

# The Dolomites

## *Devil's Claw and King of the Alps*

### A Greentours Trip Report

20<sup>th</sup> to 29<sup>th</sup> June 2024

Led by Paul Cardy

Daily Reports by Paul Cardy, systematic lists by Paul Cardy

#### Day 1 Thursday 20<sup>th</sup> June

#### Arrival and Journey to Montereale Valtellina

Having driven from Piemonte, once in the Veneto I first went to the hotel to check all was in order for our late arrival tonight, and later arrived at Venice Airport in the dark. Stefano was there to meet his WAL group, and we'd be seeing more of them in a few days.

Once my group had all arrived, the mini-bus loaded, we headed for the tranquility of the mountains. Initially our journey took us across the predominantly agricultural plains, the line of the Alps stretching ahead of us. The journey this evening was all in the dark though.

We arrived in Malnisio and settled into the rooms for a welcome sleep.

Nightjar churred.

#### Day 2 Friday 21<sup>st</sup> June

#### Cimoliana

A slightly leisurely start after the late arrival. We enjoyed a superb first full day in the field and saw a wealth of fine things. Whilst everyone enjoyed breakfast in the hotel, I shopped for fresh picnic supplies in the village.

Under clear blue skies we headed through a series of tunnels to the Cimoliana valley. The Cellina river was crystal clear and pristine, amid beautiful limestone scenery. The first stop was to admire many Orange Lilies in a meadow. Here was a wealth of flowers including the bright pink *Knautia ressmannii*, Dropwort, Clustered Bellflower, Swallowwort, Common Twayblade, and Lesser Butterfly Orchid (numerous today). Arran Brown was on the wing and Black-veined White nectared.

The habitat changed, Black Pine a feature, with *Salix waldsteiniana* scrub, and here we found fine Fragrant Orchids and three Fly Orchids. The endemics *Euphorbia triflora kernerii* and *Polygala nicaeensis forojulensis* were here, and *Laserpitium peucedanoides* was in fine form. The purple flowered *Chamaecytisus purpureus* was still in flower and we saw *Thesium rostratum*. Several butterflies were already on the wing, namely Pearly Heath, Adonis Blue, Brimstone, and more Black-veined Whites. The moths Common Heath and Clouded Buff were seen.

A short walk took us to cliffs that supported some fine Devil's Claws. One of the plant highlights of the Dolomites, we soon found several in fine flower, especially on the cliffs above the clear stream.

The cliffs also had much *Spiraea decumbens*, and we saw a few Hungarian Gliders for which it is the foodplant. There was much *Potentilla caulescens* in leaf, and *Chondrilla chondrilloides* flowered abundantly beside the track. *Rhododendron hirsutum* was admired and there was beautiful *Aquilegia einseleana*. The floral diversity continued with *Cirsium erisithales*, *Horminum pyrenaicum*, *Laserpitium siler*, and *Cyclamen purpurascens*. The scenery was sublime.

Narrow-bordered Five-spot Burnets were seen, and an adelid longhorn nectared on scabious near the vehicle. On the cliffs was much *Carex firma*. A selection of spiders were here, and a paper wasp on its nest. Rose Chafer and later another smaller pastel green chafer continued the invertebrate variety. The rocks supported a good selection of ferns including Limestone Fern, Holly

Fern, Green Spleenwort, Wall-rue, Maidenhair Spleenwort, and Brittle-bladder Fern. A highlight was the number of fine yellow day lilies, *Hemerocallis lilio-asphodelus*, a rather surprising endemic here. There were several on the cliffs above us, but also some right beside the track. Further up the valley were more in bloom than I had ever seen. We saw a stunning Green Lizard as we returned to the mini-bus.

The variety continued with Woodland Brown, *Arenaria huteri*, and *Cerastium subtriflorum*.

Last year I had been dismayed to find the Cimoliana valley road closed just above this site. Intense storms had caused major landslides and changed the topography of the river gravels. After much work the road is now open again.

Bird's-nest Orchid flowered on the forest floor, the first of many, including one fine group of twenty or so spikes. *Carex alba* was a feature. Moths continued with Silver-ground Carpet and Speckled Yellow. It was already time for lunch and I set out our first extensive picnic at a well situated table. Duke of Burgundy was here.

Our drive now took us across a wide stony river bed. A river gravel stop that in the past has yielded a selection of interesting plants, was completely barren now, just bare gravel. It will likely be recolonised, flood disturbance permitting.

Reaching the end of the drivable road, its course now altered by the landslides, we took a short walk and found the attractive *Dianthus sternbergii* in fine flower, and Willow Gentian in leaf. Some fine Bladder Gentians were nearby. The cliffs supported *Silene veselskyi* and below them was much of the diminutive *Hymenolobus pauciflorus*. *Aconitum lycoctonum* was just in flower and *Saxifraga tridactylites* was new for the tour. Here were Round-leaved Wintergreen, One-flowered Wintergreen, and Sword-leaved Helleborine. An interesting find was a very small Moonwort, but despite my hope that it was one of the rarer species, it was just diminutive *Botrychium lunaria*. *Globularia nudicaulis* was in flower and *Asplenium seelosii* characterised the calcareous cliffs.

At this usually reliable site were very many Lady's Slippers, but apart from a few, all were more or less over this year. Bird's-eye Primroses were also mostly over. There was much Barberry, but as expected none of the rare broomrape for which it is the host.

The distinctive pink *Crepis froelichiana dinarica*, an endemic subspecies, was here, and *Anemone trifolia* and Interrupted Clubmoss were under the trees. We found more fine Bladder Gentians, Dark Columbine, and *Antennaria dioica*.

