>	Hoary Plantain	Widespread in meadows

<i>Plantago atrata</i>	Mountain Plantain	Tende (France)
<i>Plantago lanceolata</i>	Ribwort Plantain	Scattered records
<i>Plantago sempervirens</i>	Shrubby Plantain	Valdeblore and Luceram

Buddlejaceae

<i>Buddleja davidii</i>	Buddleia	Widely naturalised on river gravels
-------------------------	----------	-------------------------------------

Oleaceae

<i>Fraxinus ornus</i>	Manna-ash
<i>Fraxinus excelsior</i>	Ash
<i>Ligustrum vulgare</i>	Privet
<i>Olea europaea</i>	Olive

Scrophulariaceae

<i>Verbascum virgatum</i>	Twiggy Mullein
<i>Verbascum phlomoides</i>	Orange Mullein
<i>Verbascum thapsus</i>	Aaron's Rod
<i>Verbascum pulverulentum</i>	Hoary 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	Tende, Moulinet, Sta. Anna, etc.
<i>Scrophularia canina</i>	French Figwort	Valdeblore
<i>Scrophularia juratensis</i>	a figwort	
<i>Antirrhinum latifolium</i>	Snapdragon	Widespread in France and Italy
<i>Chaenorhinum minus</i>	Small Toadflax	La Bolline, Limone 1400
<i>Linaria repens</i>	Pale Toadflax	Valdeblore
<i>Linaria angustissima</i>	a toadflax	Tende (France), locally common
<i>Linaria supina</i>	Prostrate Toadflax	Tende
<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax	La Bolline
<i>Digitalis grandiflora</i>	Large Yellow Foxglove	Widespread and locally common
<i>Digitalis lutea</i>	Small Yellow Foxglove	Scattered records, locally common
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	Scattered records
<i>Veronica fruticans</i>	Rock Speedwell	Val Sta. Anna, Gordolasque, etc.
<i>Veronica fruticulosa</i>	a speedwell	Tende
<i>Veronica urticifolia</i>	Nettle-leaved Speedwell	Tende woods
<i>Veronica officinalis</i>	Heath Speedwell	Scattered forest records
<i>Veronica allionii</i>	a speedwell	Lombarde, Sta. Anna, and Tende. Endemic.
<i>Veronica chamaedrys</i>	Germander Speedwell	Gordolasque etc.
<i>Veronica beccabunga</i>	Brooklime	Scattered in wet habitats, e.g. Gordolasque
<i>Veronica anagallis-aquatica</i>	Blue Water-speedwell	Gordolasque
<i>Veronica persica</i>	Common Field-speedwell	Scattered
<i>Pseudolysimachion spicatum</i>	Spiked Speedwell	Several at one site near Torino
<i>Melampyrum velebaticum</i>	a cow-wheat	Valdeblore and Moulinet Forest
<i>Melampyrum sylvaticum</i>	Small Cow-wheat	Forests
<i>Euphrasia rostkoviana</i>	Common Eyebright	Gordolasque

<i>Euphrasia alpina</i>	Alpine Eyebright	Gordolasque
<i>Euphrasia salisburgensis</i>	Irish Eyebright	Tende (I). These plants closely resembled the distinctive species <i>Euphrasia cuspidata</i> , with narrow cuspidate leaves, but far from the range of that species. Flora d'Italia has not helped to resolve the mystery!
<i>Euphrasia</i> spp.	Eyebrights	Several others not identified
<i>Bartsia alpina</i>	Alpine Bartsia	Lombarde and Tende
<i>Pedicularis tuberosa</i>	a lousewort	Lombarde
<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.
<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 ovifugus</i>	a yellow rattle	Scattered records
<i>Rhinanthus alectrolophus</i>	Greater Yellow Rattle	Widespread

Globulariaceae

<i>Globularia cordifolia</i>	Heart-leaved Globularia	In flower Col St.Martin
<i>Globularia repens</i>	a globularia	In flower Tende

Orobanchaceae

N.B. Unusually no broomrapes were seen in 2022, other than a few dead spikes. In 2023 we saw a few, and those annotated below were seen this year. Others listed here have been seen on the tour in the past on similar dates.

<i>Orobanche purpurea</i>	Yarrow Broomrape	
<i>Orobanche alba</i>	Thyme Broomrape	Val Sta.Anna
<i>Orobanche amethystea</i>	Amethyst Broomrape	Many on <i>Eryngium campestre</i> in France, mostly over
<i>Orobanche minor</i>	Common Broomrape	
<i>Orobanche hederæ</i>	Ivy Broomrape	Rimplas
<i>Orobanche caryophyllacea</i>	Bedstraw Broomrape	
<i>Orobanche teucrii</i>	Germander Broomrape	
<i>Orobanche salviae</i>	a broomrape	
<i>Orobanche rapum-genistae</i>	Greater Broomrape	

Lentibulariaceae

<i>Pinguicula vulgaris</i>	Common Butterwort	Col de la Lombarde
----------------------------	-------------------	--------------------

Campanulaceae

<i>Campanula rapunculoides</i>	Rampion Bellflower	Valdeblore, Gordolasque, Moulinet
<i>Campanula persicifolia</i>	Peach-leaved Bellflower	Scattered records
<i>Campanula medium</i>	Canterbury Bells	Scattered records, e.g. Moulinet
<i>Campanula glomerata</i>	Clustered Bellflower	Scattered records
<i>Campanula spicata</i>	Spiked Bellflower	Locally common, e.g. Gordolasque and Sta.Anna, where especially fine

