

# Maritime Alps

## *Wildlife at Leisure*

### A Greentours Tour Report

7<sup>th</sup> to 15<sup>th</sup> July 2024

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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 Italian and French 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, a rosette of the rare *Saxifraga florulenta*, fine endemic *Gentiana rostanii*, the endemic vanilla orchid *Nigritella corneliana*, *Epipactis muelleri*, endemic *Micromeria marginata*, endemic *Potentilla valderia*, *Silene armeria*, *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, many in large numbers, with several sites simply alive with nectaring butterflies, the variety and numbers of fritillaries particularly memorable.

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.

The Central Alps tour finished on Sunday, and this year with everyone on that tour continuing to this, the ideal place to stay that night was in my village north of Torino. Having driven from Stelvio National Park, via Linate to drop of those departing from that tour, we headed west to Piemonte, and nearing our destination there was time for a late afternoon stroll in the extensive forest and pasture of an historic Savoy hunting lodge near Torino. En route across the Po plains we'd seen African Sacred Ibis and White Stork as well as the usual herons and egrets.

Our walk through mixed broadleaf woodland, with established alien *Quercus rubra*, produced several dragonflies, birds, and butterflies. Among the many plants were *Hypericum hirsutum*, *Phytolacca americana*, *Circaea lutetiana*, *Euphorbia taurinensis*, *Scirpoides holoschoenus*, *Viburnum lantana*, *Lonicera xylosteum*, *Lonicera etrusca*, and *Ambrosia artemisiifolia*. Both demoiselles were seen and there was a selection of fine

orthopterans, especially several impressive bush crickets. I was very pleased to spot an Italian Tree Frog at the furthest point of our walk, a highlight. Black Woodpecker called and two Roe Deer crossed the track in front of us.

That evening we enjoyed an excellent dinner in the elegant dining room of the hotel in which I live.

On Monday we had a leisurely start, the group enjoying strolls around the village before we left. Had there been new arrivals for the tour, we would have met them at the nearby Turin Airport, but with that not necessary we had all day to enjoy the area and later make our way to our next hotel at Limone Piemonte. A pleasant drive along quiet roads took us to extensive serpentine slopes, which give fine views to my village and the hotel, and of the snow capped mountains on the French border. The whole area is verdant and beautiful. Butterflies began with Marbled Whites, Pearly Heath, Woodland Brown, Ringlet, and Large Skipper. The moth *Amata phegea* was much in evidence. Under larch, spruce, and birch, were *Minuartia laricifolia*, *Campanula bertolae*, a regional endemic, *Centaurea nervosa*, *Cardamine plumieri*, *Teucrium montanum*, *Plantago maritima serpentina*, and *Scrophularia canina*. On rocks was *Asplenium adulterinum*, a serpentine speciality, with also *Asplenium trichomanes*, *Asplenium adiantum-nigrum*, and *Asplenium septentrionale*.

Another site near my home has colonies of several special butterflies, with False Ringlet in fine form almost immediately we were out of the vehicle. Twin-spot Fritillary was still on the wing, and Dryad flew at the woodland edge. Spotted Fritillary, Heath Fritillary, and Dusky Meadow Brown flew in the warm sunshine. None of the hoped for Scarce Large Blue today however, despite a dedicated search for it, just not on the wing yet this year. The very local burnet *Zygaena cynarae* was associated with its foodplant *Peucedanum cervaria*.

The plant highlight was Spiked Speedwell. Among the many other plants were *Dianthus seguieri*, *Linum trigynum*, *Polygala nicaeensis*, *Clematis recta*, *Euphorbia verrucosa*, *Eryngium campestre*, *Centaureum erythraea*, and *Inula spiraeifolia* in bud. *Gratiola officinalis* flowered in a wet flush. Sparrowhawk flew low through the trees.

We ate our panini here in the tranquility of this special spot. It was then time to head south, taking first the Torino tangenziale. We took pleasant quieter roads, the route I used to drive so often when I lived in the area for a decade. Having reached Cuneo I did some picnic supply shopping, the group enjoying a coffee etc. in the welcome a/c of the shopping centre cafe.

For the first three nights of the tour we stayed on 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, a superbly productive area.

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 Limone for the start of the tour, and move to Valdeblore as a base for visiting the French sites. A great bonus in Italy 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.

Our first full day was spent mostly in Italy, with a short excursion into France, and was superbly productive, 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 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*, *Astrantia major*, *Veronica fruticulosa*, *Adenostyles alliariae*, *Campanula cochlearifolia*, Limestone Fern, *Polystichum aculeatum*, *Crepis albida*, and *Cystopteris fragilis*. The fragrant orchid *Gymnadenia densiflora* was in fine flower. A great find was *Orobanche teucrii*, its host the endemic *Teucrium lucidum*. Roses featured today, with several rather confusing plants seen, but at least *Rosa glauca* was distinctive. Duke of Burgundy started the butterflies.

At woodland edge was a fine lush flora, many *Cicerbita alpina* in fine flower. Other forest edge plants included the endemic *Trochisanthes nodiflora*, *Streptopus amplexifolius*, *Chaerophyllum hirsutum*, *Senecio ovatus*, *Prenanthes purpurea*, Lady Fern and Male Fern side by side, Hard Shield Fern, *Ranunculus platanifolius*, and *Myrrhis odorata*. Chiffchaff called.

A short walk along a side track yielded Scarce Swallowtail, *Malva moschata*, *Gentiana cruciata* (no Mountain Alcon Blue eggs), *Galium rubrum*, and *Allium oleraceum*. Marmots called from a colony on the open slopes. The only Green-underside Blue of the tour was here.

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, but *Saxifraga caesia* was still in bud this year. Both *Bupleurum petraeum* and *Bupleurum ranunculoides* were very attractive, and the endemic *Silene campanula* was also in bud. *Tephrosieris capitata* was in fine flower. *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*, large flowered *Hypochoeris uniflora*, *Arnica montana*, *Silene saxifraga*, *Cotoneaster integerrimus*, *Euphrasia salisbergensis*, *Globularia cordifolia*, *Globularia repens*, *Leucanthemum atratum ceratophylloides*, and *Pedicularis gyroflexa*. Grison's Fritillary was the butterfly highlight here.

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.

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.

It was time to set out the lunch, and nearby we found *Gentiana campestris*, *Nigritella rhellicani*, and *Nigritella corneliana*. Nutcrackers called, Water Pipit gave display flights, and four Griffons soared over the col.

New plants came thick and fast, with the endemics *Dianthus scaber* and *Dianthus subacaulis*, *Linaria angustissima* a beautiful rich yellow, *Linaria supina*, *Minuartia rostrata*, *Minuartia capillacea*, *Arenaria*

*aggregata*, many *Potentilla valderia*, *Scutellaria alpina*, *Rhamnus saxatilis*, *Astragalus monspessulanus* and both St. Bernard's and St. Bruno's Lilies. Endemic *Cytisus ardoinoi* was very floriferous.

At the furthest point of our excursion into France was Burnt-tip Orchid, the endemic *Veronica allionii*, robust *Euphrasia alpina*, and impressive *Ornithogalum gussonei*. *Orobanche alba* parasitised *Thymus*.

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. More fine *Saxifraga callosa* cascaded from the walls and *Saxifraga exarata* was here too.

Woodland edge lower down had Herb Paris, fruiting *Cardamine heptaphylla* and *Geranium macrorrhizum*. Last visit I was delighted to see the very distinctive black and white geometer *Baptria tibiale* here, associated with Baneberry, for me a tour highlight.

Among other butterflies today were Swallowtail, False Heath Fritillary, and Heath Fritillary.

The next 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. Pale Clouded Yellow was on the wing. There were several of the black, white, and yellow moth *Amata phegea*. The song of Western Bonelli's Warbler was a backdrop.

Lavender is a feature here, and usually attracts many nectaring butterflies and other insects. However this year most was not yet in flower, so it was the many other flowers here that attracted very many butterflies. Among the many species were Swallowtail, Little Blue, Adonis Blue, Large Blue, Tufted Marbled Skipper, Dingy Skipper, Dark Green Fritillary, High Brown Fritillary, Marbled Fritillary, Knapweed Fritillary, Spotted Fritillary, Heath Fritillary, and notably Nickerl's Fritillary. Mountain Alcon Blue was a highlight and today we also found its eggs on Cross Gentian. Fine Purple-shot Copper and Sooty Copper were admired, and Marbled Skipper landed on the track by a stream. *Prunella laciniata* was in attractive flower.

We drove to the top of this verdant road and here I set out the lunch. This is a beautiful tranquil site beside a pristine river amid fine forest. Southern White Admiral and White Admiral were both on the wing, and on my previous visit we had also seen both Purple Emperor and Lesser Purple Emperor here.

*Jasione montana* was in flower, *Asarum europaeum* was in leaf under the trees, and *Digitalis lutea* and *Digitalis grandiflora* were both here. Endemic *Gentiana villarsii* was in leaf, and *Ajuga genevensis* and *Gnaphalium norvegicum* were at the forest edge. A pleasing find was the Buprestid *Anthaxie nitidula*, a small species with green elytra, and bronze red head and thorax. On the forest floor were several impressively large *Russula*, more than one species. Camberwell Beauty was a bonus.

Back in the vehicles we explored another valley, a scenic road reaching an alpine lake where we took a break amid the fine scenery. Geranium Argus and Purple-edged Copper were on the wing, *Hugueninia tanacetifolia* and *Hypericum tetrapterum* were added to the list, and Martagon Lilies were in fine flower. Nearby grows a very unusual Tansy, far from typical, it can only be a strange form of *Tanacetum vulgare*.

That evening we enjoyed an excellent last dinner in Limone.

The next morning saw us leaving Limone, having carefully loaded the mini-bus. A quick stop was made to check an impressive labiate I'd spotted in a roadside meadow as we drove, this turned out to be *Nepeta nuda* and it was a striking plant. The transfer day in the alpine zone saw us initially driving down to Borgo San Dalmazzo (Alpine Swifts), along the wide Stura de Demonte Valley, Sta. Anna Valley, to Col de Lombarde, Isola 2000 and Isola in the Tinee Valley.

Having left the main Stura de Demonte Valley, now on minor roads, the roadsides became ever more floriferous. Again we enjoyed cloudless blue skies, and it was hot. At the first, riverside, stop we saw *Cardamine asarifolia*, *Sedum anacampseros*, *Cynoglossum officinale*, and Piedmont Ringlet.

Superb habitat was bursting with flowers. *Lychnis flos-jovis* provided splashes of vivid pink, there was very robust *Campanula spicata*, large flowered *Lamium garganicum*, *Veronica fruticans*, *Luzula nutans*, and *Centaurea nervosa* with its beautiful feathery bracts. *Amata phegea* was again much in evidence, and in flower were *Allium rotundum*, *Minuartia laricifolia*, and *Linaria repens*.

A site a little further on had many of the endemic vanilla orchid *Nigritella corneliana*. In wet flushes *Gentiana rostanii* was still in fine bloom and Bog Violet was in the same wet flushes. Yellow Elder-flowered Orchid was still in perfect flower, a real bonus, one especially robust example growing at the roadside.

Splashes of yellow were provided by *Potentilla grandiflora*, *Dianthus pavonius* was numerous, and *Trifolium alpinum* and Moonwort were in short turf. *Juncus trifidus* was in bud, a beautiful mixture of delicate yellow, pink, and chestnut when in full flower, and my favourite regional plant. *Pseudorchis albida* was in fine form, and *Carex foetida* was very locally common in one gully, the only place we saw it on the tour. The flowery alpine slopes continued with *Pedicularis rostratospicata* numerous, *Ranunculus kuepferi* still commonly in flower, beautiful *Viola calcarata* and *Lloydia serotina*.