Worth noting is the great variety of sedges seen today, with at least *Carex flacca*, *Carex demissa*, *Carex lepidocarpa*, *Carex ornithopoda*, *Carex alba*, *Carex sempervirens*, *Carex firma*, and *Carex panicea*. The rose here was *Rosa pendulina*.

Having started the return journey, I was pleased to spot Edelweiss as I drove, and we stopped to admire fine examples of this iconic species.

Last stop of the day was to take a short walk through the lower flowery meadows. *Hesperis matronalis nivea* flowered at the forest edge. In the meadows were *Campanula glomerata*, *Rhinanthus alectrolophus*, *Euphrasia rostkoviana*, *Euphrasia picta*, Pyramidal Orchid, and Ragged Robin, and there was a British theme with the butterflies, Meadow Brown and Small Heath. Swallowtail and Brimstone had also been seen today.

The scenic drive home saw us arriving with time to catch up with notes before enjoying an excellent dinner served by our friendly hosts.

### **Day 3 Saturday 22<sup>nd</sup> June                      Cellina Gorge, Settimana, San Osvaldo, Vajont, and Transfer to Rocca Pietore**

A fine morning saw us saying our fond farewells to the hotel. We made a short stop at a very good typical Italian small supermarket.

Back through the tunnels I'd expected our stop at Cellina Gorge to be a short one, as the gorge itself has nearly always been closed on our previous visits, but there are some interesting things to see on the cliffs outside the usually closed gate. But this being a Saturday in June, the lushly vegetated minor entrance was actually open. The friendly lady took my entrance fee and issued us all with obligatory hard hats, to protect against the very unlikely event of falling rocks! As soon as we were out of her sights I put back my proper hat and carried the other.

Before that, near the vehicle, Golden-ringed Dragonfly patrolled, and the leaves of *Epimedium alpinum* were a pleasing find. We'd first found this here last year, it's a widespread species but something we rarely see.

The gorge was stunning, at first enjoyed just by ourselves, but as we neared the main entrance we met several other visitors. There were many superb Devil's Claws on the cliffs here, and I kept pointing out better and better examples. The most I've ever seen. Very lush Hart's-tongue Ferns grew abundantly on cliffs below us. In fine flower were *Campanula spicata* and *Silene saxifraga*, *Geranium macrorrhizum* was mostly over, and *Saxifraga crustata* was in leaf. Hungarian Glider was associated with its foodplant, the *Spiraea*, and Comma was on the wing.

The non climbing *Clematis recta* was added to the list and an interesting find was Yew, new to the list after all these years. There were several 'nine-spotted' moths *Syntomis phegea* today. *Saxifraga rotundifolia* was in flower.

The scenic road took us again past the lake at Barcis.

Making a short visit to Settimana (fee now necessary) we found the hoped for yellow and purple (just one) forms of *Centaurea dichroantha*. *Euphrasia tricuspidata*, a regional endemic, was a pleasing find. Here we also caught up with Large Chequered Skipper.

At the low pass of San Osvaldo were a few fine Red Helleborines on the forest floor and *Asarum europaeum* was in leaf.

I set out the picnic at a fine quiet spot at Vajont, along a little used road. The table was set out in the shade, the views sublime.

After lunch there was time to walk the quiet lane, with its fine flora. Pearly Heaths, Marbled Whites, Large Wall Brown, Woodland Brown, and Adonis Blue were on the wing and *Zygaena lonicerae* nectared on scabious. Spiked Bellflowers were impressive, with *Campanula persicifolia* here too. Broad-leaved and Dark Red Helleborines were both in flower, and there were a number of Fragrant Orchids, some very robust. There were also many fine Lesser Butterfly Orchids, and a few Fly Orchids gone over. Common Twayblade was here too. As usual there were several Bee Beetles.

The highlight for me was superb *Monotropa hypopitys*, in fine form, a short climb up the slope necessary to see them closely.

*Teucrium montanum* was attractive; *Centaurea jacea*, *Hieracium staticifolium*, and *Bupthalmum salicifolium* were among the composites; the umbel *Peucedanum venetum* was rather common, and *Verbascum chaixii austriacum* was in flower. This was the only place we saw *Linum tenuifolium*, with several this year. Among the many other plants were *Valeriana wallrothii*, Swallow-wort, Wood Pink, *Dryas octopetala*, *Stachys alopecuros*, and *Salvia saccardiana*. The tour's extensive list of sedges began with *Carex pairae*, *Carex flacca*, and *Carex montana*. Occasionally looking up from the great variety of flowers and insects, the views were pretty good too!

Two Blue-spot Haistreaks were here and Crossbills were seen closely.

On a previous visit I'd been very pleased to find Fen Orchids near here, then new for the tour, after many years (eighteen or so)! This is the local endemic subspecies *nemoralis*, robust and growing in woodland, known from only some six stations in North-east Italy. Unfortunately they were not here this year, and intense searching failed to locate any.

Back on the road we headed west, down to Longarone, and into the Dolomiti Bellunesi, in which we would spend the remainder of the tour. *Campanula spicata* became rather common on the roadsides.

Late afternoon saw us arriving in Rocca Pietore, our base for the rest of the tour. Boulders had a number of new plants, namely *Sedum telephium*, *Sedum montanum*, *Sedum album*, *Sedum dasyphyllum*, *Potentilla recta*, *Seseli libanotis*, *Stachys recta*, *Laserpitium latifolium*, *Veronica fruticulosa*, and *Digitalis grandiflora*. *Juniperus sabina* and *Rhamnus pumila* crept over the rocks.