<i>Campanula trachelium</i>	Nettle-leaved Bellflower	Valdeblore, Gordolasque, etc.
<i>Campanula rapunculoides</i>	Creeping Bellflower	Valdeblore, Gordolasque, etc.
<i>Campanula bononiensis</i>	a bellflower	Entracque 2022
<i>Campanula fritschii</i>	a bellflower	
<i>Campanula bertolae</i>	a bellflower	Torino. Endemic.
<i>Campanula cochlearifolia</i>	Fairy's Thimble	Tende
<i>Campanula stenocodon</i>	Cottian Bellflower	Tende. Endemic.
<i>Campanula scheuchzeri</i>	a bellflower	Scattered records, e.g. Gordolasque
<i>Campanula rotundifolia</i>	Harebell	Widespread and common
<i>Phyteuma michelii</i>	a spiked rampion	Val Sta. Anna, Tende (F). Endemic.
<i>Phyteuma betonicifolium</i>	Betony-leaved Rampion	Locally very common, e.g. Val Sta. Anna
<i>Phyteuma orbiculare</i>	Round-headed Rampion	Gordolasque etc.
<i>Phyteuma globulariifolium</i>		Lombarde rocks
<i>ssp. pedemontanum</i>		
<i>Jasione montana</i>	Mountain Sheepsbit	Lower Gordolasque

Rubiaceae

<i>Asperula aristata</i>	a squinancywort	A few records
<i>Asperula cynanchica</i>	Squinancywort	A few records
<i>Asperula purpurea</i>	a woodruff	Rimplas etc.
<i>Galium verum</i>	Lady's Bedstraw	Widespread
<i>Galium xpomeranicum</i>		Gordolasque. <i>Galium album x verum</i> .
<i>Galium mollugo</i>	Hedge Bedstraw	Scattered records
<i>Galium album</i>	Upright Hedge-bedstraw	Scattered records
<i>Galium laevigatum</i>	a bedstraw	In flower in Tende woodland
<i>Galium obliquum</i>	a bedstraw	Col St. Martin etc.
<i>Galium rubrum</i>	a bedstraw	Tende
<i>Galium pumilum</i>	Slender Bedstraw	Scattered records
<i>Galium tendae</i>	a bedstraw	Gordolasque. Endemic.
<i>Galium aparine</i>	Cleavers	Scattered records
<i>Cruciata laevipes</i>	Crosswort	Tende (France)
<i>Cruciata glabra</i>	a crosswort	Gordolasque
<i>Cruciata pedemontana</i>	a crosswort	Col de Turini
<i>Rubia peregrina</i>	Wild Madder	Sospel area

Caprifoliaceae

<i>Sambucus ebulus</i>	Dwarf Elder	In flower Sospel and Entracque
<i>Sambucus nigra</i>	Elder	
<i>Sambucus racemosa</i>	Red-berried Elder	Locally in fruit, e.g. Gordolasque, Sta. Anna, Entracque
<i>Viburnum opulus</i>	Guelder Rose	In fruit
<i>Lonicera xylostereum</i>	Fly Honeysuckle	In fruit, e.g. Entracque
<i>Lonicera japonica</i>	Japanese Honeysuckle	Naturalised near Torino
<i>Lonicera etrusca</i>	Etruscan Honeysuckle	Rimplas

Valerianaceae

<i>Valeriana officinalis</i>	Common Valerian	Locally in fruit
------------------------------	-----------------	------------------

<i>Valeriana tripteris</i>	Three-leaved Valerian	Gordolasque
<i>Valeriana montana</i>	Mountain Valerian	Locally in fruit
<i>Centranthus ruber</i>	Red Valerian	Widespread, especially Valdeblore

Dipsacaceae

<i>Cephalaria leucantha</i>	a cephalaria	Rimplas, Sospel area, and lower roadsides
<i>Dipsacus fullonum</i>	Teasel	Scattered records
<i>Knautia arvensis</i>	Field Scabious	Widespread
<i>Knautia integrifolia</i>	a scabious	Scattered records
<i>Scabiosa triandra</i>	a scabious	Local
<i>Scabiosa columbaria</i>	Small Scabious	Scattered records
<i>Scabiosa vestita</i>	a scabious	Widespread and locally common, e.g. Col St.Martin and Valdeblore