In this late season there were few butterflies at this altitude, and none of the usual varied ringlets. Cynthia's Fritillary was our target here, but the strong colony here was simply not yet on the wing. The only butterfly we saw here was Mountain Dappled White, in fine condition.

Just below the Col, a small alpine lake was full of flowering *Sparganium angustifolium*, an uncommon species here but numerous at this site. The flora here was rather backward this year, more so than the sites we'd already visited, due to the exposed situation. The opposite had been the case last year. Alpine Choughs were in the air and Northern Wheatear was typical of the habitat.

This Italian side of the Col de la Lombarde, at about 2,300m, gave fine views of the surrounding peaks, marmots whistling their alarm calls. Plants continued with *Achillea erba-rotta*, *Senecio incanus*, and much *Adenostyles leucophylla* with its distinctive white woolly leaves, typical of the acidic rocks, not in flower, and there were some fine patches of Parsley Fern growing among the outcrops.

Having crossed into France, above the sprawling ski development of Isola 2000 flowery slopes had *Leontodon helveticus*, *Pinguicula vulgaris* rosettes, and *Pedicularis kernerii*. A superb show of *Dactylorhiza fuchsii* coloured whole stretches of the roadside. *Lilium martagon* was in flower, with *Centaurea montana* and *Erysimum virgatum*. 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 today. Nutcrackers called, and Crag Martins flew low over the road.

*Astragalus hypoglottis* flowered at the roadside. Last scheduled stop today was at a site for that most special of endemics, *Saxifraga florulenta*. It's very rare to see it in bloom, although we have once seen it flowering here, this year we at least saw a still spectacular rosette that I had first found here last year. I focused the telescope on it, in fact the first use of the 'scope on all three alpine tours, and reactions were varied, but this really is a superb plant, even with no flower or even flower spike forming, the leaf arrangement in the dense rosette is most impressive.

*Saxifraga paniculata* was here too, the endemic *Silene cordifolia* flowered on cliffs and *Primula marginata* was in fruit. Apollo nectared. We made another short stop to walk a track to allow a very slow truck transporting heavy machinery to get well ahead of us.

Now in the Tinee Valley, most dozed as I drove down towards Nice, through the occasional small village, and once amid striking red limestone rock, turned onto the Valdeblore road and took the winding road to our hotel. We arrived at La Bolline with time to settle in to the comfortable rooms, before enjoying our first excellent dinner in the hotel garden. Situated centrally in the characterful village, it's always a pleasure to return here. The next four nights were spent at this small family run hotel, in a fine location, well situated for all our excursions.

The first full day here was spent visiting a selection of local sites in Valdeblore. Initially we drove towards Col St.Martin, making a short stop so I could buy fresh picnic supplies. The weather was unusually changeable, overcast, with intermittent sun, but there was occasional rain, becoming heavy late morning. A minor road took us above the col where the flora has a Mediterranean influence at a surprisingly high altitude.

*Genista cinerea* was co-dominant in the scrub. *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. Yellow flowered *Ononis striata* and *Ononis natrix* were in flower. *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*, *Linum suffruticosum appressum*, and *Globularia cordifolia*. *Viscum album* was rather common on pines, this the subspecies *austriacum*.

This was a productive area for umbellifers, with much impressive large *Laserpitium gallicum*, the stately *Molopospermum peloponnesiacum* in fruit, and delicate yellow *Bupleurum praealtum*. 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 ahead of us as we walked.

Butterflies were numerous and varied, especially attracted to the abundant *Scabiosa vestita*. Marbled Whites were numerous. Among the blues were Escher's Blue, Mazarine Blue, and Adonis Blue, and Blue-spot Hairstreak nectared. The great fritillary variety began with High Brown Fritillary, Weaver's Fritillary, Knapweed Fritillary, Spotted Fritillary, Heath Fritillary, and Provencal Fritillary. Here too were Pearly Heath, Scarce Swallowtail, Berger's Clouded Yellows, Great Banded Grayling, Rock Grayling, 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.

Plants continued with *Asperula aristata*, the endemic *Euphorbia valloniana*, *Hieracium staticifolium*, *Hieracium pictum*, *Coronilla varia*, *Coronilla minima*, *Aquilegia bertolonii*, *Veronica fruticulosa*, *Polygala calcarea*, *Fumana procumbens*, *Sedum anopetalum*, and *Cirsium eriophorum*. *Gentiana ligustica* had gone over, *Rhamnus alpinus* was in fruit, and Bearberry tumbled across rocks. Wall Brown and Large Wall Brown were both on the wing, and an interesting find was a casualty Eros Blue in a spider's web, the only one we saw.

The plant highlight was superb *Lilium pomponium*, a local endemic, with several in perfect flower. This is a reliable site for this lovely species, which flowers as early as May at lower altitudes. As we were admiring the lilies, five Griffon Vultures appeared over the ridge and we had great views. The next stop produced the hoped for Red Helleborine in fine flower under pines.

There was time before lunch to walk a wooded track, but the sky was cloudy now, the rain had started, and we saw no butterflies. We did add *Bunias orientalis* to the plant list, and *Silene coronaria* was naturalised.

Heavy rain came, and I set the picnic out under the shelter of the raised back door of the mini-bus. This was a riverside site (no water above ground though!) that we've been visiting since the end of the last century (Keith and Eileen with me then too), but the topography has been transformed in recent years due to a major landslide. The river gravels were completely rearranged, the track we used to walk no longer here.

The rain stopped, the sun shone again, and after lunch a stroll along the wooded lane produced many plants in productive forest and along open stretches with fine views of Valdeblore below. Wood White and Cleopatra were on the wing.

Woodland plants included *Campanula trachelium*, *Digitalis lutea*, the attractive purple bracted *Melampyrum velebeticum*, Nodding Wintergreen in fruit, *Geranium nodosum*, *Astragalus glycyphyllos* in fruit, *Euphrasia rostkoviana*, *Calamintha nepeta*, *Saxifraga cuneifolia*, *Pimpinella tragioides*, 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. The variety continued with *Centranthus angustifolius*, *Knautia mollis*, *Carlina acaulis caulescens*, and *Trifolium ochroleucon*. Unpleasant smelling *Sison amomum* was on rocks, and Pyramidal Orchid, Bird's-nest Orchid, and Broad-leaved Helleborine were in flower at the forest edge.

The impressively situated village of Rimplas affords fine views in all directions. Here we walked to the Maginot Line fort. Unfortunately the verges had been mowed this year, inexplicably, and not for the first time. A pity as Isabelle had told me that morning that this year they had not been cut, it must just have happened. The fort environs had also been heavily sanitised. This meant many fewer flowers, therefore nectar sources, close to the road. Nevertheless there was still a great variety, and butterflies were numerous.

Cicadas provided the soundtrack as we walked. Butterflies began with Scarce Swallowtail, Cleopatra, Great Sooty Satyrs, Great Banded Graylings, Blue-spot Hairstreak, Provencal Fritillary, and Weaver's Fritillary. A highlight was two male Meleager's Blues, in fine condition.

The plants here show a strong Mediterranean influence. The hillside scrub had both Prickly and Phoenician Juniper, and St.Lucie's Cherry in fruit. The variety continued with Yellow Chamomile, Spiny Spurge, Shrubby

Plantain, both *Artemisia alba* and *Artemisia chamaemelifolia*, *Hieracium amplexicaule*, and *Echinops sphaerocephalus*. A highlight was several Lizard Orchids in flower, although somewhat going over this year. *Cuscuta epithymum* flourished on *Euphorbia spinosa*. *Centaurea paniculata* was another butterfly favourite. Baton Blue, Dusky Heath, and Lulworth Skipper continued the variety. Having reached the fort a surprise was *Asphodelus fistulosus* in flower in short turf, surely planted here?

Planted flowering lavenders in the centre of the village usually attract a good selection of butterflies and other insects, interestingly many more than the wild *Lavandula angustifolia*, but this year there were very few.

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 layed road now took us into town past half collapsed houses, houses now filled with rocks, and general destruction. Most striking two years ago, the first year I'd seen this damage, 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 has now been demolished.

We first stopped in bustling St.Martin Vesubie, where preparations were underway for Bastille Day. There was time for a stroll in town whilst I shopped for picnic supplies. Poignant were memorials to both the flood and landslide, and to those lost in both world wars.

We negotiated the network of roads in and above the village of Belvedere, and took the road that climbs up the Gordolasque valley. It was crazily busy, this being Sunday, but we managed to get to the top without meeting too many vehicles at the narrowest parts of the road. Parking was the main challenge and I had to drop everyone at the packed upper car park and drive some way down to find a parking spot. Walking back up to join them a couple from Mentone kindly stopped and gave me a lift.

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*, *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 flower, *Sempervivum arachnoideum* and *Sempervivum 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*, *Luzula nivea*, *Veratrum album*, *Potentilla aurea*, *Euphrasia alpina*, *Euphrasia rostkoviana*, *Polygonum alpinum*, *Lamium garganicum*, *Myosotis scorpioides*, *Epilobium palustre*, *Epilobium alsinifolium*, *Erigeron glabratus*, and Frog Orchid. Moonwort was common in one area of turf.

Idas and Silver-studded Blues were both here, Fritillaries were represented by Queen of Spain Fritillary, Pearl-bordered Fritillary, Glanville Fritillary, Knapweed Fritillary, and Heath Fritillary. Lycaenids included Purple-edged Copper, Sooty Copper, Large Blue, Chalk-hill Blue, and Mountain Argus. *Erebias* were notably few this year, as on all the alpine tours, and we saw only Almond-eyed Ringlet and Mountain Ringlet. Orange-tip was still on the wing.

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 symbols.

Rivulets across the track attracted a selection of mud puddling butterflies, including Tufted Marbled Skipper, Grizzled Skipper, Safflower Skipper, 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*, *Hypericum montanum*, and *Erigeron acer*. We had carried our baguettes with us, and we ate at the furthest point of our walk, in the shade by the pristine stream. A rosette of *Saxifraga bryoides* was a good find here.

A wet flush had Grass of Parnassus in leaf, *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*. Apollo was on the wing as I returned to the mini-bus to negotiate turning it around on the busy narrow road.

Back in the vehicles, driving slowly back down the valley, were impressive Large Yellow Foxgloves and fine flowery meadows. At a riverside stop *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*, Parsley Fern, and *Ribes alpinum*.

We stopped to admire an impressive waterfall, and found *Silene armeria*.

On Sunday, 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, *Convolvulus cantabrica*, *Petrorhagia saxifraga*, Pitch Trefoil, and Hop Hornbeam. Lizard Orchids were more or less over.

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. 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, High Brown, Queen-of-Spain, Marbled, Knapweed, Provencal, and Heath. There were several Scarce Coppers. Among blues were Mazarine Blue Holly Blue, and Escher's Blues. Here was the only Arran Brown of the tour, 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*, the endemic umbel *Trochisanthes nodiflora*, *Calamintha grandiflora*, *Scrophularia nodosa*, and Sanicle. A great find was impressive *Boletus satanus* in the woods.

An impressive series of hairpins took us through rocky Mediterranean habitat. Having found a lunch site near Sospel, we saw several new things. Most notable was fine *Epipactis muelleri*, new for the tour on my last visit, and very pleasing to find it again in perfect flower. An interesting selection of plants included Safflower, *Echinops ritro*, *Ajuga chamaepitys*, blue flowered Scarlet Pimpernel, *Scirpoides holoschoenus*, *Bupleurum baldense*, and *Sideritis hyssopifolia*. Sloe Hairstreak was a good find, and Large Red Damselfly was here.

Another Mediterranean influenced site at Luceram had *Verbena officinalis*, *Dorycnium pentaphyllum*, *Centaurium erythraea*, *Catananche caerulea*, *Inula montana*, *Petrorhagia prolifera*, and Tree Heath. Marbled Fritillary was numerous on thistles here, alongside Provencal Fritillary, and Sloe and Blue-spot Hairstreaks. Notable was False Ilex Hairstreak. Common Grayling flew into the van and took some persuasion to fly out again.