Nearby was our hotel, and we settled into the lovely rooms that would be our home for the following week. Of the many great hotels we stay in Europe this is one of the very best, an excellent welcoming family run place, and I was very pleased to be back again. As usual Black Redstart and Common Redstart were both around the hotel.

Before dinner we met for a first run through the already very extensive plant list. We enjoyed a superb dinner, with excellent service.

**Day 4 Sunday 23<sup>rd</sup> June**

**Staulanza, Fontanafredda, Dont, Duran, Avoscan**

We awoke to light rain and it proved persistent and was a feature the whole day, although we still visited all intended sites today. The lone supermarket that used to be open on a Sunday was not now open, so a cafe lunch would be necessary, the best outcome anyway considering the weather.

Our first stop was to look for the only Lesser Twayblades of the tour. I soon found three of this fine diminutive orchid, hidden under shrubs, at a site I had discovered some years ago, and there were also several Coralroot Orchids. There were three fine Lady's Slipper in flower. Much else of interest included fine One-flowered Wintergreens, Verticillate Lousewort, Dragonmouth, and *Anemone trifolia* still in flower. Nearby was another superb *Cypripedium*, a plant I'd found the previous year, thankfully surviving the widespread mowing of the verges in the area. Both *Valeriana montana* and *Valeriana tripteris* were here and the first of several Alpine Clematis were admired.

At Staulanza Pass the wet flushes supported an especially fine flora. Very many superb *Dactylorhiza majalis* and *Dactylorhiza fuchsii* were in flower, Globeflowers bloomed, and there were Water Avens, Chives (in bud), and *Primula farinosa*. Alpenrose flowered at the forest edge, and Lesser and One-flowered Wintergreens were here. Boulders had more fine Alpine Clematis, Yellow Wood Violets, *Oxalis acetosella*, *Myosotis sylvatica*, *Veronica aphylla*, *Campanula carnica*, *Aposeris foetida*, *Polygala chamaebuxus*, and *Daphne striata*.

A very short drive took us to the track we call Fontanafredda where we spent the rest of the morning, at altitudes between 1700 and 1900m, admiring the wealth of plants. The views of Pelmo and Civetta were superb between the clouds.

Having parked by the farm buildings we set out on foot. Rock Speedwell was common on boulders, *Clematis alpina* and *Moehringia muscosa* flowered under the trees, and there was much *Polygala chamaebuxus*. Frog Orchids were rather common in short turf where *Pedicularis elongata*, *Arnica montana*, and *Crepis aurea* were in flower. Small White Orchid and Black Vanilla Orchid were both in flower.

It was one flowery slope that supported all the best flowers here. Although *Gentianella germanica* was in bud this year, the Alpine Asters were fine, as were Burnt-tip Orchids and Rock Soapwort. Nearby was *Scorzonera aristata*. The variety continued with a superb patch of One-flowered Wintergreen, *Gentiana utriculosa*, *Carex davalliana*, *Lathyrus ochraceus*, and *Ranunculus platanifolius*.

Nutcrackers called often, a feature of many sites visited, and Nuthatch, Willow Tit, and Crossbills moved through the conifers. Two startled Roe Deer ran in one direction then another to escape whatever it was that had spooked them. Later another crossed the road in front of us below Passo Duran.

We reached a beautiful floriferous wet meadow, Broad-leaved Marsh Orchids especially impressive, and *Pedicularis palustris* and *Trichophorum alpinum* in wet flushes.

Here we met Stefano and his WAL group. I intended to have lunch in the very rustic agriturismo here, but there was simply no table available.

At the lower end of the track *Chamaecytisus hirsutus* was in flower.

In fact the weather made it a challenge to find a table anywhere for lunch, everyone was taking shelter, but a pizzeria proved a good choice and we sheltered there and enjoyed a welcome lunch.

Back in the field, near Dont were Marsh Helleborines, although only two this year in the wet flush where more are usually in flower at this time. There was much *Tetragonolobus maritimus*, and *Stachys alpina*. Cabbage Thistle had today's only butterfly perched on it, a Pearly Heath. Also here were Cotton Grass, various sedges (see list), *Pinguicula vulgaris*, and *Dactylorhiza traunsteineri*. A Garden Tiger caterpillar was found.

Next was a lush forest floor flora, large Wood Ants nests a feature. Among many things here were *Ajuga genevensis*, *Carex sylvatica*, *Adenostyles alliariae*, and *Phyteuma spicatum*.

At Passo Duran *Carex rostrata* was numerous in one flush, there were robust tussocks of *Carex paniculata*, and *Carex nigra*, *Carex pallescens*, *Blysmus compressus*, and *Triglochin palustris*.

Heading down to Agordo, Sticky Flax flowered on the roadsides.

Back in the main valley we made another detour where the road is now closed and has partially collapsed. The target here was *Saxifraga hostii* which we soon found on the cliffs, but all had gone over this year. Here too were *Impatiens parviflora*, *Hieracium humile*, *Peucedanum verticillare*, *Symphytum officinale*, and *Digitalis lutea*.

We returned home and reflected on all we'd seen on such a varied day, despite the poor weather.

## Day 5 Monday 24<sup>th</sup> June

## Fedaia

A superb day was spent exploring predominantly igneous rock outcrops near a refugio, which we reached by a chair lift, which now operates during our stay. In the past we've been driven to the refugio in a four wheel drive by the owners, it was a bumpy ride!

A very interesting day, today we were joined by the Wildlife at Leisure group who were staying in the same village. I was leading both groups today as my colleague Stefano had to drive one of his party to a medical consultation. We'd planned to combine our days anyway, and spend today with both groups together, Fedaia being the ideal day to do that, the only difference was it was me now leading both groups.