Asteraceae

<i>Eupatorium cannabinum</i>	Hemp Agrimony	Val Sta.Anna etc.
<i>Solidago virgaurea</i>	Goldenrod	Gordolasque and Lombarde
<i>Solidago canadensis</i>	Canadian Goldenrod	Torino
<i>Solidago gigantea</i>	Early Goldenrod	Torino
<i>Aster alpinus</i>	Alpine Aster	Gordolasque, Lombarde, Tende
<i>Aster bellidiastrum</i>	Daisy Star	Tende, old tunnel mouth, and Lombarde
<i>Erigeron annuus</i>	Tall Fleabane	Locally common
<i>Erigeron karvinskianus</i>	Mexican Fleabane	Walls, e.g. Belvedere
<i>Erigeron acer</i>	Blue Fleabane	Val Sta.Anna
<i>Erigeron atticus</i>	Greek Fleabane	Below Isola 2000
<i>Erigeron gaudinii</i>	a fleabane	Below Isola 2000
<i>Erigeron alpinus</i>	Alpine Fleabane	Gordolasque
<i>Conyza canadensis</i>	Canadian Fleabane	
<i>Micropus erectus</i>		
<i>Gnaphalium sylvaticum</i>	Heath Cudweed	Entracque, 2023
<i>Gnaphalium norvegicum</i>	Highland Cudweed	Tende, 2023
<i>Helichrysum stoechas</i>	Shrubby Everlasting	In flower below Turini
<i>Antennaria dioica</i>	Cat's Foot	Local at higher altitudes
<i>Inula spiraeifolia</i>	an inula	Rimplas, new in 2023
<i>Inula montana</i>	Mountain Inula	Luceram
<i>Inula conyzae</i>	Ploughman's Spikenard	Rimplas in the past
<i>Bupthalmum salicifolium</i>	Yellow Ox-eye	Scattered records
<i>Xanthium spinosum</i>	Spiny Cocklebur	Luceram, new in 2023
<i>Galinsoga ciliata</i>	Shaggy Soldier	
<i>Santolina chamaecyparissus</i>	Lavender-cotton	Upper Entracque, but atypical plants
<i>Anthemis tinctoria</i>	Yellow Chamomile	Luceram
<i>Achillea erba-rotta</i> ssp. <i>erba-rotta</i>	Simple-leaved Milfoil	Col de Lombarde
<i>Achillea millefolium</i>	Yarrow	Widespread and common
<i>Tripleurospermum inodorum</i>	Scentless Mayweed	Scattered records
<i>Matricaria discoidea</i>	Pineapple Weed	Scattered records
<i>Tanacetum vulgare</i>	Tansy	Entracque

<i>Tanacetum corymbosum</i> <i>ssp.corymbosum</i>	a tansy	Valdeblore
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	Widespread
<i>Leucanthemum atratum</i> <i>ceratophylloides</i>	an ox-eye daisy	Tende
<i>Leucanthemum discoideum</i>	Rayless Ox-eye Daisy	This very attractive near endemic was in flower at the Col de Turini
<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	Valdeblore and Day 4, locally common
<i>Artemisia chamaemelifolia</i>	a wormwood	Valdeblore and Day 4, locally common
<i>Tussilago farfara</i>	Colt's-foot	In leaf, abundant
<i>Petasites albus</i>	White Butterbur	In leaf
<i>Petasites hybridus</i>	Butterbur	In leaf
<i>Adenostyles alliariae</i>	Adenostyles	Tende old tunnel
<i>Adenostyles glabra</i>	an adenostyles	Col de Turini
<i>Adenostyles leucophylla</i>	an adenostyles	Common on the Italian side of Col de Lombarde
<i>Arnica montana</i>	Arnica	Scattered at higher altitudes
<i>Senecio incanus</i> ssp. <i>incanus</i>	Hoary Groundsel	Col de la Lombarde, in fine flower this year
<i>Senecio ovatus</i> ssp. <i>alpestris</i>	a Wood Ragwort	Scattered records
<i>Senecio sylvaticus</i>	Heath Groundsel	Gordolasque
<i>Senecio vulgaris</i>	Groundsel	
<i>Tephrosieris capitata</i>		Heads of orange flowers. In attractive flower at Tende, 2023.
<i>Calendula arvensis</i>	Field Marigold	Rimplas in the past
<i>Carlina vulgaris</i>	Carlina Thistle	Valdeblore etc.
<i>Carlina acaulis caulescens</i>	Stemmed Stemless Thistle!	Tende (France)
<i>Echinops sphaerocephalus</i>	a globe thistle	Valdeblore
<i>Echinops ritro</i>	Globe Thistle	Sospel area
<i>Arctium lappa</i>	Greater Burdock	Gordolasque etc.
<i>Arctium minus</i>	Lesser Burdock	Gordolasque etc.
<i>Carduus nigrescens</i>	a thistle	Day 4, 2023
<i>Carduus defloratus</i>	Variable-leaved Thistle	Common and widespread
<i>Cirsium eriophorum</i>	Woolly Thistle	Valdeblore etc.
<i>Cirsium vulgare</i>	Spear Thistle	Scattered records
<i>Cirsium montanum</i>	a brook thistle	Common in damp wooded habitats
<i>Cirsium erisithales</i>	Yellow Melancholy Thistle	Col de Turini, Lombarde, Tende
<i>Cirsium spinosissimum</i>	Spiniest Thistle	Col de Lombarde, Tende
<i>Cirsium acaule</i>	Dwarf Thistle	Col St.Martin and Entracque
<i>Cirsium monspessulanum</i>		Noted in leaf
<i>Cirsium arvense</i>	Creeping Thistle	Scattered
<i>Onopordum acanthium</i>	Scotch Thistle	Cuneo, en route to Nice
<i>Leuzea conifera</i>		A few below Turini
<i>Centaurea scabiosa</i>	Greater Knapweed	Widespread and common
<i>Centaurea paniculata</i>	Jersey Knapweed	Rimplas
<i>Centaurea leucophaea</i>	Whitish-leaved Knapweed	Valdeblore