Rock Bunting was seen as we drove.

Another site had a few, gone over, *Orobanche amethystea* parasitising *Eryngium campestre*. A yellow broomrape here was apparently *Orobanche lutea*. *Cistus albidus* was in fruit and we found *Linum trigynum*.

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.

The flight on Monday was not until late afternoon so a bonus was time to take a scenic drive along a very minor road, where we saw much of interest. The Mediterranean influence was strong with much *Coriaria myrtifolia*, Pitch Trefoil, *Aphyllanthes monspeliensis*, *Globularia alypum*, *Helichrysum stoechas*, and *Stachelina dubia*. *Cephalaria leucantha* was in fine flower.

*Asperula purpurea* with its small purple flowers was very attractive, *Ononis fruticosa* was in fruit and we saw *Sideritis hirsuta*. Scarce Swallowtail was on the wing.

An ideal roadside picnic site was found to eat our mini quiches and sausage rolls, and a late highlight, seen only by me, was a Two-tailed Pasha.

We continued down the Vesubie Valley, reaching the Var and following it down to Nice Cote d'Azur. There we said our fond farewells, after the three, or two combined tours. I turned around, drove up the Tinee Valley, to Isola, and to Lombarde where I made a short stop in the superb environs, before heading down to the Stura de Demonte, to Cuneo, thence to Turin and home to Coassolo.

# Maritime Alps July 2024 Systematic Lists

Compiled by Paul Cardy

## Itinerary

**Day 1. Sunday 7<sup>th</sup> July.** Arrival in Piemonte from Central Italian Alps. Torino Province. La Mandria. (last day of Central Italian Alps tour)

**Day 2. Monday 8<sup>th</sup> July.** Valli di Lanzo. Mt.Musine. To Limone Piemonte. (first day of Maritime Alps tour)

**Day 3. Tuesday 9<sup>th</sup> July.** Col de Tende

**Day 4. Wednesday 10<sup>th</sup> July.** Entracque, Lake Rovina

**Day 5. Thursday 11<sup>th</sup> July.** Val Sta.Anna, Col de la Lombarde (Col du Lombardie), La Bolline

**Day 6. Friday 12<sup>th</sup> July.** Col St.Martin, La Bolline, Rimplas

**Day 7. Saturday 13<sup>th</sup> July.** St. Martin Vesubie. Gordolasque

**Day 8. Sunday 14<sup>th</sup> July.** La Bollene Vesubie. Col de Turini. Moulinet. Sospel. Luceram.

**Day 9. Monday 15<sup>th</sup> July.** La Tour Sur Tinee. Utelle. Nice. Departure.

# Systematic List Number 1      Plants

The systematic order and nomenclature follow ‘Flora Alpina’ by Aeschimann et al (2004), the standard work for the 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, Biotopie 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 2024. Species seen previously but not this year are annotated with the year in which they were last seen. All species with no year annotation were of course seen in 2024. Isola 2000 is the place, not a year annotation!

## Ferns and Allies

<i>Selaginella helvetica</i>	Swiss Clubmoss	Entracque 2023
<i>Equisetum ramosissimum</i>	Branched Horsetail	Entracque 2023
<i>Equisetum arvense</i>	Common Horsetail	Scattered records
<i>Equisetum telmateia</i>	Great Horsetail	Entracque
<i>Botrychium lunaria</i>	Moonwort	Gordolasque, Col du Lombarde, Tende
<i>Adiantum capillus-veneris</i>	Maidenhair Fern	Day 4, 2023
<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	Sospel area
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	Rimplas, La Bolline, etc.
<i>Asplenium adulterinum</i>	a spleenwort	On serpentine at Chiaves, 2024
<i>Asplenium viride</i>	Green Spleenwort	Tende
<i>Asplenium adiantum-nigrum</i>	Black Spleenwort	Chiaves
<i>Asplenium septentrionale</i>	Forked Spleenwort	Chiaves, Entracque, Sta. Anna
<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, Tende
<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 and Entracque
<i>Polystichum aculeatum</i>	Hard Shield Fern	Entracque
<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 pinaster ssp. hamiltonii</i>	Maritime Pine	Utelle
<i>Pinus sylvestris</i>	Scot’s Pine	Widespread and locally dominant
<i>Pinus mugo ssp. 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
<i>Pinus cembra</i>	Arolla Pine	Local at higher altitudes
<b>Cupressaceae</b>		
<i>Cupressus sempervirens</i>	Italian Cypress	Planted
<i>Juniperus communis</i> ssp. <i>communis</i>	Juniper	Scattered records
<i>Juniperus communis</i> ssp. <i>alpina</i>	Prostrate Juniper	Locally common at higher altitudes
<i>Juniperus oxycedrus</i>	Prickly Juniper	Rimplas
<i>Juniperus phoenicea</i>	Phoenician Juniper	Rimplas
Angiospermae		
Dicotyledons		
<b>Aristolochiaceae</b>		
<i>Asarum europaeum</i>	Asarabacca	In leaf Entracque
<b>Ranunculaceae</b>		
<i>Helleborus foetidus</i>	Stinking Hellebore	Scattered records
<i>Helleborus viridis</i>	Green Hellebore	In leaf at various sites, e.g. Valdeblore
<i>Helleborus niger</i> ssp. <i>niger</i>	Christmas Rose	In leaf Tende woods. Not within its native range.
<i>Trollius europaeus</i>	Globeflower	Lombarde (France)
<i>Actaea spicata</i>	Baneberry	In fruit at Tende and Entracque
<i>Caltha palustris</i>	Marsh Marigold	In fruit 2022
<i>Aconitum lycoctonum</i> ssp. <i>vulparia</i>	Wolfsbane	Moulinet
<i>Aconitum napellus</i>	Monk's-hood	Gordolasque, in leaf
<i>Consolida regalis</i>	Forking Larkspur	Rimplas 2023
<i>Anemone narcissiflora</i>	Narcissus Anemone	In fruit, Col de la Lombarde, 2022
<i>Hepatica nobilis</i>	Hepatica	In leaf at Entracque
<i>Pulsatilla alpina</i>	Alpine Pasque Flower	In seed at Entracque
<i>Clematis vitalba</i>	Traveller's Joy	Widespread and locally common
<i>Clematis recta</i>	Ground Clematis	Sospel area and Mt. Musine
<i>Ranunculus repens</i>	Creeping Buttercup	La Bolline
<i>Ranunculus acris</i>	Meadow Buttercup	Scattered records
<i>Ranunculus montanus</i>	Mountain Buttercup	Common at higher altitudes
<i>Ranunculus villarsii</i>	a mountain buttercup	Col de la Lombarde. Endemic.
<i>Ranunculus aconitifolius</i>	Aconite-leaved Buttercup	Terme di Valdieri 2022
<i>Ranunculus platanifolius</i>	a buttercup	Tende woods
<i>Ranunculus kuepferi</i>	a buttercup	Lombarde (Italy), common in flower this year
<i>Aquilegia bertolonii</i>	a columbine	A few at two sites in Valdeblore
<i>Thalictrum foetidum</i>	Foetid Meadow-rue	In leaf Valdeblore
<i>Thalictrum minus</i>	Lesser Meadow-rue	Lake Rovina
<b>Berberidaceae</b>		
<i>Berberis vulgaris</i>	Barberry	Gorge della Reina
<b>Coriariaceae</b>		
<i>Coriaria myrtifolia</i>	Mediterranean Coriaria	Lower Tinee valley, where numerous

<b>Papaveraceae</b>		
<i>Papaver dubium</i>	Long-headed Poppy	Day 4 2023
<i>Papaver rhoeas</i>	Corn Poppy	Entracque
<i>Chelidonium majus</i>	Greater Celandine	Entracque
<b>Fumariaceae</b>		
<i>Fumaria vaillantii</i>	Few-flowered Fumitory	Entracque arable field 2022
<b>Ulmaceae</b>		
<i>Ulmus glabra</i>	Wych Elm	
<i>Ulmus minor</i>	Small-leaved Elm	
<i>Celtis australis</i>	Nettle Tree	
<b>Cannabaceae</b>		
<i>Humulus lupulus</i>	Hop	
<b>Moraceae</b>		
<i>Ficus carica</i>	Fig	
<b>Urticaceae</b>		
<i>Urtica dioica</i>	Common Nettle	
<i>Parietaria officinalis</i>	Common Pellitory	
<i>Parietaria judaica</i>	Pellitory-of-the-Wall	
<b>Juglandaceae</b>		
<i>Juglans regia</i>	Walnut	
<b>Fagaceae</b>		
<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	
<b>Betulaceae</b>		
<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	
<b>Phytolaccaceae</b>		
<i>Phytolacca americana</i>	Pokeberry	Torino roadsides

### **Chenopodiaceae**

<i>Chenopodium bonus-henricus</i>	Good King Henry	Numerous in eutrophied pasture at Gordolasque
<i>Chenopodium album</i>	Fat-hen	Entracque arable field

### **Amaranthaceae**

<i>Amaranthus retroflexus</i>	Common Amaranth	Entracque arable field
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### **Caryophyllaceae**

<i>Arenaria aggregata</i>	a sandwort	Tende
<i>Arenaria grandiflora</i>	Large-flowered Sandwort	Tende
<i>Arenaria serpyllifolia</i>	Thyme-leaved Sandwort	Entracque and Sta.Anna
<i>Moehringia muscosa</i>	Mossy Sandwort	Entracque 2022
<i>Minuartia rostrata</i>	a sandwort	Tende (France)
<i>Minuartia villarii</i>	a sandwort	Tende old tunnel entrance
<i>Minuartia verna</i>	Spring Sandwort	Scattered records
<i>Minuartia capillacea</i>	a sandwort	Above Col St.Martin, Gordolasque, Tende <i>Minuartia</i>
<i>laricifolia</i>	a sandwort	Local at mid altitudes, e.g. Sta.Anna, and Chiaves
<i>Stellaria nemorum</i>	Wood Stitchwort	Gordolasque
<i>Stellaria media</i>	Chickweed	Scattered records
<i>Stellaria alsine</i>	Bog Stitchwort	Gordolasque 2023
<i>Stellaria graminea</i>	Lesser Stitchwort	Gordolasque
<i>Cerastium tomentosum</i>	Snow-in-Summer	Day 5, naturalised
<i>Cerastium arvense</i>	Field Mouse-ear	Scattered records
<i>Cerastium fontanum ssp.vulgare</i>	Common Mouse-ear	Scattered records
<i>Sagina glabra</i>	Lawn Pearlwort	Val Sta.Anna, Tende, Rovina, Gordolasque
<i>Sagina procumbens</i>	Procumbent Pearlwort	Scattered records
<i>Scleranthus perennis</i>	Perennial Knawel	Gordolasque 2023
<i>Herniaria glabra</i>	Glabrous Rupturewort	Entracque
<i>Spergularia rubra</i>	Sand Spurrey	Val Sta.Anna and Tende 2023
<i>Silene coronaria</i>		Valdeblore, one naturalised plant
<i>Silene flos-jovis</i>	Purple Lychnis	Gordolasque, Val Sta Anna, Entracque, Tende, locally numerous
<i>Silene italica</i>	Italian Catchfly	Tende, Col St.Martin
<i>Silene nutans</i>	Nottingham Catchfly	Widespread
<i>Silene cordifolia</i>	a catchfly	Above Isola, in flower. Endemic.
<i>Silene vulgaris</i>	Bladder Campion	Widespread
<i>Silene campanula</i>	a catchfly	Tende upper rocks, in leaf this year
<i>Silene saxifraga</i>	Tufted Catchfly	Tende
<i>Silene rupestris</i>	Rock Campion	Scattered records, e.g. Gordolasque, Lombarde, Tende
<i>Silene armeria</i>	Sweet-william Catchfly	Lower Gordolasque
<i>Silene latifolia ssp. alba</i>	White Campion	Widespread
<i>Silene dioica</i>	Red Campion	Scattered records
<i>Gypsophila repens</i>	Creeping Gypsophila	Gordolasque 2023
<i>Saponaria ocymoides</i>	Rock Soapwort	Entracque
<i>Saponaria officinalis</i>	Soapwort	Roadsides, locally common
<i>Petrorhagia saxifraga</i>	Tunic Flower	Scattered records, e.g. Rimplas, Entracque
<i>Petrorhagia prolifera</i>	Proliferous Pink	Chiaves