We left our hotel, I picked up the WAL group, and we drove to the chair lift. The ride up was stunning, many St Bruno's Lilies flowering on the slopes below us, although not quite the show we'd seen last year.

Once at the upper chair lift station we enjoyed the simply sublime views in all directions. Across the valley there was much snow on Marmolada, and a whole complex series of peaks and valleys all around us, the cloud formations impressive too. By snow patches and in the turf were abundant *Pulsatilla alpina*, locally many *Pulsatilla vernalis*, *Ranunculus kuepferi*, *Crocus albiflorus*, and *Soldanella alpina*. Also here were *Linaria alpina*, *Geum montanum*, *Ranunculus montanus*, and *Gentiana brachyphylla*.

After a quick coffee or lemon soda at the refuge we set out to explore.

*Androsace vitaliana* was in beautiful flower, and we were soon finding *Arabis alpina*, *Androsace obtusifolia*, and Roseroot. Almost immediately the first King of the Alps was found in superb flower, and this always very special plant was numerous up here today. A highlight for all. The same acidic rocks had much *Saxifraga exarata*, *Minuartia recurva*, *Minuartia verna*, *Silene excapa*, and *Juncus jacquinii*. There was *Papaver aurantiacum* in bloom, and *Polygala alpina* in the turf. Fine *Primula halleri* flowered. *Erica carnea* and *Achillea clavennae* were in flower.

Alpine Choughs were much in evidence around the refuge, Water Pipits sang, and Black Redstart and Northern Wheatear were typical of the habitat.

Our walk was punctuated by many more flowers, especially on the rocky outcrops. *Minuartia sedoides* was in fine form, as were Trumpet Gentians. King of the Alps continued superb, Snowdon Lily was in fine form, there was much *Primula minima* in flower, *Carex rupestris*, and Alpine Clover and many *Soldanella pusilla* in the turf.

At the furthest point of the walk there were superb *Geum reptans* and *Ranunculus glacialis*, *Saxifraga depressa* was a highlight, and *Saxifraga oppositifolia* was still just in flower. Also seen were Fir Clubmoss, Chamois Cress, and *Ligusticum mutellinoides*. There were very fine cushions of *Androsace alpina*. There were very many more Snowdon Lilies, and the variety continued with many more *Primula minima*, *Salix retusa*, *Salix herbacea*, and *Draba siliquosa*. *Draba fladnizensis* and *Artemisia genipi* were pleasing finds. At the very furthest point the going was rather challenging, and it was only three of us who made it this far.

Lunch was eaten at the refuge, with a good choice of substantial alpine dishes. Difficult to avoid polenta though. Stefano joined us during lunch.

In the afternoon we walked from the refuge in the opposite direction to this morning, finding fine *Orchis ovalis*, *Astragalus alpinus*, *Oxytropis campestris*, *Ligusticum mutellinoides*, *Antennaria carpatica*, and Spotted Gentian. I pointed out how to tell an *Oxytropis* from an *Astragalus*. *Silene acaulis* flowered on limestone boulders.

There was a choice of either walking down with Stefano, or taking the chair lift with me. *Sempervivum wulfenii* rosettes were seen by those who walked.

At a slightly lower altitude we all met up again and explored a meadow just below the Passo Fedaia. The large marmot colony here was evidenced by the many burrows, and occasional calls. In this beautiful meadow were very many showy plants including

*Centaurea nervosa* in bud, very many Lesser Butterfly Orchids, *Traunsteinera globosa*, Martagon Lilies, and several *Tephrosieris tenuifolia*.

A last short stop was made at a bridge over the Sottoguda Gorge. Much damage from the 2018 storm had closed the gorge for several years, but restoration is almost complete and it's likely to be open for our next visit, when the road train will again ferry visitors along the gorge. We walk of course. The gorge supports an interesting flora, Lady's Slippers and Devil's Claw are here for example. We used to see Wallcreeper here but haven't seen it for some years now.

## Day 6 Tuesday 25<sup>th</sup> June

## Gares and San Lucano

Lower altitudes today, as we visited sites in the Agordino Valley. We spent the morning at Gares, with a backdrop of impressive mountains and waterfalls. The topography here has changed significantly after the 2018 storm, much of the woodland now felled. However the river gravels, meadows, wet flushes, and woodland edge always support a wide variety. Forest edge in the car park had Oak and Beech Fern, Yellow Wood Violets, Mossy Sandwort, Alpine Clematis, much Interrupted Clubmoss, *Rosa pendulina*, *Ribes petraeum*, and fruiting Alpine Butterwort. There were some beautiful *Moneses uniflora* in flower.

On the river gravels was *Papaver aurantiacum* in fine form. On a recent visit the river had been dredged and all the gravel flora destroyed. It has returned in fine form, and we saw *Gypsophila repens*, *Saxifraga rotundifolia*, *Viola arvensis*, and *Polygala vulgaris oxyptera*. But search as I might I could not locate any of the very special endemic crucifer *Rhizobotrya alpina* today.

Very many Garden Chafers were a feature today and we saw Burnet Companion, Wood Tiger, a Garden Tiger larva, Woodland Ringlet, and Bullfinch.

In the meadows were *Tephrosieris tenuifolia*, many Orange Lilies, and *Thalictrum minus*. Under trees were *Streptopus amplexifolius*, *Polygonum verticillatum*, *Phyteuma ovatum*, and *Paris quadrifolia*. There was a fine selection of mosses. A highlight was the scarce fern *Cystopteris sudetica*, always in fine form here. *Saxifraga crustata* was in bloom on boulders, *Cardamine amara* in wet flushes, and we saw *Viola tricolor*.

Edelweiss was a good find. Another highlight was five Greater Butterfly Orchids in fine flower on a boulder. The species is much scarcer here than Lesser Butterfly Orchids, of which we saw many during the tour.