<i>Centaurea nigrescens</i>	Black-rayed Knapweed	Scattered, e.g. Col St.Martin
<i>Centaurea uniflora</i>	Plume Knapweed	Gordolasque, Tende, etc.
<i>Centaurea nervosa</i>	a plume knapweed	Gordolasque, Lombarde, and Sta.Anna
<i>Centaurea montana</i>	Mountain Cornflower	Gordolasque and Lombarde
<i>Carthamus lanatus</i>	Downy Safflower	Sospel lunch site 2023
<i>Cichorium intybus</i>	Chicory	Roadsides
<i>Catananche caerulea</i>	Cupidone	Moulinet and Luceram
<i>Hypochaeris uniflora</i>	a cat's-ear	Tende
<i>Hypochaeris radicata</i>	Cat's-ear	Scattered records
<i>Leontodon helveticus</i>	Swiss Hawkbit	Higher altitude acidic sites, e.g. Lombarde
<i>Leontodon hispidus</i>	Rough Hawkbit	Gordolasque
<i>Picris echioides</i>	Bristly Oxtongue	Scattered records
<i>Picris hieracioides</i>	Hawkweed Oxtongue	Valdeblore etc.
<i>Tragopogon pratensis</i>	Goat's-beard	Below Isola 2000
<i>Lactuca serriola</i>	Prickly Lettuce	Valdeblore etc.
<i>Lactuca virosa</i>	Great Lettuce	Above Col St.Martin
<i>Lactuca perennis</i>	Perennial Lettuce	Col St.Martin, Day 4, etc.
<i>Cicerbita alpina</i>	Alpine Sow-thistle	Tende, locally common
<i>Prenanthes purpurea</i>	Purple Rattlesnake-root	Tende and Entracque
<i>Mycelis muralis</i>	Wall Lettuce	Scattered records
<i>Taraxacum officinale</i>	Dandelion	
<i>Lapsana communis</i>	Nipplewort	
<i>Crepis paludosa</i>	Marsh Hawksbeard	
<i>Crepis conyzifolia</i>	a hawksbeard	Sta.Anna and Tende
<i>Crepis albida</i>	Pyrenean Hawksbeard	Tende old tunnel
<i>Crepis nicaeensis</i>	French Hawk's-beard	
<i>Crepis</i> spp.	hawksbeards	Several others to be identified!
<i>Hieracium staticifolium</i>	a hawkweed	Scattered, locally common above Col St. Martin, and Lombarde
<i>Hieracium pilosella</i>	Mouse-ear Hawkweed	Widespread, e.g. Col St.Martin
<i>Hieracium lactucella</i>	a hawkweed	Local, e.g. Sta.Anna
<i>Hieracium angustifolium</i>	a hawkweed	Col de la Lombarde
<i>Hieracium cymosum</i>	a hawkweed	Sta.Anna
<i>Hieracium murorum</i>	Wall Hawkweed	In leaf, locally common
<i>Hieracium bifidum</i>	a hawkweed	Scattered records
<i>Hieracium villosum</i>	Shaggy Hawkweed	Common at Tende
<i>Hieracium pictum</i>	a hawkweed	Locally common, e.g. Valdeblore
<i>Hieracium tomentosum</i>	Woolly Hawkweed	Common at Tende
<i>Hieracium alpinum</i>	Alpine Hawkweed	
<i>Hieracium amplexicaule</i>	a hawkweed	Rimplas 2023
<i>Hieracium prenanthoides</i>	a hawkweed	
<i>Hieracium racemosum</i>	a hawkweed	
<i>Hieracium sabaudum</i>	Savoy Hawkweed	
<i>Hieracium laevigatum</i>	a hawkweed	

Monocotyledons

Juncaginaceae

Triglochin palustris Marsh Arrowgrass Lombarde (I), 2023

Juncaceae

Juncus jacquinii a rush In flower at Lombarde. One of the most beautiful plants in the area.

Juncus filiformis Thread Rush

Juncus conglomeratus Compact Rush Gordolasque and Tende (France)

Juncus trifidus Three-leaved Rush Col de la Lombarde

Juncus monanthos a three-leaved rush Gordolasque and Lombarde

Juncus compressus Round-fruited Rush

Juncus bufonius Toad Rush

Juncus bulbosus Bulbous Rush Gordolasque

Juncus acutiflorus Sharp-flowered Rush Scattered, e.g. Gordolasque

Juncus articulatus Jointed Rush Scattered. e.g. Gordolasque

Luzula campestris Field Wood-rush

Luzula multiflora Heath Wood-rush Scattered

Luzula spicata Spiked Wood-rush Lombarde

Luzula nutans a wood-rush Val Sta. Anna

Luzula nivea Snow-white Wood-rush Widespread and locally common

Luzula pedemontana Piedmont Wood-rush Scattered

Luzula alpinopilosa a wood-rush Upper Val Sta. Anna, Gordolasque

Cyperaceae

Scirpus sylvaticus Common in wet flushes at Valdieri, 2022

Scirpoides holoschoenus Round-headed Club Rush Sospel lunch site

Trichophorum caespitosum Deergrass Col de Lombarde and Gordolasque

Blysmus compressus Flat-sedge Gordolasque

Eriophorum angustifolium Common Cotton-grass Col de la Lombarde

Eriophorum latifolium Broad-leaved Cotton-grass Gordolasque and Val Sta. Anna

Schoenus nigricans Black Bog-rush Torino

Carex spicata Spiked Sedge

Carex pairae Common Prickly Sedge Scattered records

Carex foetida a sedge Common in one gully at Col de Lombarde

Carex leporina Oval Sedge Scattered records

Carex echinata Star Sedge Gordolasque and Lombarde

Carex brunnescens a sedge By the lake at Col de Lombarde

Carex curvula a sedge

Carex sylvatica Wood Sedge Moulinet

Carex capillaris Hair Sedge Lombarde

Carex flacca Glaucous Sedge Scattered records

Carex panicea Carnation Sedge Gordolasque

Carex flava Large Yellow Sedge Lombarde

Carex lepidocarpa Long-stalked Yellow Sedge Gordolasque and Lombarde

Carex pallescens Pale Sedge Scattered records

<i>Carex montana</i>	Soft-leaved Sedge	Scattered records
<i>Carex sempervirens</i>	a sedge	Scattered records
<i>Carex ferruginea ssp.tendae</i>	a sedge	Tende
<i>Carex elata</i>	Tufted Sedge	Scattered records
<i>Carex nigra</i>	Common Sedge	Scattered records