<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 subacaulis</i>	a pink	Tende
<i>Dianthus scaber</i>	a pink	Tende
<b>Polygonaceae</b>		
<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 and Entracque
<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
<i>Rumex obtusifolius</i>	Broad-leaved Dock	
<b>Plumbaginaceae</b>		
<i>Armeria alpina</i>	Mountain Thrift	Tende, Lombarde, Gordolasque
<b>Hypericaceae</b>		
<i>Hypericum coris</i>	Heath-leaved St.John's-wort	Above Col St.Martin, and Tende, in fine flower
<i>Hypericum hirsutum</i>	Hairy St.John's-wort	La Mandria 2024
<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, Gordolasque
<i>Hypericum tetrapterum</i>	Square-stalked St.John's-wort	Lake Rovina 2024
<i>Hypericum xdesetangsii</i>	Des Etangs's St.John's-wort	Valdeblore ( <i>H.maculatum</i> x <i>H.perforatum</i> ). 2023.
<i>Hypericum perforatum</i>	Perforate St.John's-wort	Widespread
<b>Tiliaceae</b>		
<i>Tilia platyphyllos</i>	Large-leaved Lime	
<i>Tilia cordata</i>	Small-leaved Lime	
<b>Malvaceae</b>		
<i>Malva alcea</i>	Hollyhock Mallow	A form with nearly entire leaves in France, 2023
<i>Malva moschata</i>	Musk Mallow	Scattered, e.g. Gordolasque, Entracque
<i>Malva sylvestris</i>	Common Mallow	Lower Turini
<i>Malva neglecta</i>	Dwarf Mallow	La Bolline
<i>Althaea cannabina</i>	a marsh mallow	La Bolline

**Cistaceae**

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

**Violaceae**

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

**Cucurbitaceae**

<i>Bryonia dioica</i>	White Bryony	
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**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	Sta.Anna
<i>Sisymbrium officinale</i>	Hedge Mustard	Gordolasque
<i>Hugueninia tanacetifolia</i>		In fruit at Lake Rovina, 2024
<i>Bunias orientalis</i>	Warty-cabbage	Valdeblore
<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, 2023
<i>Cardamine heptaphylla</i>	Seven-leaflet Bittercress	In fruit at Tende
<i>Cardamine pentaphyllos</i>	Five-leaflet Bittercress	In fruit at Moulinet, 2023
<i>Cardamine asarifolia</i>	Asarum-leaved Bittercress	Val Sta.Anna bridge stop
<i>Cardamine plumieri</i>		Chiaves 2024
<i>Arabis turrata</i>	Tower Cress	In fruit
<i>Arabis alpina</i>	Alpine Rock-cress	Tende, old tunnel entrance
<i>Fourraea alpina</i>		Tende, 2024
<i>Turritis glabra</i>	Tower Mustard	Gordolasque
<i>Lunaria annua</i>	Honesty	In fruit

<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, 2023
<i>Kernera saxatilis</i>	Kernera	Lombarde and Tende 2023
<i>Capsella bursa-pastoris</i>	Shepherd's-Purse	Scattered records
<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>Lepidium campestre</i>	Field Pepperwort	In fruit Day 2
<i>Coincya cheiranthos</i>	Wallflower Cabbage	Sta.Anna
<b>Resedaceae</b>		
<i>Reseda phyteuma</i>	Corn Mignonette	Utelle
<i>Reseda lutea</i>	Wild Mignonette	Entracque and Sta.Anna
<b>Ericaceae</b>		
<i>Erica arborea</i>	Tree Heath	Sospel area
<i>Erica carnea</i>	Winter-flowering Heath	Day 4, 2023
<i>Calluna vulgaris</i>	Ling	Tende (France) etc.
<i>Rhododendron ferrugineum</i>	Alpenrose	Col de la Lombarde, Tende, Gordolasque
<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
<b>Pyrolaceae</b>		
<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.
<b>Primulaceae</b>		
<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 2023
<i>Anagallis arvensis</i>	Scarlet Pimpernel	Blue flowered form, Sospel area
<b>Crassulaceae</b>		
<i>Sempervivum arachnoideum</i>	Cobweb Houseleek	Widespread, both ssp. <i>arachnoideum</i> and ssp. <i>tomentosum</i> locally very common
<i>Sempervivum montanum</i>	Mountain Houseleek	Lombarde, Sta.Anna, Col St.Martin, Gordolasque, Entracque
<i>Sempervivum tectorum</i>	Common Houseleek	Entracque, Sta.Anna, Gordolasque
<i>Jovibarba allionii</i>	a hen-and-chickens houseleek	Rosettes Gordolasque and Sta.Anna. Endemic.
<i>Sedum telephium</i> ssp. <i>maximum</i>	Orpine	Rimplas

<i>Sedum anacampseros</i>	Reddish Stonecrop	Tende, in bud
<i>Sedum anopetalum</i>	Creamish Stonecrop	Widespread and locally common
<i>Sedum montanum</i>	a stonecrop	Locally common
<i>Sedum acre</i>	Biting Stonecrop	Scattered records
<i>Sedum alpestre</i>	a stonecrop	Lombarde and Tende
<i>Sedum sexangulare</i>	a stonecrop	Tende and Entracque
<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 and Tende (France)

### **Saxifragaceae**

<i>Saxifraga stellaris</i>	Starry Saxifrage	In flower at Lombarde 2023
<i>Saxifraga rotundifolia</i>	Round-leaved Saxifrage	Tende old tunnel entrance
<i>Saxifraga cuneifolia</i>	Lesser London Pride	Above Isola, Turini, Moulinet
<i>Saxifraga caesia</i>	Grey Saxifrage	In bud at Tende
<i>Saxifraga callosa</i>	Thick-leaved Saxifrage	Many in superb flower at Tende
<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. 2024, the same rosette at the Isola site.
<i>Saxifraga bryoides</i>		In leaf at Gordolasque, 2024
<i>Saxifraga aizoides</i>	Yellow Mountain Saxifrage	Gordolasque, Lombarde, Tende, in leaf
<i>Saxifraga exarata</i>	Musky Saxifrage	Tende (France)
<i>Parnassia palustris</i>	Grass of Parnassus	In leaf at Gordolasque
<i>Ribes uva-crispa</i>	Gooseberry	Valdeblore
<i>Ribes alpinum</i>	Mountain Currant	Gordolasque

### **Rosaceae**

<i>Spiraea japonica</i>	Japanese Spiraea	Naturalised at La Mandria
<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	Scattered records
<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 tomentella</i>	Round-leaved Dog Rose	

<i>Rosa villosa</i>	Downy Rose	La Bolline
<i>Rosa agrestis</i>	Small-leaved Sweet-briar	Tende
<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	Entracque
<i>Potentilla grandiflora</i>	Large-flowered Cinquefoil	Locally common, e.g. Sta.Anna, Tende, Gordolasque, Entracque
<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, 2023
<i>Fragaria vesca</i>	Wild Strawberry	Scattered
<i>Fragaria moschata</i>	Hautbois Strawberry	Gordolasque
<i>Fragaria viridis</i>	Green Strawberry	Scattered
<i>Duchesnea indica</i>	Yellow-flowered Strawberry	La Mandria
<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. Valdeblore etc.
<i>Malus sylvestris</i>	Wild Apple	
<i>Sorbus aucuparia</i>	Rowan	Common
<i>Sorbus aria</i>	Whitebeam	Widespread
<i>Amelanchier ovalis</i>	Snowy Mespilus	Local in fruit, e.g. Entracque, Tende old tunnel
<i>Cotoneaster horizontalis</i>	Wall Cotoneaster	Naturalised in Valdeblore
<i>Cotoneaster integerrimus</i>	Wild Cotoneaster	Tende
<i>Cotoneaster tomentosus</i>	Brickberry Cotoneaster	Valdeblore
<i>Crataegus monogyna</i>	Hawthorn	Scattered records
<i>Prunus brigantina</i>	Briancon Apricot	Gordolasque lunch site 2023
<i>Prunus cerasifera</i>	Cherry Plum	Cuneo en route to Nice, 2023
<i>Prunus spinosa</i>	Blackthorn	Entracque
<i>Prunus avium</i>	Wild Cherry	Widespread
<i>Prunus mahaleb</i>	St.Lucie's Cherry	Rimplas and Entracque
<b>Fabaceae</b>		
<i>Cercis siliquastrum</i>	Judas Tree	In fruit La Bollene Vesubie

<i>Laburnum anagyroides</i>	Laburnum	Scattered
<i>Laburnum alpinum</i>	Alpine Laburnum	Scattered
<i>Cytisophyllum sessilifolium</i>	a broom	Valdeblore in fruit
<i>Cytisus ardoinoi</i>	Ardoino's Broom	Tende (France)
<i>Genista tinctoria</i>	Dyer's Greenwood	Scattered, e.g. Gordolasque, Tende
<i>Genista cinerea</i>	Ash-coloured Broom	Numerous at Col St.Martin
<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 or 2024.
<i>Spartium junceum</i>	Spanish Broom	Lower roadsides
<i>Robinia pseudacacia</i>	False Acacia	Locally commonly naturalised, e.g. Tinee and Roya Valleys, and in Italy
<i>Astragalus hypoglottis</i> <i>ssp.hypoglottis</i>	Purple Milk-vetch	In flower below Isola 2000
<i>Astragalus glycyphyllos</i>	Wild Liquorice	Valdeblore, Tende, Entracque, etc.
<i>Astragalus monspessulanus</i>	False Vetch	In flower at Tende, in fruit Col St.Martin
<i>Bituminaria bituminosa</i>	Pitch Trefoil	Rimplas and La Tour sur Tinee
<i>Vicia cracca</i>	Tufted Vetch	Scattered records
<i>Vicia hirsuta</i>	Hairy Tare	Entracque 2024
<i>Vicia sativa</i>	Common Vetch	Scattered records
<i>Lathyrus vernus</i>	Spring Pea	In leaf at La Bolline
<i>Lathyrus niger</i>	Black Pea	In leaf Tende forest 2023
<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	Rimplas and Sospel area
<i>Ononis fruticosa</i>	Shrubby Restharrow	Utelle, in fruit, 2024
<i>Ononis natrix</i>	Large Yellow Restharrow	Below Limone Piemonte 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	Torino, Valdeblore, etc.
<i>Ononis repens</i>	Common Restharrow	Torino, Moulinet, Valdeblore, etc.
<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 etc.
<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 and Lombarde
<i>Trifolium campestre</i>	Hop Trefoil	Valdeblore
<i>Trifolium pratense</i>	Red Clover	Widespread
<i>Trifolium medium</i>	Zigzag Clover	Tende and La Bolline

<i>Trifolium alpestre</i>	Alpine Trefoil	Gordolasque
<i>Trifolium rubens</i>	Long-spiked Trefoil	Torino
<i>Trifolium ochroleucon</i>	Sulphur Clover	La Bolline
<i>Dorycnium pentaphyllum</i>	a canary clover	La Tour sur Tinee and Utelle
<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, in flower at Tende
<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	
<i>Onobrychis montana</i>	Mountain Sainfoin	Tende
<i>Onobrychis viciifolia</i>	Sainfoin	Tende and Valdeblore