The San Lucano Valley was our next destination. Our original site here was all but destroyed by the storm, the small forested lake now completely exposed, the trees felled. But a little further along the valley is another fine site. Here is a poignant memorial to those killed by a 1908 landslide, the cliffs here sheer and vast on all sides.

Very tall Ostrich Fern is a feature here. Along a woodland track we saw *Daphne mezereum* in fruit, flowering Martagon Lilies, *Polystichum aculeatum*, Bee Beetle, fine *Silene quadrifida*, and a number of puddling Black-veined Whites. Male Orange-tip was on the wing, now at the very end of its flight period. *Lonicera alpigena*, *Lonicera nigra*, and *Lonicera xylosteum* were all seen today.

Last year it was the gravels here that had the best plants, notably, fine Edelweiss, *Adenostyles alpina*, *Salvia glutinosa*, *Cerastium sylvaticum*, the only *Astragalus penduliflorus* of the tour, *Impatiens noli-tangere*, *Campanula caespitosa*, *Campanula cochlearifolia*, and *Erigeron glabratus*. Grey Alder was here, and unusual was a strange deformed *Campanula spicata*, possibly a hybrid? *Galium rubrum* had sprays of pink flowers. These gravels were inaccessible this year due to a wide very fast flowing watercourse that had been channelled from the river.

We made a supermarket stop, and in Sottoguda visited the souvenir shops, with their marmot snow globes, whistling marmots, wrought iron sculptures, and many other local crafts.

## Day 7 Wednesday 26<sup>th</sup> June

## Passo do Giau

Today we drove to the Passo di Giau, along a series of many hairpin bends, climbing through different altitudinal zones, the verges full of flowers. Initially driving through forest and flower rich meadows, at about 2,000m we were above the tree line, with fine vistas all around. Common Spotted Orchids and *Orobanche gracilis* were among the many flowers on the roadsides and Linnet was seen.

The usual bicycles, motorbikes, cars, camper vans, and runners were all here, but not in the incredible numbers we had found last year here. There were even parking spaces in our usual car park at the top, which there hadn't been last year.

The rest of the morning was spent walking slowly towards the bulk of Nuvolau, enjoying stunning views down the valley to Cortina, and a sublime mountain backdrop in all directions, complicated by clouds today. Initially the acid sward held many fine flowers. Alpine Pasque Flowers were numerous this year, several Spring Pasque Flowers too, although most were in attractive fruit. There was much *Geum montanum*, and several *Androsace obtusifolia*. A few Spotted Gentians were in flower and Trumpet Gentians were numerous, *Potentilla aurea* was common, and Creeping Azalea was in fine bloom, in a community with *Carex curvula*.

We moved very slowly along the narrow path admiring the fine floral show, among the many plants *Homogyne alpina*, *Thesium alpinum*, *Daphne striata*, *Ajuga pyramidalis*, *Veronica alpina*, *Gentiana brachyphylla*, and Frog Orchids.

We reached limestone boulders that supported fine rock gardens. Among the beautiful species here were Pink Cinquefoil (only one flower this year, unusually), *Saxifraga paniculata*, *Achillea clavennae*, *Erigeron alpinus*, Mossy Sandwort, Moss Champion, *Paederota bonarota*, *Phyteuma sieberi*, *Viola biflora*, *Draba dubia*, *Valeriana saxatilis*, and *Helianthemum alpestre*. *Dryas octopetala* was very commonly in flower, and creeping on the ground and rocks were Least Willow and Thyme-leaved Willow. *Carex capillaris*, *Carex ornithopodioides*, and *Carex rupestris* were sedges typical of calcareous rocks, and the grass *Sesleria sphaerocephala* was in attractive flower.

Further along the geology changed and *Rhododendron ferrugineum* was replaced by *Rhododendron hirsutum*, a calcicole, and here we found very many *Rhodothamnus chamaecistus* in superb flower. *Ranunculus hybridus* with its distinctively shaped leaves was numerous in flower this year, but a search failed to locate the *Pedicularis rosea* that we usually see here, only in leaf. *Pinus cembra* was a feature, and wet flushes had much Bird's-eye Primrose. *Erica carnea* was still in flower this year. *Arctostaphylos alpina* was in leaf, Common Wintergreen in flower, and *Doronicum columnae* flowered in gaps between the boulders.

The display flight song of Water Pipits was a constant accompaniment, Alpine Choughs soared over Nuvolau, and Northern Wheatear, Black Redstart, and Redpoll were typical of the habitat. Ring Ouzels were seen well. We made our way back to the refuge, facilities available.

We drove some way down towards Cortina to find a quiet lunch spot, and to get away from the many cyclists and bikers, and found a suitable tranquil site where I set out the lunch. *Anemone trifolia* was in flower, and Small Blue and Titania's Fritillary were on the wing. A slime mould, a species of *Stemonitis*, was on a tree stump.

Back near the col we had another short walk, here on acidic soil. Wet flushes characterised by *Eriophorum angustifolium* and *Trichophorum caespitosum* had also *Cerastium cerastoides*, *Viola palustris*, *Cardamine amara*, and *Carex brachystachys*. The distinctive *Pedicularis recutita* was in flower at two sites, more than we'd seen here before. *Gentiana bavarica* was in bud this year.

Several *Soldanella pusilla* were in fine flower, as well as beautiful *Primula minima*, the combination of the two very attractive. A rocky slope supported much Roseroot. There was a fine selection of dwarf willows. There were again many *Pulsatilla alpina*. One *Orchis ovalis* was at the furthest point of our walk.