Poaceae

<i>Festuca paniculata</i>	a fescue	
<i>Festuca gigantea</i>	Giant Fescue	
<i>Festuca rubra</i>	Red Fescue	
<i>Festuca laevigata</i>	a fescue	
<i>Festuca spp.</i>	fescues	Other species not identified
<i>Lolium perenne</i>	Perennial Rye-grass	
<i>Lolium multiflorum</i>	Italian Rye-grass	
<i>Vulpia myuros</i>	Rat's-tail Fescue	
<i>Vulpia unilateralis</i>	Mat-grass Fescue	
<i>Catapodium rigidum</i>	Fern-grass	
<i>Poa annua</i>	Annual Meadow-grass	
<i>Poa trivialis</i>	Rough Meadow-grass	
<i>Poa pratensis</i>	Smooth Meadow-grass	
<i>Poa angustifolia</i>	Narrow-leaved Meadow-grass	
<i>Poa compressa</i>	Flattened 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>Cynosurus cristatus</i>	Crested Dog's-tail	
<i>Cynosurus echinatus</i>	Rough Dog's-tail	
<i>Briza media</i>	Quaking Grass	
<i>Sesleria argentea</i>	a moor-grass	
<i>Sesleria caerulea</i>	Blue Moor-grass	
<i>Melica nutans</i>	Mountain Melick	
<i>Melica uniflora</i>	Wood Melick	
<i>Melica ciliata</i>	Ciliated Melick	
<i>Glyceria notata</i>	Plicate Sweet-grass	
<i>Bromus diandrus</i>	Great Brome	
<i>Bromus sterilis</i>	Barren Brome	
<i>Bromus tectorum</i>	Drooping Brome	
<i>Bromus madritensis</i>	Compact Brome	
<i>Bromus inermis</i>	Hungarian Brome	
<i>Bromus ramosus</i>	Hairy Brome	
<i>Bromus erectus</i>	Upright Brome	
<i>Bromus hordeaceus</i>	Soft 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>Hordelymus europaeus</i>	Wood 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>Holcus lanatus</i>	Yorkshire Fog
<i>Agrostis canina</i>	Velvet Bent
<i>Agrostis schraderiana</i>	a bent
<i>Agrostis capillaris</i>	Common Bent
<i>Agrostis stolonifera</i>	Creeping Bent
<i>Agrostis</i> spp.	
<i>Calamagrostis epigeios</i>	Wood Small-reed
<i>Calamagrostis varia</i>	a small-reed
<i>Phleum pratense</i>	Timothy
<i>Phleum alpinum</i>	Alpine Cat-s-tail
<i>Alopecurus pratensis</i>	Meadow Foxtail
<i>Milium effusum</i>	Wood Millet
<i>Achnatherum calamagrostis</i>	Rough Feather-grass
<i>Arundo donax</i>	Giant Reed
<i>Molinia arundinacea</i>	a purple moor-grass
<i>Nardus stricta</i>	Mat Grass
<i>Eleusine indica</i>	Yard-grass
<i>Cynodon dactylon</i>	Bermuda-grass
<i>Setaria pumila</i>	Yellow Bristle-grass
<i>Setaria viridis</i>	Green Bristle-grass
<i>Sorghum halepense</i>	Johnson-grass
<i>Bothriochloa ischaemum</i>	

Sparganiaceae

<i>Sparganium angustifolius</i>	Floating Bur-reed	Filling the lake on the Italian side of the Col de la Lombarde, many in flower
---------------------------------	-------------------	--

Liliaceae

<i>Tofieldia calyculata</i>	Tofield's Asphodel	Gordolasque and below Isola 2000
<i>Veratrum album</i>	White False Helleborine	Locally common, in flower
<i>Anthericum liliago</i>	St. Bernard's Lily	Sta. Anna, Tende, Valdebloro
<i>Aphyllanthes monspeliensis</i>		In fruit in Sospel area
<i>Hemerocallis fulva</i>	Orange Day-Lily	Naturalised at Valdieri, 2022

<i>Lilium martagon</i>	Martagon Lily	Fine below Isola 2000, Val Sta.Anna, Tende, Gordolasque
<i>Lilium bulbiferum</i>	Orange Lily	Seen on the arrival day
<i>Lilium pomponium</i>	Little Turk's Cap Lily	Several in superb flower at Col St.Martin was a tour highlight. Endemic.
<i>Allium narcissiflorum</i>		Very many plants at Tende in superb flower. Endemic.
<i>Allium schoenoprasum</i>	Chives	Scattered records
<i>Allium paniculatum</i>		Gordolasque
<i>Allium oleraceum</i>	Field Garlic	Tende (Italy)
<i>Allium rotundum</i>	a leek	Scattered records
<i>Allium sphaerocephalon</i>	Round-headed Leek	Scattered records
<i>Streptopus amplexifolius</i>	Streptopus	Several in fruit in Tende woods
<i>Polygonatum verticillatum</i>	Whorled Solomon's Seal	Tende, in fruit
<i>Paris quadrifolia</i>	Herb Paris	Woodland edge at Tende, also on exposed rocks there! Also Moulinet Forest.
<i>Asparagus acutifolius</i>	Sharp-leaved Asparagus	Day 4