### **Lythraceae**

<i>Lythrum salicaria</i>	Purple Loosestrife	Roadsides at lower altitudes, La Mandria
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### **Thymeleaceae**

<i>Daphne mezereum</i>	Mezereon	In fruit upper Val Sta.Anna
<i>Daphne laureola</i>	Spurge Laurel	In fruit at Moulinet

### **Onagraceae**

<i>Circaea lutetiana</i>	Enchanter's Nightshade	Entracque and La Mandria
<i>Oenothera biennis</i>	Common Evening Primrose	Gordolasque and lower roadsides
<i>Oenothera glazioviana</i>	Large-flowered Evening Primrose	Lower roadsides
<i>Epilobium angustifolium</i>	Rosebay Willowherb	Widespread and abundant
<i>Epilobium dodonaei</i>	a willowherb	Entracque
<i>Epilobium fleischeri</i>	Alpine Willowherb	La Bolline
<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 and Torino
<i>Epilobium alsinifolium</i>	Chickweed Willowherb	Gordolasque wet flushes

### **Cornaceae**

<i>Cornus sanguinea</i>	Dogwood	
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### **Santalaceae**

<i>Thesium divaricatum</i>	Branched Bastard Toadflax	Valdeblore
<i>Thesium alpinum</i>	Alpine Bastard Toadflax	Lombarde

### **Loranthaceae**

<i>Viscum album ssp.austriacum</i>	Mistletoe	Parasitic on <i>Pinus</i> , e.g. Valdeblore
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**Celastraceae***Euonymus europaeus* Spindle**Buxaceae***Buxus sempervirens* Box Rimplas, La Bolline, etc.**Euphorbiaceae**

*Mercurialis perennis* Dog's Mercury Scattered records  
*Euphorbia maculata* Spotted Spurge Torino, pavement weed  
*Euphorbia dulcis* Sweet Spurge Moulinet and Tende  
*Euphorbia verrucosa* a spurge Torino  
*Euphorbia spinosa* Spiny Spurge Rimplas  
*Euphorbia taurinensis* Turin Spurge La Mandria  
*Euphorbia vallisiana* Vallino Spurge Valdeblore. Endemic.  
*Euphorbia characias* Large Mediterranean Spurge Below Turini

**Rhamnaceae**

*Rhamnus alaternus* Mediterranean Buckthorn Rimplas  
*Rhamnus saxatilis* Rock Buckthorn Tende (France), in fruit  
*Rhamnus cathartica* Buckthorn  
*Rhamnus alpina* Alpine Buckthorn Above Col St.Martin, Tende  
*Frangula alnus* Alder Buckthorn Entracque

**Vitaceae***Parthenocissus* sp. Entracque**Linaceae**

*Linum austriacum* ssp.collinum a flax Sospel 2023  
*Linum trigynum* a flax Torino  
*Linum tenuifolium* a flax Valdeblore and Tende  
*Linum suffruticosum* ssp.appressum a flax Locally numerous Valdeblore, and Tende  
*Linum strictum* a flax Luceram  
*Linum catharticum* Purging Flax Scattered records

**Polygalaceae**

*Polygala nicaeensis* Nice Milkwort Tende, Entracque, Torino  
*Polygala vulgaris* Common Milkwort Gordolasque, Torino, Tende  
*Polygala calcarea* Chalk Milkwort Valdeblore

**Hippocastanaceae***Aesculus hippocastanum* Horse Chestnut**Aceraceae**

*Acer platanoides* Norway Maple  
*Acer campestre* Field Maple  
*Acer pseudoplatanus* Sycamore  
*Acer opalus* Italian Maple Col de Turini

**Anacardiaceae**

<i>Cotinus coggyria</i>	Smoke Tree	Widespread and locally common
<i>Pistachia terebinthus</i>	Terebinth	La Tour sur Tinee

**Simaroubaceae**

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

<i>Oxalis acetosella</i>	Wood Sorrel	In leaf at Moulinet
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**Geraniaceae**

<i>Geranium macrorrhizum</i>	Rock Crane's-bill	Gordolasque
<i>Geranium sanguineum</i>	Bloody Cranesbill	Gordolasque and Turini, 2023
<i>Geranium sylvaticum</i>	Wood Cranesbill	Scattered records
<i>Geranium nodosum</i>	Knotted Cranesbill	Scattered records, e.g. Chiaves
<i>Geranium pyrenaicum</i>	Hedgerow Cranesbill	Scattered records
<i>Geranium columbinum</i>	Long-stalked Cranesbill	Turini and Chiaves
<i>Geranium dissectum</i>	Cut-leaved Cranesbill	Turini
<i>Geranium robertianum</i>	Herb Robert	Valdeblore etc.

**Araliaceae**

<i>Hedera helix</i>	Ivy	
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**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, Luceram, Torino
<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 and Entracque
<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 , Tende
<i>Pimpinella saxifraga</i>	Burnet-saxifrage	Scattered records
<i>Aegopodium podagraria</i>	Ground Elder	Gordolasque etc.
<i>Seseli libanotis</i>	Moon Carrot	Gordolasque
<i>Seseli galloprovinciale</i>	a moon carrot	Scattered records
<i>Seseli annuum</i>	a moon carrot	Scattered records
<i>Foeniculum vulgare</i>	Fennel	Rimplas
<i>Trochiscanthes nodiflora</i>	Trochiscanthes	Tende, several, forest edge, in fine flower, and Moulinet
<i>Meum athamanticum</i>	Spignel	Local at higher altitudes, common at Tende
<i>Bupleurum baldense</i>	Small Hare's-ear	Sospel lunch site 2024
<i>Bupleurum praealtum</i>	a hare's-ear	St.Martin, La Bolline, etc. Very tall at St. Dalmas.

<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 common at Tende
<i>Bupleurum falcatum</i> ssp.cernuum	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	La Bolline
<i>Carum carvi</i>	Caraway	Scattered records
<i>Angelica sylvestris</i>	Wild Angelica	Local by watercourses. In flower Gordolasque.
<i>Peucedanum cervaria</i>	Broad-leaved Spignel	Torino
<i>Peucedanum ostruthium</i>	Masterwort	Locally common, e.g. Gordolasque, Lombarde
<i>Pastinaca sativa</i>	Wild Parsnip	Roadsides
<i>Heracleum sphondylium</i>	Hogweed	Widespread and common
<i>Laserpitium siler</i>	a sermountain	Valdeblore, Tende, Lombarde
<i>Laserpitium latifolium</i>	Broad-leaved Sermountain	Scattered records, e.g. Gordolasque
<i>Laserpitium halleri</i>	a sermountain	Sospel area
<i>Laserpitium gallicum</i>	a sermountain	Scattered records, e.g. above Col St.Martin
<i>Torilis japonica</i>	Upright Hedge-parsley	Scattered records
<i>Orlaya grandiflora</i>	Orlaya	Valdeblore and Entracque
<i>Daucus carota</i>	Wild Carrot	Widespread

#### **Gentianaceae**

<i>Centaureum erythraea</i>	Common Centaury	Luceram and near Torino
<i>Blackstonia perfoliata</i>	Yellow-wort	Day 8
<i>Gentiana lutea</i>	Yellow Gentian	Gordolasque and Tende (France), 2022
<i>Gentiana villarsii</i>	a gentian	In leaf at Col de Lombarde and Entracque. Endemic.
<i>Gentiana asclepiadea</i>	Willow Gentian	In leaf at Entracque
<i>Gentiana cruciata</i>	Cross Gentian	Entracque, just in flower.
<i>Gentiana ligustica</i>	a trumpet gentian	Col St.Martin, in fruit.
<i>Gentiana acaulis</i>	Trumpet Gentian	Many in flower at Col de la Lombarde
<i>Gentiana rostarii</i>	a gentian	Col de la Lombarde, in flower. Endemic.
<i>Gentiana campestris</i>	Field Gentian	Tende (France)

#### **Asclepiadaceae**

<i>Vincetoxicum hirundinaria</i>	Swallowwort	Widespread
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#### **Solanaceae**

<i>Atropa bella-donna</i>	Deadly Nightshade	Some very large plants at Col de Turini, but not seen 2024
<i>Solanum dulcamara</i>	Bittersweet	A few records

#### **Convolvulaceae**

<i>Cuscuta europaea</i>	Greater Dodder	Gordolasque and Tende (France)
<i>Cuscuta epithimum</i>	Dodder	Val Sta.Anna and Rimplas (where common on <i>Euphorbia spinosa</i> )
<i>Calystegia sepium</i>	Hedge Bindweed	Lower roadsides
<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 alpestris</i>	Alpine Forget-me-not	Lombarde
<i>Myosotis scorpioides</i>	Water Forget-me-not	Gordolasque and Sta.Anna
<i>Cynoglossum officinale</i>	Hound's-tongue	Entracque and Sta.Anna

**Verbenaceae**

<i>Verbena officinalis</i>	Vervain	A few records
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**Lamiaceae**

<i>Ajuga genevensis</i>	Geneva Bugle	Entracque
<i>Ajuga chamaepitys</i>	Ground Pine	Sospel area
<i>Teucrium scorodonia</i>	Wood-sage	Scattered records, e.g. Entracque
<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, Entracque, Utelle
<i>Scutellaria alpina</i>	Alpine Skullcap	Tende (F) and Sta.Anna
<i>Sideritis hirsuta</i>	a sideritis	Lower altitudes
<i>Sideritis hyssopifolia</i>	a sideritis	Sospel area
<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, Tende
<i>Lamium maculatum</i>	Spotted Dead-nettle	Gordolasque
<i>Lamium galeobdolon ssp.flavidum</i>	Yellow Archangel	Entracque
<i>Ballota nigra</i>	Black Horehound	
<i>Stachys pradica</i>	a betony	Gordolasque
<i>Stachys officinalis</i>	Betony	Tende
<i>Stachys heraclea</i>	a woundwort	Luceram, 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	In leaf at Tende
<i>Nepeta nuda</i>	a catmint	In flower in a meadow near Limone Piemonte, new in 2024
<i>Prunella laciniata</i>	Cut-leaved Self-heal	In flower at 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, 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, upper Entracque
<i>Calamintha nepeta</i>	Lesser Calamint	Valdeblore
<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 at lower altitudes
<i>Thymus praecox</i>	Hairy Thyme	Common and widespread
<i>Thymus pulegioides</i>	Larger Wild Thyme	Common and widespread
<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	Scattered in leaf
<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</i> ssp. <i>serpentina</i>	Fleshy Plantain	Scattered records, e.g. Valdeblore, Chiaves
<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

### **Buddlejaceae**

<i>Buddleja davidii</i>	Buddleia	Widely naturalised on river gravels
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### **Oleaceae**

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

### **Scrophulariaceae**

<i>Gratiola officinalis</i>	Hedge-hyssop	Near Torino, new in 2024
<i>Limosella aquatica</i>	Mudwort	A few plants on the shore of the Lombarde Lake (PGC). Not confirmed for Cuneo in Flora Alpina.