Boulders on the other side of the pass had Edelweiss, very many *Paedarota bonarota*, and *Primula auricula* in fruit. Moonwort was in the turf. Marmots were much less in evidence than is usual here. In wet flushes were beautiful Alpine Butterworts and *Phyteuma sieberi* flowered on the large boulders.

We travelled back to the tranquility of the hotel, after a busy and very productive day.

## **Day 8 Thursday 27<sup>th</sup> June      Passo San Pellegrino, Canazei, Passo Pordoi, Marmolada**

Initially we drove to Passo San Pellegrino. I'd checked the website and it told me the cable car there was currently operating. We arrived to find it closed, it would only open in a few days time. Frustrating, but we headed down into the next valley in search of an alternative. Before leaving we stopped to look at attractive *Hedysarum hedysaroides*.

We were now in Trentino Alto Adige, quite a contrast to the tranquil much less visited part of the Dolomites we were staying in, these towns and villages heaving with people and all very touristy. Matteo later told me how many hotel rooms there are in this valley, I've forgotten the number but it was extremely high, and restrictions are now in place against any further hotels!

Through the busy town of Canazei, we continued, ultimately arriving at the incredibly busy Passo Pordoi, at 2239m. Here I decided to take the (expensive) cable car to Sass Pordoi, to just below 3000m. This was an amazing experience, and a fine alternative to the previously intended San Pellegrino cable car. The views were sublime, and there were some interesting plants

on exposed outcrops amid the extensive snow. We'd only done this trip once before on the tour, many years ago. Plants were few but impressive and of note were *Draba hoppeana*, *Draba dolomitica*, *Draba tomentosa*, *Saxifraga oppositifolia*, and *Gentiana orbicularis*. Snow Finches approached the table as we ate lunch in this remarkable landscape.

Having taken the cable car again, back at Pordoi Pass, we had another short walk. For some years this was where we came to see King of the Alps, which involved a long walk, we now see it much more easily at Fedaiia. Monte Baldo Anemone was rather common here, and we saw *Hedysarum hedysaroides* again, *Polygala chamaebuxus*, *Gentiana clusii*, *Gentiana brachyphylla*, and *Arctostaphylos alpina* in flower.

Another drive took us to the large reservoir at the base of Marmolada where I drove across the dam and parked. For many years we spent a morning on Marmolada, taking the cage lifts up to the refugio at 2626m. It was a great experience standing in the open cages of this 'chair lift', admiring the superb vistas, and the changing vegetation below as one slowly ascended to the high alpine environment. The cage lift was in the process of being upgraded, but following the tragic avalanche on the mountain two summers ago, work has been abandoned, the refugio destroyed. From Fedaiia we had been able to see its ruins. Today we walked up to the old lower cage lift station, the dismantled machinery poignant.

*Salix mielichhoferi* and *Pinus mugo* formed dense cover. On rocks were fine Alpine Butterwort, *Silene pusilla*, Net-leaved Willow, *Arabis bellidifolia*, *Saxifraga caesia*, *Achillea oxyloba*, *Achillea atrata*, *Lonicera caerulea*, and *Valeriana elongata*. A good find was three Coralroot Orchids.

## **Day 9 Friday 28<sup>th</sup> June                      Falzarego, Valparola, Andraz, Belvedere**

First we drove up to the Falzarego Pass, where we explored an area away from the busy pass itself. *Rhodothamnus chamaecistus* was in bud, but there were several *Pedicularis rosea* in bloom. At the furthest point of our walk *Gentiana terglouensis* was the highlight, and we saw more than ever before. *Gentiana clusii* was fine too. *Soldanella minima* was another highlight. Also notable were *Anemone baldensis*, *Ranunculus hybridus*, *Armeria alpina*, *Saxifraga caesia*, *Carex mucronata*, and *Minuartia austriaca*. Mountain Green-veined White and Large Grizzled Skipper were on the wing. We found the diminutive *Valeriana elongata*, with several on one rock face.

A feature here was the remarkable variety of *Salix* species and hybrids, and I collected samples of all I could. The most distinctive was of course *Salix reticulata*.

At another site we walked to a small lake. Boulders had a few Edelweiss, and fruiting *Callianthemum coriandrifolium*. *Primula halleri* was admired and wet flushes had many fine Bavarian Gentians. Our main target here was *Chamorchis alpina*, at a site where we first found this always special species a few years ago. We had found some 15 last year. Intensive searching yielded none this year, which was the same at all our sites for the species this year, in the Central Alps too. There were many fine *Papaver aurantiacum*, *Pedicularis rostratocapitata*, and *Saussurea discolor* was in bud. The delicate *Carex capillaris* was as always a pleasing find.

Lunch was set out at the picnic site near Andraz Castle. Here I worked through my *Salix* collections, among them *Salix breviserrata*, *Salix foetida*, and *Salix alpina*.

After lunch we walked towards Andraz Castle. The verges were flowery but with little new. A superb wet meadow here was full of orchids, and a special rush, *Juncus triglumis*, flowered beside a streamlet. Here too was *Blysmus compressus* and nearby was *Ranunculus arvensis*. Butterflies included Large Blue, Mazarine Blue, and Woodland Ringlet. On boulders was *Veronica fruticulosa*.

The Belvedere viewpoint gave fine views down to Caprile, and several new plants here included *Linaria angustissima*, *Sorbus austriaca*, and *Asplenium septentrionale*. Tall *Peucedanum verticillare* was impressive, and *Juniperus sabina* covered the rocks. Most notable was several *Orobancha purpurea* parasitising the *Achillea*. Also here were *Ajuga genevensis*, *Dianthus sylvestris*, and a selection of stonecrops, namely *Sedum rupestre*, *Sedum montanum*, *Sedum album*, and *Sedum dasyphyllum*. *Aurinia saxatilis* was naturalised and *Epilobium roseum* was identified. There was a colony of Apollos here.