Iridaceae

<i>Crocus albiflorus</i>		In leaf at Lombarde
--------------------------	--	---------------------

Orchidaceae

<i>Epipactis helleborine</i>	Broad-leaved Helleborine	Valdeblore, Moulinet, etc.
<i>Epipactis muelleri</i>	a helleborine	4 at the Sospel lunch site, new in 2023
<i>Epipactis atrorubens</i>	Dark Red Helleborine	Several in Valdeblore, and at Tende
<i>Cephalanthera rubra</i>	Red Helleborine	In fine flower on Col St.Martin
<i>Neottia nidus-avis</i>	Bird's-nest Orchid	A few spikes, going over, La Bolline and lower Tende
<i>Listera ovata</i>	Common Twayblade	A few in flower, e.g. Gordolasque
<i>Goodyera repens</i>	Creeping Lady's-tresses	In flower at Valdeblore and Moulinet, 2022
<i>Gymnadenia conopsea</i>	Fragrant Orchid	A few records, e.g. La Bolline, Tende
<i>Gymnadenia densiflora</i>	A fragrant orchid	Above Limone 1400, 2023.
<i>Pseudorchis albida</i>	Small White Orchid	Col de Lombarde and Tende
<i>Nigritella corneliana</i>	a vanilla orchid	Many at Col de la Lombarde, in fine flower on the arrival day, but already going over four days later, although some still in good condition. Also Tende. Endemic.
<i>Coeloglossum viride</i>	Frog Orchid	Lombarde and Tende
<i>Dactylorhiza sambucina</i>	Elder-flowered Orchid	Below Isola 2000, over, 2022
<i>Dactylorhiza fuchsii</i>	Common Spotted Orchid	Widespread and locally very common
<i>Dactylorhiza majalis</i>	Broad-leaved Marsh Orchid	Scattered records
<i>Orchis ustulata</i>	Burnt-tip Orchid	Tende
<i>Himantoglossum hircinum</i>	Lizard Orchid	Fine at Rimplas, and Luceram
<i>Anacamptis pyramidalis</i>	Pyramidal Orchid	In flower above Col St.Martin

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, seen on 7 days
Scarce Swallowtail	<i>Iphiclides podalirius</i>	Widespread in small numbers, seen on 5 days
Apollo	<i>Parnassius apollo</i>	Gordolasque, Val Sta. Anna, Tende

Pieridae

Large White	<i>Pieris brassicae</i>	Seen on 2 days
Black-veined White	<i>Aporia crataegi</i>	Scattered records, seen on 5 days
Small White	<i>Artogeia rapae</i>	Scattered records, seen on 4 days
Southern Small White	<i>Artogeia manni</i>	A few at Gorge della Reina
Green-veined White	<i>Artogeia napi</i>	Seen on 4 days
Mountain Green-veined White	<i>Artogeia bryoniae</i>	Gordolasque
Orange-tip	<i>Anthocharis cardamines</i>	A male still on the wing below Isola 2000
Mountain Clouded Yellow	<i>Colias phicomone</i>	Several at Lombarde
Clouded Yellow	<i>Colias crocea</i>	Widespread in small numbers, seen on 7 days
Pale Clouded Yellow	<i>Colias hyale</i>	Seen on 3 days
Berger's Clouded Yellow	<i>Colias alfacariensis</i>	Entracque
Brimstone	<i>Gonepteryx rhamni</i>	Seen on 4 days
Cleopatra	<i>Gonepteryx cleopatra</i>	On 4 days in France
Wood White	<i>Leptidea sinapis</i>	Widespread in small numbers

Lycaenidae

Purple Hairstreak	<i>Quercusia quercus</i>	Entracque
Sloe Hairstreak	<i>Satyrium acaciae</i>	2 in the Sospel area
False Ilex Hairstreak	<i>Satyrium esculi</i>	3 at Rimplas
Blue-spot Hairstreak	<i>Satyrium spini</i>	Valdeblore and Day 4
White-letter Hairstreak	<i>Satyrium w-album</i>	1 in the Sospel area
Green Hairstreak	<i>Callophrys rubi</i>	Moulinet Forest and Sospel area
Small Copper	<i>Lycaena phlaeas</i>	Gordolasque
Scarce Copper	<i>Lycaena virgaureae</i>	Scattered records, seen on 3 days
Sooty Copper	<i>Lycaena tityrus</i>	Seen on three days, <i>ssp. subalpina</i> at Entracque
Purple-shot Copper	<i>Lycaena alciphron</i>	Col St. Martin, Valdeblore, Val Sta. Anna, and Entracque, in fine condition
Purple-edged Copper	<i>Lycaena hippothoe</i>	Widespread in small numbers, e.g. Gordolasque and Lombarde, <i>ssp. eurydame</i>
Lang's Short-tailed Blue	<i>Leptotes pirithous</i>	Above Col St. Martin
Little Blue	<i>Cupido minimus</i>	Entracque and Gordolasque
Holly Blue	<i>Celastrina argiolus</i>	Lower Tende
Mountain Alcon Blue	<i>Maculinea rebeli</i>	Lower Tende, and Entracque, where ova also found, on <i>Gentiana cruciata</i>
Scarce Large Blue	<i>Maculinea telejus</i>	2 near Torino at a site for this indeed scarce species
Large Blue	<i>Maculinea arion</i>	Gordolasque, Val Sta. Anna, and Entracque