<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	Torino, Tende, Moulinet, Sta. Anna, etc.
<i>Scrophularia canina</i>	French Figwort	Chiaves, Tende, Entracque, Valdeblore
<i>Antirrhinum latifolium</i>	Snapdragon	Widespread in France and Italy

<i>Chaenorhinum rubrifolium</i>	a toadflax	Gordolasque
<i>Chaenorhinum minus</i>	Small Toadflax	Scattered records
<i>Linaria repens</i>	Pale Toadflax	Tende, Sta.Anna, etc.
<i>Linaria angustissima</i>	a toadflax	Tende (France)
<i>Linaria supina</i>	Prostrate Toadflax	Tende, 2023
<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 and Lombarde
<i>Veronica urticifolia</i>	Nettle-leaved Speedwell	Tende woods
<i>Veronica officinalis</i>	Heath Speedwell	Scattered forest records
<i>Veronica allionii</i>	a speedwell	Tende (France). Endemic.
<i>Veronica chamaedrys</i>	Germander Speedwell	Scattered records
<i>Veronica beccabunga</i>	Brooklime	Gordolasque and La Bolline
<i>Veronica arvensis</i>	Wall Speedwell	Tende
<i>Veronica anagallis-aquatica</i>	Blue Water-speedwell	Gordolasque, 2023
<i>Veronica persica</i>	Common Field-speedwell	Scattered
<i>Pseudolysimachion spicatum</i>	Spiked Speedwell	Several at one site near Torino
<i>Melampyrum velebiticum</i>	a cow-wheat	Valdeblore and Moulinet Forest
<i>Melampyrum sylvaticum</i>	Small Cow-wheat	Forests
<i>Euphrasia rostkoviana</i>	Common Eyebright	Gordolasque and Valdeblore
<i>Euphrasia alpina</i>	Alpine Eyebright	Tende (F) and Gordolasque
<i>Euphrasia salisburgensis</i>	Irish Eyebright	Tende (I).
<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> <i>ssp.helvetica</i>	Flesh-pink Lousewort	Stem with two lines of hairs (Flora Helvetica) Pink flowers long beaked. Col de la Lombarde, where numerous.
<i>Pedicularis kernerii</i>	a lousewort	Lombarde
<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, e.g. Tende (F)
<i>Rhinanthus alectrolophus</i>	Greater Yellow Rattle	Widespread
<b>Globulariaceae</b>		
<i>Globularia alypum</i>	Globe-daisy	La Tour sur Tinee, in fruit, 2024
<i>Globularia cordifolia</i>	Heart-leaved Globularia	In flower Tende
<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. In 2024, three species were seen. Others listed here have been seen on the tour in the past on similar dates.

*Orobanche purpurea* Yarrow Broomrape

<i>Orobanche alba</i>	Thyme Broomrape	Tende (France), 2024
<i>Orobanche amethystea</i>	Amethyst Broomrape	On <i>Eryngium campestre</i> in France, mostly over, 2024
<i>Orobanche minor</i>	Common Broomrape	
<i>Orobanche hederiae</i>	Ivy Broomrape	
<i>Orobanche caryophyllacea</i>	Bedstraw Broomrape	
<i>Orobanche teucrii</i>	Germander Broomrape	Tende (Italy), 2024
<i>Orobanche lutea</i>	a broomrape	Possibly this at Luceram, 2024
<i>Orobanche salviae</i>	a broomrape	
<i>Orobanche rapum-genistae</i>	Greater Broomrape	
<b>Lentibulariaceae</b>		
<i>Pinguicula vulgaris</i>	Common Butterwort	Col de la Lombarde
<b>Campanulaceae</b>		
<i>Campanula patula</i>	Spreading Bedstraw	Entracque
<i>Campanula rapuncululus</i>	Rampion Bellflower	Torino area
<i>Campanula persicifolia</i>	Peach-leaved Bellflower	Turini roadsides
<i>Campanula medium</i>	Canterbury Bells	Scattered records, e.g. Moulinet, not seen 2024
<i>Campanula glomerata</i>	Clustered Bellflower	Scattered records, not seen 2024
<i>Campanula spicata</i>	Spiked Bellflower	Locally common, e.g. Gordolasque and Sta. Anna, where especially fine
<i>Campanula latifolia</i>	Giant Bellflower	Entracque
<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	Not seen 2024
<i>Campanula bertolae</i>	a bellflower	Torino. Endemic.
<i>Campanula cochlearifolia</i>	Fairy's Thimble	Tende
<i>Campanula stenocodon</i>	Cottian Bellflower	Tende, 2023. Endemic.
<i>Campanula scheuchzeri</i>	a bellflower	Scattered records, e.g. Gordolasque
<i>Campanula rotundifolia</i>	Harebell	Widespread and common
<i>Phyteuma ovatum</i>	Dark Rampion	Tende, Sta. Anna
<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 and Tende
<i>Phyteuma orbiculare</i>	Round-headed Rampion	Tende, locally common
<i>Phyteuma globulariifolium</i>		Lombarde rocks 2023
<i>ssp. pedemontanum</i>		
<i>Jasione montana</i>	Mountain Sheepsbit	Entracque
<b>Rubiaceae</b>		
<i>Asperula aristata</i>	a squinancywort	Scattered records
<i>Asperula cynanchica</i>	Squinancywort	Scattered records
<i>Asperula purpurea</i>	a woodruff	Utelle
<i>Galium verum</i>	Lady's Bedstraw	Scattered records
<i>Galium xpomeranicum</i>		Gordolasque. <i>Galium album x verum</i> . 2023.
<i>Galium mollugo</i>	Hedge Bedstraw	Scattered records
<i>Galium album</i>	Upright Hedge-bedstraw	Scattered records

<i>Galium laevigatum</i>	a bedstraw	Tende woodland
<i>Galium obliquum</i>	a bedstraw	Col St.Martin, La Bolline, Day 8
<i>Galium rubrum</i>	a bedstraw	Tende 2023
<i>Galium pumilum</i>	Slender Bedstraw	Scattered records
<i>Galium tendae</i>	a bedstraw	Gordolasque, 2023. 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	Day 5
<i>Rubia peregrina</i>	Wild Madder	Sospel area, 2023
<b>Caprifoliaceae</b>		
<i>Sambucus ebulus</i>	Dwarf Elder	In flower Sospel and Entracque
<i>Sambucus nigra</i>	Elder	Scattered
<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>Viburnum lantana</i>	Wayfaring Tree	La Mandria
<i>Lonicera xylosteum</i>	Fly Honeysuckle	In fruit, e.g. La Mandria
<i>Lonicera japonica</i>	Japanese Honeysuckle	Naturalised near Torino
<i>Lonicera etrusca</i>	Etruscan Honeysuckle	Rimplas
<b>Valerianaceae</b>		
<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
<i>Centranthus angustifolius</i>		La Bolline, new in 2024
<b>Dipsacaceae</b>		
<i>Cephalaria leucantha</i>	a cephalaria	La Tour sur Tinee
<i>Dipsacus fullonum</i>	Teasel	Lower roadsides
<i>Dipsacus laciniatus</i>	Cut-leaved Teasel	Lower roadsides
<i>Knautia mollis</i>	a scabious	La Bolline. Endemic.
<i>Knautia arvensis</i>	Field Scabious	Scattered
<i>Knautia integrifolia</i>	a scabious	Scattered
<i>Scabiosa triandra</i>	a scabious	Local, e.g. Tende
<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
<b>Asteraceae</b>		
<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, not in flower
<i>Solidago gigantea</i>	Early Goldenrod	Torino, not in flower
<i>Bellis perennis</i>	Daisy	Entracque
<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 very common
<i>Erigeron karvinskianus</i>	Mexican Fleabane	Walls, e.g. Moulinet
<i>Erigeron acer</i>	Blue Fleabane	Tende
<i>Erigeron atticus</i>	Greek Fleabane	Gordolasque
<i>Erigeron gaudinii</i>	a fleabane	Below Isola 2000, 2023
<i>Erigeron alpinus</i>	Alpine Fleabane	Tende
<i>Conyza canadensis</i>	Canadian Fleabane	
<i>Micropus erectus</i>		
<i>Gnaphalium sylvaticum</i>	Heath Cudweed	Entracque
<i>Gnaphalium norvegicum</i>	Highland Cudweed	Tende, 2023
<i>Helichrysum stoechas</i>	Shrubby Everlasting	La Tour sur Tinee
<i>Antennaria dioica</i>	Cat's Foot	Local at higher altitudes
<i>Phagnalon saxatile</i>		In fruit lower Valdeblore
<i>Inula spiraeifolia</i>	an inula	Near Torino
<i>Inula montana</i>	Mountain Inula	Luceram
<i>Inula conyzae</i>	Ploughman's Spikenard	Col St.Martin
<i>Bupthalmum salicifolium</i>	Yellow Ox-eye	Scattered records
<i>Pallenis spinosa</i>	Golden Starwort	La Tour sur Tinee
<i>Ambrosia artemisiifolia</i>	Ragweed	La Mandria
<i>Xanthium spinosum</i>	Spiny Cocklebur	Luceram, new in 2023
<i>Galinsoga ciliata</i>	Shaggy Soldier	
<i>Anthemis tinctoria</i>	Yellow Chamomile	Rimplas
<i>Achillea erba-rotta</i> ssp. <i>erba-rotta</i>	Simple-leaved Milfoil	Col de Lombarde and Tende
<i>Achillea stricta</i>		
<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, atypical plants
<i>Tanacetum corymbosum</i>	a tansy	Valdeblore 2023
ssp. <i>corymbosum</i>		
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	Widespread
<i>Leucanthemum atratum</i>	an ox-eye daisy	Tende
<i>ceratophylloides</i>		
<i>Leucanthemum discoideum</i>	Rayless Ox-eye Daisy	This very attractive near endemic was in flower at the Col de Turini, and Utelle
<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
<i>Artemisia chamaemelifolia</i>	a wormwood	Valdeblore
<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	Gordolasque
<i>Adenostyles glabra</i>	an adenostyles	Col de Turini

<i>Adenostyles leucophylla</i>	an adenostyles	Common on the Italian side of Col de Lombarde, in bud this year
<i>Arnica montana</i>	Arnica	Scattered at higher altitudes, e.g. Tende
<i>Senecio cineraria</i>	Silver Ragwort	Lower Vesubie Valley, in fruit
<i>Senecio incanus ssp.incanus</i>	Hoary Groundsel	Col de la Lombarde, in leaf this year
<i>Senecio ovatus ssp.alpestris</i>	a Wood Ragwort	Scattered records
<i>Senecio doronicum</i>	Chamois Ragwort	Lombarde
<i>Senecio rupestris</i>	Oxford Ragwort	Above Isola
<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.
<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	La Bolline
<i>Echinops sphaerocephalus</i>	a globe thistle	Rimplas and Sospel area
<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>Staehelina dubia</i>	Staehelina	In fruit La Tour sur Tinee
<i>Carduus nigrescens</i>	a thistle	Sospel area
<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, not in flower this year
<i>Cirsium acaule</i>	Dwarf Thistle	Col St.Martin and Entracque, 2023
<i>Cirsium monspessulanum</i>		Noted in leaf
<i>Cirsium arvense</i>	Creeping Thistle	Limone Piemonte
<i>Picnomon acarna</i>		Between La Tour sur Tinee and Utelle, 2024
<i>Onopordum acanthium</i>	Scotch Thistle	Cuneo
<i>Leuzea conifera</i>		A few below Turini, 2023
<i>Centaurea scabiosa</i>	Greater Knapweed	Widespread and common
<i>Centaurea paniculata</i>	Jersey Knapweed	Rimplas
<i>Centaurea leucophaea</i>	Whitish-leaved Knapweed	Valdeblore and Sospel area
<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, Chiaves, and Sta.Anna
<i>Centaurea montana</i>	Mountain Cornflower	Gordolasque and Lombarde
<i>Carthamus lanatus</i>	Downy Safflower	Sospel lunch site and La Tour sur Tinee
<i>Cichorium intybus</i>	Chicory	Roadsides
<i>Catananche caerulea</i>	Cupidone	Moulinet, Luceram, and Utelle
<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 and Tende
<i>Picris echioides</i>	Bristly Oxtongue	Scattered records