A sculpture represented the 2018 storm and the resilience and recovery of the forest since.

We enjoyed our last dinner in the hotel.

## **Day 10 Saturday 29<sup>th</sup> June                      Departure**

We left after breakfast, saying fond farewells to all at the hotel. I drove purposefully towards Venice, taking a rest stop about half way.

The transfer day between the two tours, once everyone had arrived we headed west to the Central Alps, where there followed another great tour.

# Dolomites Systematic Lists 2024

Compiled by Paul Cardy

## Itinerary

**Day 1.** Thursday 20<sup>th</sup> June. Arrival. Venice to Montereale Valtellina.

**Day 2.** Friday 21<sup>st</sup> June. Cimoliana.

**Day 3.** Saturday 22<sup>nd</sup> June. Cellina Gorge, Settimana, S.Osvaldo, Vajont, Rocca Pietore.

**Day 4.** Sunday 23<sup>rd</sup> June. Staulanza, Fontanafredda, Dont, Passo Duran, Avoscan.

**Day 5.** Monday 24<sup>th</sup> June. Fedaiia.

**Day 6.** Tuesday 25<sup>th</sup> June. Gares. San Lucano.

**Day 7.** Wednesday 26<sup>th</sup> June. Passo di Giau.

**Day 8.** Thursday 27<sup>th</sup> June. Passo San Pellegrino, Canazei, Passo Pordoi, Sass Pordoi, Marmolada.

**Day 9.** Friday 28<sup>th</sup> June. Falzarego, Valparola, Andraz, Belvedere.

**Day 10.** Saturday 29<sup>th</sup> June. Departure.

# Systematic List Number 1

# Plants

Nomenclature and systematic order follow 'Flora Alpina', by Aeschimann et al., 2004. Species recorded in previous years but not 2024 are annotated with the year in which they were last seen. Species added this year are annotated 2024. All species with no year annotation were of course seen this year.

## A. PTERIDOPHYTA      Ferns and their allies

### ***Lycopodiaceae***

<i>Huperzia selago</i>	Fir Clubmoss	Fedaia.
<i>Lycopodium annotinum</i>	Interrupted Clubmoss	Gares and Cimoliana.
<i>Lycopodium clavatum</i>	Stag's-horn Clubmoss	Cimoliana 2015.
<i>Diphasiastrum alpinum</i>	Alpine Clubmoss	Fedaia and Giau 2019.

### ***Selaginellaceae***

<i>Selaginella selaginoides</i>	Lesser Clubmoss	Moist limey turf and rocks, Passo di Giau, and Cimoliana.
<i>Selaginella helvetica</i>	Swiss Clubmoss	Moist mossy rocks/walls, San Lucano.

### ***Equisetaceae***

<i>Equisetum variegatum</i>	Variegated Horsetail	Scattered records, e.g. Canazei, San Lucano.
<i>Equisetum fluviatile</i>	Water Horsetail	Fontanafredda.
<i>Equisetum palustre</i>	Marsh Horsetail	Fontanafredda and Dont.
<i>Equisetum arvense</i>	Common Horsetail	Scattered records, e.g. Cimoliana.
<i>Equisetum telmateia</i>	Giant Horsetail	Marsh Helleborine site and Barcis.

### ***Ophioglossaceae***

<i>Botrychium lunaria</i>	Moonwort	Fedaia, Fontanafredda, and Giau.
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### ***Polypodiaceae***

<i>Adiantum capillis-veneris</i>	Maidenhair Fern	Sottoguda Gorge 2018.
<i>Polypodium vulgare</i>	Common Polypody	Below Duran.
<i>Pteridium aquilinum</i>	Bracken	Fontanafredda, Gares, Duran, etc.
<i>Oreopteris limbosperma</i>	Lemon-scented Fern	San Osvaldo 2013.
<i>Phegopteris connectilis</i>	Beech Fern	Common at Gares, Fontanafredda, below Duran, etc.
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	Rocks at Gares, Giau, Friulani, locally very common.
<i>Asplenium viride</i>	Green Spleenwort	Limestone ledges and boulders on Passo di Giau, Fontanafredda, Cimoliana, Gares, and Marmolada.
<i>Asplenium adiantum-nigrum</i>	Black Spleenwort	Dolomiti Friulani 2017.
<i>Asplenium septentrionale</i>	Forked Spleenwort	Belvedere and Fedaia.
<i>Asplenium seelosii</i>	a spleenwort	Cimoliana.
<i>Asplenium ruta-muraria</i>	Wall-rue	Rocks at Fontanafredda, Cimoliana, Giau, Gares.
<i>Asplenium scolopendrium</i>	Hart's-tongue Fern	Barcis, locally numerous.
<i>Athyrium filix-femina</i>	Lady-fern	Forest at Fontanafredda, Cimoliana, and Gares.
<i>Cystopteris fragilis</i>	Brittle Bladder-fern	Widespread.
<i>Cystopteris alpina</i>	Alpine Bladder-fern	Giau and Fedaia.
<i>Cystopteris montana</i>	Mountain Bladder-fern	Sottoguda Gorge 2018.
<i>Cystopteris sudetica</i>	a bladder-fern	Some fine examples at Gares.
<i>Woodsia pulchella</i>	a woodsia	Calcareous boulders below Passo di Giau in the past. 2023 on a boulder at Passo Staulanza.