Baton Blue	<i>Pseudophilotes baton</i>	Entracque
Silver-studded Blue	<i>Plebejus argus</i>	Scattered records, seen on 5 days
Idas Blue	<i>Plebejus idas</i>	Scattered records, seen on 5 days
Reverdin's Blue	<i>Plebejus argyrognomon</i>	Possibly an individual of this species at Gordolasque
Geranium Argus	<i>Eumedonia eumedon</i>	Gordolasque and Lombarde
Brown Argus	<i>Aricia agestis</i>	A few records
Mountain Argus	<i>Aricia artaxerxes</i>	Val Sta.Anna and Entracque
Mazarine Blue	<i>Cyaniris semiargus</i>	Widespread
Ripart's Anomalous Blue	<i>Agrodiaetus ripartii</i>	Upper Entracque
Escher's Blue	<i>Agrodiaetus escheri</i>	Seen on 6 days
Amanda's Blue	<i>Agrodiaetus amanda</i>	Scattered records, seen on 3 days
Turquoise Blue	<i>Plebicula dorylus</i>	Val Sta.Anna
Chalk-hill Blue	<i>Lysandra coridon</i>	Scattered records, seen on 3 days
Adonis Blue	<i>Lysandra bellargus</i>	Scattered records, seen on 4 days
Common Blue	<i>Polyommatus icarus</i>	Widespread in small numbers

Nymphalidae

Purple Emperor	<i>Apatura iris</i>	Fine at upper Entracque, also on the arrival day in France below Lombarde
Lesser Purple Emperor	<i>Apatura ilia</i>	2 at upper Entracque
Southern White Admiral	<i>Limenitis reducta</i>	La Bolline, Sospel, Entracque, and near Torino
White Admiral	<i>Limenitis camilla</i>	Gordolasque and Entracque
Large Tortoiseshell	<i>Nymphalis polychloros</i>	Lombarde
Peacock	<i>Inachis io</i>	Gordolasque
Red Admiral	<i>Vanessa atalanta</i>	Gordolasque
Painted Lady	<i>Vanessa cardui</i>	A few records, seen on 3 days
Small Tortoiseshell	<i>Aglais urticae</i>	Scattered records at higher altitudes
Comma	<i>Polygonia c-album</i>	Scattered records
Silver-washed Fritillary	<i>Argynnis paphia</i>	Widespread, seen on 6 days, form <i>valesina</i> seen on 2 days (sometimes spelt <i>valezina</i>).
Dark Green Fritillary	<i>Argynnis aglaja</i>	Widespread and reasonably common, seen on 4 days
High Brown Fritillary	<i>Argynnis adippe</i>	Scattered records, seen on 3 days
Niobe Fritillary	<i>Argynnis niobe</i>	Gordolasque and Moulinet
Queen-of-Spain Fritillary	<i>Issoria lathonia</i>	Widespread in small numbers, seen on 4 Days
Twin-spot Fritillary	<i>Brenthis hecate</i>	Moulinet, Sospel, and near Torino
Marbled Fritillary	<i>Brenthis daphne</i>	Widespread in small numbers
Titania's Fritillary	<i>Clossiana titania</i>	Scattered records, seen on 3 days
Pearl-bordered Fritillary	<i>Clossiana euphrosyne</i>	Scattered records, seen on 3 days
Weaver's Fritillary	<i>Clossiana dia</i>	Valdeblore
Glanville Fritillary	<i>Melitaea cinxia</i>	Lombarde, Gordolasque
Knapweed Fritillary	<i>Melitaea phoebe</i>	Valdeblore, Moulinet, Entracque
Spotted Fritillary	<i>Melitaea didyma</i>	Widespread and rather common
Lesser Spotted Fritillary	<i>Melitaea trivia</i>	Seen in Cuneo Province en route from the Central Alps to Maritime Alps, a scarce species in Piemonte.
False Heath Fritillary	<i>Melitaea diamina</i>	Lower Tende
Heath Fritillary	<i>Mellicta athalia</i>	Widespread and common, seen daily
Provençal Fritillary	<i>Mellicta deione</i>	Widespread in small numbers, seen on 7 days
Grisons Fritillary	<i>Mellicta varia</i>	Lombarde (Italy), and Tende (France)

Nickerl's Fritillary
Cynthia's Fritillary

Mellicta aurelia
Hypodryas cynthia

Entracque
A colony at Lombarde

Satyridae

Marbled White
Rock Grayling
Woodland/ Rock Grayling
Common Grayling
Black Satyr
Great Sooty Satyr
Dryad
Great Banded Grayling
Arran Brown
Large Ringlet
Mountain Ringlet
Scotch Argus
Almond-eyed Ringlet
Silky Ringlet
False Mnestra Ringlet
Common Brassy Ringlet

Melanargia galathea
Hipparchia alcyone
Hipparchia fagi/alcyone
Hipparchia semele
Satyrus actaea
Satyrus ferula
Minois dryas
Kanetisa circe
Erebia ligea
Erebia euryale
Erebia epiphron
Erebia aethiops
Erebia alberganus
Erebia gorge
Erebia aethiopella
Erebia cassioides