<i>Picris hieracioides</i>	Hawkweed Oxtongue	Valdeblore etc.
<i>Tragopogon pratensis</i>	Goat's-beard	A few records
<i>Lactuca serriola</i>	Prickly Lettuce	Valdeblore etc.
<i>Lactuca virosa</i>	Great Lettuce	Above Col St.Martin, 2023
<i>Lactuca perennis</i>	Perennial Lettuce	Col St.Martin and Sta.Anna
<i>Cicerbita alpina</i>	Alpine Sow-thistle	Tende, locally common
<i>Prenanthes purpurea</i>	Purple Rattlesnake-root	Tende and Entracque, in bud
<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
<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		
<b>Juncaginaceae</b>		
<i>Triglochin palustris</i>	Marsh Arrowgrass	Lombarde (I), 2023
<b>Juncaceae</b>		
<i>Juncus jacquini</i>	a rush	In bud at Lombarde. One of the most beautiful plants in the area when in flower.
<i>Juncus filiformis</i>	Thread Rush	
<i>Juncus inflexus</i>	Hard Rush	
<i>Juncus effusus</i>	Soft Rush	
<i>Juncus conglomeratus</i>	Compact Rush	Gordolasque and Tende (France)
<i>Juncus trifidus</i>	Three-leaved Rush	Col de la Lombarde, in bud
<i>Juncus monanthos</i>	a three-leaved rush	Gordolasque and Lombarde, in bud
<i>Juncus compressus</i>	Round-fruited Rush	

<i>Juncus tenuis</i>	Slender Rush	
<i>Juncus bufonius</i>	Toad Rush	Gordolasque
<i>Juncus bulbosus</i>	Bulbous Rush	Gordolasque
<i>Juncus acutiflorus</i>	Sharp-flowered Rush	Scattered, e.g. Gordolasque
<i>Juncus alpinoarticulatus</i>	Alpine Rush	
<i>Juncus articulatus</i>	Jointed Rush	Scattered. e.g. Gordolasque
<i>Luzula campestris</i>	Field Wood-rush	
<i>Luzula multiflora</i>	Heath Wood-rush	Scattered
<i>Luzula spicata</i>	Spiked Wood-rush	Lombarde
<i>Luzula nutans</i>	a wood-rush	Val Sta.Anna
<i>Luzula nivea</i>	Snow-white Wood-rush	Widespread and locally common
<i>Luzula pedemontana</i>	Piedmont Wood-rush	Scattered
<i>Luzula alpinopilosa</i>	a wood-rush	Upper Val Sta.Anna, Gordolasque, Tende

### **Cyperaceae**

<i>Scirpus sylvaticus</i>		Common in wet flushes at Valdieri, 2022
<i>Scirpoides holoschoenus</i>	Round-headed Club Rush	Sospel lunch site and La Mandria
<i>Trichophorum caespitosum</i>	Deergrass	Col de Lombarde and Gordolasque
<i>Blysmus compressus</i>	Flat-sedge	Gordolasque
<i>Eriophorum angustifolium</i>	Common Cotton-grass	Col de la Lombarde
<i>Eriophorum latifolium</i>	Broad-leaved Cotton-grass	Gordolasque and Val Sta.Anna
<i>Schoenus nigricans</i>	Black Bog-rush	Torino
<i>Carex spicata</i>	Spiked Sedge	
<i>Carex pairae</i>	Common Prickly Sedge	Scattered records, e.g. Tende
<i>Carex foetida</i>	a sedge	Common at two sites at Col de Lombarde
<i>Carex leporina</i>	Oval Sedge	Scattered records
<i>Carex echinata</i>	Star Sedge	Gordolasque and Lombarde
<i>Carex brunnescens</i>	a sedge	By the lake at Col de Lombarde, 2023
<i>Carex curvula</i>	a sedge	
<i>Carex sylvatica</i>	Wood Sedge	Moulinet and Entracque
<i>Carex capillaris</i>	Hair Sedge	Lombarde 2023
<i>Carex flacca</i>	Glaucous Sedge	Scattered records
<i>Carex panicea</i>	Carnation Sedge	Gordolasque
<i>Carex flava</i>	Large Yellow Sedge	Lombarde 2023
<i>Carex lepidocarpa</i>	Long-stalked Yellow Sedge	Gordolasque and Lombarde 2023
<i>Carex pallescens</i>	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 flavescens</i>	a fescue
<i>Festuca rubra</i>	Red Fescue
<i>Festuca laevigata</i>	a fescue

<i>Festuca</i> spp.	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>Trisetum flavescens</i>	Yellow Oat-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 angustifolium</i>	Floating Bur-reed	Filling the lake on the Italian side of the Col de la Lombarde
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### **Liliaceae**

<i>Tofieldia calyculata</i>	Tofield's Asphodel	Gordolasque and below Isola 2000, 2023
<i>Veratrum album</i>	White False Helleborine	Locally common, in leaf
<i>Asphodelus fistulosus</i>	Hollow-leaved Asphodel	A few in turf at Rimplas Fort
<i>Anthericum liliago</i>	St. Bernard's Lily	Sta. Anna, Tende, Valdeblore
<i>Paradisea liliastrum</i>	St. Bruno's Lily	Tende and Lombarde
<i>Aphyllanthes monspeliensis</i>		In fruit in La Tour sur Tinee area
<i>Hemerocallis fulva</i>	Orange Day-Lily	Naturalised at Valdieri, 2022
<i>Colchicum autumnale</i>	Meadow Saffron	Previous years fruits
<i>Lloydia serotina</i>	Snowdon Lily	Lombarde
<i>Lilium martagon</i>	Martagon Lily	Entracque, Val Sta. Anna, Tende, Gordolasque
<i>Lilium bulbiferum</i>	Orange Lily	Tende
<i>Lilium pomponium</i>	Little Turk's Cap Lily	Several in superb flower at Col St. Martin was a tour highlight. Endemic.
<i>Ornithogalum gussonei</i>	a star-of-bethlehem	One plant in flower Tende (France)
<i>Allium narcissiflorum</i>		Several plants at Tende in superb flower. Endemic.
<i>Allium schoenoprasum</i>	Chives	In bud at Lombarde
<i>Allium paniculatum</i>		Gordolasque 2023
<i>Allium oleraceum</i>	Field Garlic	Tende (Italy)

<i>Allium rotundum</i>	a leek	Entracque, Col St.Martin
<i>Allium sphaerocephalon</i>	Round-headed Leek	Scattered records 2023
<i>Allium vineale</i>	Wild Onion	Gordolasque and Day 8, in bud
<i>Streptopus amplexifolius</i>	Streptopus	Several in bud in Tende woods
<i>Polygonatum verticillatum</i>	Whorled Solomon's Seal	Tende, in leaf
<i>Polygonatum multiflorum</i>	Solomon's Seal	Entracque
<i>Polygonatum odoratum</i>	Angular Solomon's Seal	Tende and Entracque
<i>Paris quadrifolia</i>	Herb Paris	Woodland edge at Tende, also on exposed rocks there! Also Moulinet Forest and Entracque.
<i>Asparagus acutifolius</i>	Sharp-leaved Asparagus	Day 4 2023
<b><i>Iridaceae</i></b>		
<i>Crocus albiflorus</i>		In leaf at Lombarde 2023
<b><i>Dioscoreaceae</i></b>		
<i>Tamus communis</i>	Black Bryony	
<b><i>Orchidaceae</i></b>		
<i>Epipactis helleborine</i>	Broad-leaved Helleborine	Valdeblore, Moulinet, Entracque, etc.
<i>Epipactis muelleri</i>	a helleborine	A few at the Sospel lunch site, 2023 and 2024
<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 at La Bolline
<i>Listera ovata</i>	Common Twayblade	Tende and Valdeblore
<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 in fine flower
<i>Nigritella rhellicani</i>	a vanilla orchid	Several at Tende (France)
<i>Nigritella corneliana</i>	a vanilla orchid	Many at Col de la Lombarde, in fine flower. Also Tende. Endemic.
<i>Coeloglossum viride</i>	Frog Orchid	Lombarde and Tende
<i>Dactylorhiza sambucina</i>	Elder-flowered Orchid	Still in fine flower at Lombarde, yellow flowered form
<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 (France)
<i>Himantoglossum hircinum</i>	Lizard Orchid	Still just in flower at Rimplas, and near La Bollene Vesubie
<i>Anacamptis pyramidalis</i>	Pyramidal Orchid	In flower at Entracque and La Bolline

## Systematic List Number 2      Butterflies

The taxonomic order and nomenclature follow Tolman and Lewington's 'Butterflies of Britain and Europe'. Species added this year are annotated 2024. Species not seen this year are annotated with the year in which they were last seen. Of course all species with no year annotation were seen this year.

### *Papilionidae*

Swallowtail	<i>Papilio machaon</i>	Widespread in small numbers, seen on 6 days
Scarce Swallowtail	<i>Iphiclides podalirius</i>	Widespread in small numbers, seen on 5 days
Apollo	<i>Parnassius apollo</i>	Gordolasque and Val Sta. Anna

### *Pieridae*

Large White	<i>Pieris brassicae</i>	Scattered records
Black-veined White	<i>Aporia crataegi</i>	Scattered records, seen on 5 days
Small White	<i>Artogeia rapae</i>	Widespread
Southern Small White	<i>Artogeia manni</i>	Usually at Gorge della Reina, not seen 2024
Green-veined White	<i>Artogeia napi</i>	Scattered records
Mountain Green-veined White	<i>Artogeia bryoniae</i>	Entracque
Mountain Dappled White	<i>Euchloe simplonia</i>	1 at Lombarde, 2024
Orange-tip	<i>Anthocharis cardamines</i>	Males still on the wing at Tende, Sta. Anna, and Gordolasque
Mountain Clouded Yellow	<i>Colias phicomone</i>	Usually at Lombarde, not seen 2024
Clouded Yellow	<i>Colias crocea</i>	Widespread in small numbers, seen on 7 days
Pale Clouded Yellow	<i>Colias hyale</i>	Sta. Anna
Berger's Clouded Yellow	<i>Colias alfacariensis</i>	Valdeblore and Gordolasque
Brimstone	<i>Gonepteryx rhamni</i>	Widespread, seen on 7 days
Cleopatra	<i>Gonepteryx cleopatra</i>	Widespread, seen on 6 days
Wood White	<i>Leptidea sinapis</i>	Widespread in small numbers

### *Lycaenidae*

Purple Hairstreak	<i>Quercusia quercus</i>	Entracque, 2023
Sloe Hairstreak	<i>Satyrium acaciae</i>	A few in the Sospel area
False Ilex Hairstreak	<i>Satyrium esculi</i>	Sospel area
Blue-spot Hairstreak	<i>Satyrium spini</i>	Valdeblore and Sospel area
White-letter Hairstreak	<i>Satyrium w-album</i>	1 in the Sospel area. 2023
Green Hairstreak	<i>Callophrys rubi</i>	Moulinet Forest and Sospel area, 2023
Small Copper	<i>Lycaena phlaeas</i>	Entracque and Sta. Anna
Scarce Copper	<i>Lycaena virgaureae</i>	Moulinet Forest
Sooty Copper	<i>Lycaena tityrus</i>	Seen on three days, <i>ssp. subalpina</i> at Entracque
Purple-shot Copper	<i>Lycaena alciphron</i>	Val Sta. Anna and Sospel area, in fine condition
Purple-edged Copper	<i>Lycaena hippothoe</i>	Gordolasque and Entracque, <i>ssp. eurydame</i>
Lang's Short-tailed Blue	<i>Leptotes pirithous</i>	Above Col St. Martin, 2023
Little Blue	<i>Cupido minimus</i>	Scattered records
Holly Blue	<i>Celastrina argiolus</i>	Sospel area
Green-underside Blue	<i>Glaucopsyche alexis</i>	1 at Tende, 2024
Mountain Alcon Blue	<i>Maculinea rebeli</i>	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, 2023
Large Blue	<i>Maculinea arion</i>	Gordolasque, Entracque, and Day 8
Baton Blue	<i>Pseudophilotes baton</i>	Valdeblore and Day 8
Silver-studded Blue	<i>Plebejus argus</i>	Scattered records, seen on 4 days
Idas Blue	<i>Plebejus idas</i>	Scattered records, seen on 6 days
Reverdin's Blue	<i>Plebejus argyrognomon</i>	Possibly an individual of this species at Gordolasque
Geranium Argus	<i>Eumedonia eumedon</i>	Lake Rovina
Brown Argus	<i>Aricia agestis</i>	A few records
Mountain Argus	<i>Aricia artaxerxes</i>	Val Sta. Anna, Entracque, Valdeblore, Day 8
Mazarine Blue	<i>Cyaniris semiargus</i>	Widespread
Ripart's Anomalous Blue	<i>Agrodiaetus ripartii</i>	Upper Entracque, 2023
Escher's Blue	<i>Agrodiaetus escheri</i>	Seen on 6 days
Amanda's Blue	<i>Agrodiaetus amanda</i>	Seen on 2 days in Italy
Turquoise Blue	<i>Plebicula dorylus</i>	Val Sta. Anna, 2023
Chalk-hill Blue	<i>Lysandra coridon</i>	Scattered records, seen on 3 days, 2023
Adonis Blue	<i>Lysandra bellargus</i>	Widespread, seen on 6 days
Meleager's Blue	<i>Meleageria daphnis</i>	Two males at Rimplas, 2023
Common Blue	<i>Polyommatus icarus</i>	Widespread in small numbers
Eros Blue	<i>Polyommatus eros</i>	1 at Col St. Martin, in a spider's web, 2024

## ***Riodinidae***

Duke of Burgundy	<i>Hamearis lucina</i>	Tende, 2024
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## ***Nymphalidae***

Two-tailed Pasha	<i>Charaxes jasius</i>	One at the lunch stop on the last day, 2024
Purple Emperor	<i>Apatura iris</i>	Fine at upper Entracque, also on the arrival day in France below Lombarde, 2023
Lesser Purple Emperor	<i>Apatura ilia</i>	2 at upper Entracque, 2023
Southern White Admiral	<i>Limnitis reducta</i>	Sospel and Entracque
White Admiral	<i>Limnitis camilla</i>	La Mandria and Entracque
Large Tortoiseshell	<i>Nymphalis polychloros</i>	Lombarde, 2023
Camberwell Beauty	<i>Nymphalis antiopa</i>	Entracque 2024
Peacock	<i>Inachis io</i>	Gordolasque, 2023
Red Admiral	<i>Vanessa atalanta</i>	A few records, seen on 3 days
Painted Lady	<i>Vanessa cardui</i>	Seen on 2 days in Italy
Small Tortoiseshell	<i>Aglais urticae</i>	Gordolasque
Comma	<i>Polygonia c-album</i>	Entracque and Day 8
Silver-washed Fritillary	<i>Argynnis paphia</i>	Scattered, seen on 3 days, form <i>valesina</i> seen too (sometimes spelt <i>valezina</i> ).
Dark Green Fritillary	<i>Argynnis aglaja</i>	Only at Entracque this year
High Brown Fritillary	<i>Argynnis adippe</i>	Scattered records, seen on 3 days, including form <i>cleodoxa</i>
Niobe Fritillary	<i>Argynnis niobe</i>	Gordolasque and Moulinet, 2023
Queen-of-Spain Fritillary	<i>Issoria lathonia</i>	Scattered records, seen on 3 days
Twin-spot Fritillary	<i>Brenthis hecate</i>	Near Torino
Marbled Fritillary	<i>Brenthis daphne</i>	Entracque, and numerous in Sospel area
Titania's Fritillary	<i>Clossiana titania</i>	Scattered records, seen on 3 days, 2023
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>	Tende, Gordolasque
Knapweed Fritillary	<i>Melitaea phoebe</i>	Tende, Valdeblore, Moulinet, Entracque, Gordolasque
Spotted Fritillary	<i>Melitaea didyma</i>	Torino, Entracque, Valdeblore
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. 2023.
False Heath Fritillary	<i>Melitaea diamina</i>	Torino and Entracque
Heath Fritillary	<i>Mellicta athalia</i>	Widespread and very common, seen daily
Provençal Fritillary	<i>Mellicta deione</i>	Valdeblore and Sospel
Grisons Fritillary	<i>Mellicta varia</i>	Tende (Col)
Nickerl's Fritillary	<i>Mellicta aurelia</i>	Entracque
Cynthia's Fritillary	<i>Hypodryas cynthia</i>	A colony at Lombarde, not seen 2023

## Satyridae

Marbled White	<i>Melanargia galathea</i>	Widespread and very common
Rock Grayling	<i>Hipparchia alcyone</i>	On 2 days in France, 2023
Woodland/Rock Grayling	<i>Hipparchia fagi/alcyone</i>	One or both of these species seen on two days in France
Common Grayling	<i>Hipparchia semele</i>	Sospel
Black Satyr	<i>Satyrus actaea</i>	Valdeblore and Entracque, 2023
Great Sooty Satyr	<i>Satyrus ferula</i>	Valdeblore, fewer than usual at this time of year
Dryad	<i>Minois dryas</i>	Near Torino
Great Banded Grayling	<i>Kanetisa circe</i>	Scattered records, seen on 3 days
N.B. Species of <i>Erebia</i> were notably few on the tour this year, only four species being seen		
Arran Brown	<i>Erebia ligea</i>	Widespread and often common, seen on 6 days, 2023. 2024 only 1, at Moulinet!
Large Ringlet	<i>Erebia euryale</i>	Scattered, seen on 3 days, 2023
Mountain Ringlet	<i>Erebia epiphron</i>	1 at Gordolasque
Scotch Argus	<i>Erebia aethiops</i>	1 at Gordolasque, 2023
Almond-eyed Ringlet	<i>Erebia alberganus</i>	Widespread and locally common, seen on 5 days
Silky Ringlet	<i>Erebia gorge</i>	Col de Tende, 2023
False Mnestra Ringlet	<i>Erebia aethiopella</i>	Col de Lombarde, 2023
Common Brassy Ringlet	<i>Erebia cassioides</i>	Col de Lombarde. ssp. <i>arvernensis</i> , split by some as <i>Erebia arvernensis</i> , Western Brassy Ringlet, 2023
Piedmont Ringlet	<i>Erebia meolans</i>	Sta. Anna 2024
Meadow Brown	<i>Maniola jurtina</i>	Scattered records
Dusky Meadow Brown	<i>Hyponephele lycaon</i>	Near Torino
Ringlet	<i>Aphantopus hyperantus</i>	Chiaves and Entracque
Small Heath	<i>Coenonympha pamphilus</i>	Widespread
Dusky Heath	<i>Coenonympha dorus</i>	Rimplas
Pearly Heath	<i>Coenonympha arcania</i>	Widespread and common, seen daily
Darwin's Heath	<i>Coenonympha darwiniana</i>	Seen on the arrival day, en route from Cuneo, 2023
False Ringlet	<i>Coenonympha oedippus</i>	Near Torino, at a strong colony of this scarce species, a few seen, in fine condition
Speckled Wood	<i>Pararge aegeria</i>	Widespread, seen on 7 days
Wall Brown	<i>Lasionmata megera</i>	Valdeblore and Gordolasque

Large Wall Brown	<i>Lasiommata maera</i>	Widespread in small numbers, seen on 6 Days
Northern Wall Brown	<i>Lasiommata petropolitana</i>	Entracque 2024
Woodland Brown	<i>Lopinga achine</i>	Chiaves 2024

## ***Hesperiidae***

N.B. Pyrgine skippers were notably fewer in number this year than is usual

Grizzled Skipper	<i>Pyrgus malvae</i>	Gordolasque
Large Grizzled Skipper	<i>Pyrgus alveus</i>	Entracque
Carline Skipper	<i>Pyrgus carlinae</i>	Lombarde and Gordolasque, 2023
Oberthur's Grizzled Skipper	<i>Pyrgus armoricanus</i>	Gordolasque, 2023
Olive Skipper	<i>Pyrgus serratulae</i>	Gordolasque and Lombarde, 2023
Safflower Skipper	<i>Pyrgus carthami</i>	Scattered records
Red-underwing Skipper	<i>Spialia sertorius</i>	Valdeblore and Entracque
Marbled Skipper	<i>Carcharodus lavatherae</i>	Entracque 2024
Tufted Marbled Skipper	<i>Carcharodus flocciferus</i>	Gordolasque, Entracque, Moulinet
Dingy Skipper	<i>Erynnis tages</i>	Scattered records, seen on 6 days
Lulworth Skipper	<i>Thymelicus acteon</i>	Valdeblore
Essex Skipper	<i>Thymelicus lineola</i>	Scattered records
Small Skipper	<i>Thymelicus sylvestris</i>	Widespread
Large Skipper	<i>Ochlodes venatus</i>	Widespread

## Systematic List Number 3

## Birds

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

Cattle Egret	<i>Bubulcus ibis</i>
Little Egret	<i>Egretta garzetta</i>
Grey Heron	<i>Ardea cinerea</i>
White Stork	<i>Ciconia ciconia</i>
Sacred Ibis	<i>Threskiornis aethiopicus</i>
Griffon Vulture	<i>Gyps fulvus</i>
Black Kite	<i>Milvus migrans</i>
Common Buzzard	<i>Buteo buteo</i>
Sparrowhawk	<i>Accipiter nisus</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>
Cuckoo	<i>Cuculus canorus</i> (Heard)
Nightjar	<i>Caprimulgus europaeus</i> (Heard)
Common Swift	<i>Apus apus</i>
Pallid Swift	<i>Apus pallidus</i>
Alpine Swift	<i>Apus melba</i>
Wryneck	<i>Jynx torquilla</i> (Heard)
Green Woodpecker	<i>Picus viridis</i> (Heard)
Black Woodpecker	<i>Dryocopus martius</i> (Heard)
Great Spotted Woodpecker	<i>Dendrocopos major</i>
Skylark	<i>Alauda arvensis</i>
Crag Martin	<i>Ptyonoprogne rupestris</i>
Swallow	<i>Hirundo rustica</i>
House Martin	<i>Delichon urbica</i>
Tree Pipit	<i>Anthus trivialis</i>
Water Pipit	<i>Anthus spinoletta</i>
Grey Wagtail	<i>Motacilla cinerea</i>
White Wagtail	<i>Motacilla alba</i>
Wren	<i>Troglodytes troglodytes</i>
Dunnock	<i>Prunella modularis</i>
Robin	<i>Erithacus rubecula</i>
Black Redstart	<i>Phoenicurus ochruros</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>
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> (Heard)
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</i> (Torino)
Chaffinch	<i>Fringilla coelebs</i>
Serin	<i>Serinus serinus</i>
Citrel Finch	<i>Serinus citrinella</i>
Greenfinch	<i>Carduelis chloris</i>
Goldfinch	<i>Carduelis carduelis</i>
Linnet	<i>Carduelis cannabina</i>
Bullfinch	<i>Pyrrhula pyrrhula</i>
Yellowhammer	<i>Emberiza citrinella</i>
Rock Bunting	<i>Emberiza cia</i>

## Systematic List Number 4

## Amphibians, Reptiles & Mammals

Common Frog	<i>Rana temporaria</i>	Scattered records
Italian Tree Frog	<i>Hyla intermedia</i>	La Mandria
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
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 2023
Alpine Chamois	<i>Rupicapra rupicapra</i>	Gordolasque
Roe Deer	<i>Capreolus capreolus</i>	Near Torino
Rabbit	<i>Oryctolagus cuniculus</i>	Near Torino