Widespread and very common
On 2 days in France
One or both of these species seen on several other days
Moulinet, Sospel, Lombarde
Valdeblore and Entracque
Widespread, seen on 4 days
Near Torino
Scattered records, seen on 3 days
Widespread and often common, seen on 6 days
Scattered, seen on 3 days
Gordolasque and Val Sta. Anna
1 at Gordolasque
Widespread and locally common, seen on 5 days
Col de Tende
Col de Lombarde
Col de Lombarde. ssp. *arvernensis*, split by some as *Erebia arvernensis*, Western Brassy Ringlet

Meadow Brown
Dusky Meadow Brown
Ringlet
Small Heath
Pearly Heath
Darwin's Heath
False Ringlet

Maniola jurtina
Hyponphele lycaon
Aphantopus hyperantus
Coenonympha pamphilus
Coenonympha arcania
Coenonympha darwiniana
Coenonympha oedippus

Scattered records
Valdeblore, Moulinet, and Entracque
Gordolasque and Entracque
Seen daily
Widespread and common, seen daily
Seen on the arrival day, en route from Cuneo
Near Torino, at a strong colony of this scarce species, but only one seen, briefly

Speckled Wood
Wall Brown
Large Wall Brown

Pararge aegeria
Lasiommata megera
Lasiommata maera

La Bolline, Gordolasque, Torino
Moulinet
Widespread in small numbers, seen on 6 days

Hesperiidae

Grizzled Skipper
Large Grizzled Skipper
Carline Skipper
Oberthur's Grizzled Skipper
Olive Skipper
Safflower Skipper
Red-underwing Skipper
Tufted Marbled Skipper
Dingy Skipper
Lulworth Skipper
Essex Skipper
Small Skipper
Large Skipper

Pyrgus malvae
Pyrgus alveus
Pyrgus carlinae
Pyrgus armoricanus
Pyrgus serratulae
Pyrgus carthami
Spialia sertorius
Carcharodus flocciferus
Erynnis tages
Thymelicus acteon
Thymelicus lineola
Thymelicus sylvestris
Ochlodes venatus

Scattered records
Seen on five days
Lombarde and Gordolasque
Gordolasque
Gordolasque and Lombarde
Scattered records
Valdeblore
Gordolasque and Entracque
Scattered records, seen on 5 days
Vesubie valley
Widespread, seen daily
Widespread, seen daily
Widespread, seen daily

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.

Grey Heron	<i>Ardea cinerea</i>
Griffon Vulture	<i>Gyps fulvus</i>
Black Kite	<i>Milvus migrans</i>
Honey Buzzard	<i>Pernis apivorus</i>
Common Buzzard	<i>Buteo buteo</i>
Goshawk	<i>Accipiter gentilis</i>
Common Kestrel	<i>Falco tinnunculus</i>
Quail	<i>Coturnix coturnix</i> (Heard)
Black-headed Gull	<i>Larus ridibundus</i>
Yellow-legged Gull	<i>Larus cachinnans</i>
Rock Dove	<i>Columba livia</i>
Woodpigeon	<i>Columba palumbus</i>
Collared Dove	<i>Streptopelia decaocto</i>
Nightjar	<i>Caprimulgus europaeus</i> (Heard)
Common Swift	<i>Apus apus</i>
Pallid Swift	<i>Apus pallidus</i>
Wryneck	<i>Jynx torquilla</i> (Heard)
Green Woodpecker	<i>Picus viridis</i> (Heard)
Black Woodpecker	<i>Dryocopus martius</i>
Great Spotted Woodpecker	<i>Dendrocopos major</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>
Nightingale	<i>Luscinia megarhynchos</i> (Heard)
Black Redstart	<i>Phoenicurus ochruros</i>
Whinchat	<i>Saxicola rubetra</i>
Northern Wheatear	<i>Oenanthe oenanthe</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>
Long-tailed Tit	<i>Aegithalos caudatus</i>
Marsh Tit	<i>Parus palustris</i>
Willow Tit	<i>Parus montanus</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>
Jackdaw	<i>Corvus monedula</i>
Carrion Crow	<i>Corvus corone</i>
Hooded Crow	<i>Corvus (corone) cornix</i>
Raven	<i>Corvus corax</i>
Starling	<i>Sturnus vulgaris</i>
House Sparrow	<i>Passer domesticus</i>
Italian Sparrow	<i>Passer italiae (Torino)</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>
Common Crossbill	<i>Loxia curvirostra</i>
Bullfinch	<i>Pyrrhula pyrrhula</i>
Yellowhammer	<i>Emberiza citrinella</i>

Systematic List Number 4 Amphibians, Reptiles & Mammals

Common Frog	<i>Rana temporaria</i>	Scattered records
Italian Slow Worm	<i>Anguis veronensis</i>	Above Limone 1400, 2022
Common Wall Lizard	<i>Podarcis muralis</i>	Scattered records
Ocellated Lizard	<i>Timon lepidus</i>	Luceram 2023
Western Green Lizard	<i>Lacerta bilineata</i>	Entracque, Torino
Moorish Gecko	<i>Tarentola mauritanica</i>	Rimplas 2023
Western Hedgehog	<i>Erinaceus europaeus</i>	Road casualties
Alpine Marmot	<i>Marmota marmota</i>	Gordolasque, Lombarde, Tende
Fox	<i>Vulpes vulpes</i>	Near Torino
Alpine Chamois	<i>Rupicapra rupicapra</i>	Gordolasque
Roe Deer	<i>Capreolus capreolus</i>	Limone Piemonte 2022
Rabbit	<i>Oryctolagus cuniculus</i>	Near Torino