<i>Gymnocarpium dryopteris</i>	Oak Fern	Rocky forest at Gares.
<i>Gymnocarpium robertianum</i>	Limestone Fern	Cimoliana etc., locally very common.
<i>Matteucia struthiopteris</i>	Ostrich Fern	Gares valley and San Lucano.
<i>Polystichum lonchitis</i>	Holly Fern	Cimoliana.
<i>Polystichum aculeatum</i>	Hard Shield Fern	San Lucano.
<i>Polystichum setiferum</i>	Soft Shield Fern	Cimoliana 2017.
<i>Dryopteris filix-mas</i>	Male Fern	Cimoliana etc.
<i>Dryopteris affinis</i>	Scaly Male Fern	Scattered records, e.g. Gares.
<i>Dryopteris villarii</i>	Mountain Fern	
<i>Dryopteris dilatata</i>	Broad Buckler-fern	
<i>Dryopteris expansa</i>	Northern Buckler-fern	Gares.

## B. CONIFEROPSIDA Conifer trees and their allies

### ***Pinaceae***

<i>Abies alba</i>	Silver Fir	Cimoliana.
<i>Picea abies</i>	Norway Spruce	Widespread – main forest dominant at mid-altitudes. Millions felled by the autumn 2018 storm.
<i>Larix decidua</i>	European Larch	Frequent in middle altitudes, locally dominant just below treeline.
<i>Pinus nigra</i>	Austrian Pine	Dolomiti Friulani.
<i>Pinus sylvestris</i>	Scots Pine	Forest at middle altitudes, e.g. Friulani.
<i>Pinus mugo</i>	Dwarf Mountain Pine	Often dominant 1800-2100m (higher on Marmolada), and locally down to middle levels in the understorey.
<i>Pinus cembra</i>	Arolla Pine	Scattered, mostly at high altitude, often with latter e.g. Passo di Giau.

### ***Cupressaceae***

<i>Cupressus sempervirens</i>	Italian Cypress	Roadsides lower down.
<i>Juniperus communis communis</i>	Juniper	Avoscan and Cimoliana.
<i>Juniperus communis alpina</i>		Passo di Giau etc.
<i>Juniperus sabina</i>	Savin	Belvedere and Rocca Pietore. Also one plant at Giau.

### ***Taxaceae***

<i>Taxus baccata</i>	Yew	Cellina Gorge, new in 2024.
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## C. ANGIOSPERMS - DICOTYLEDONES

### ***Aristolochiaceae***

<i>Asarum europaeum</i>	Asarabacca	In leaf San Osvaldo.
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### ***Ranunculaceae***

<i>Helleborus viridis</i>	Green Hellebore	In leaf Monte Grappa, 2019.
<i>Helleborus niger</i>		Sta.Croce 2023
<i>Callianthemum coriandrifolium</i>		In leaf on rocks at Valparola.
<i>Trollius europaeus</i>	Globeflower	Widespread, common in meadows at all levels e.g. Fontanafredda, Passo di Giau, Duran, Cimoliana, Fedaia, and Passo Staulanza.
<i>Actaea spicata</i>	Baneberry	Leaves Cimoliana and Cellina.
<i>Caltha palustris</i>	Marsh Marigold	Common at Fontanafredda, Duran, and Passo di Giau.
<i>Aconitum lycoctonum</i>	Wolfsbane	Scattered records, e.g. Cimoliana, Fedaia, Duran.
<i>ssp.vulparia</i>		
<i>Aconitum lycoctonum</i>	Wolfsbane	Gares.
<i>ssp. neapolitanum</i>		

<i>Aconitum variegatum</i>	A monk's-hood	In leaf Day 9.
<i>Aconitum napellus</i>	Monk's-hood	Sottoguda, in leaf, 2018, ssp. <i>tauricum</i> ?
<i>Anemone trifolia</i>	a wood-anemone	Duran and Cimoliana.
<i>Anemone narcissiflora</i>	Narcissus Anemone	Monte Grappa 2019.
<i>Anemone baldensis</i>	Monte Baldo Anemone	Many at Valparola and Pordoi.
<i>Hepatica nobilis</i>	Hepatica	In leaf.
<i>Pulsatilla alpina</i>	Alpine Pasque Flower	Widespread and abundant at higher altitudes, Passo di Giau, Fedaia, Valparola.
 		Many at Passo di Giau, and Fedaia, in flower.
<i>Pulsatilla vernalis</i>	Spring Pasque Flower	In leaf.
 		Cellina Gorge.
<i>Clematis vitalba</i>	Traveller's-joy	Forest margins and boulder-scrub at Fontanafredda, Passo di Giau, foot of Marmolada chairlift, Cimoliana, Fedaia, and Gares.
<i>Clematis recta</i>	Ground Clematis	Venice.
<i>Clematis alpina</i>	Alpine Clematis	Cimoliana, Fontanafredda, etc. Widespread.
<i>Clematis viticella</i>	a clematis	Friulani woods and Gares.
<i>Ranunculus tuberosus</i>	a buttercup	Widespread.
<i>Ranunculus repens</i>	Creeping Buttercup	Fontanafredda grassy slope, Duran, etc.
<i>Ranunculus lanuginosus</i>	a buttercup	Widespread at higher altitudes.
<i>Ranunculus acris</i>	Meadow Buttercup	
<i>Ranunculus carinthiacus</i>	a buttercup	
<i>Ranunculus montanus</i>	a buttercup	
<i>Ranunculus venetus</i>	a buttercup	
<i>Ranunculus breyninus</i>	a buttercup	
<i>Ranunculus arvensis</i>	Corn Buttercup	Andraz, 2024.
<i>Ranunculus hybridus</i>	Hybrid Buttercup	Locally common in flower at Giau, Valparola, and Pordoi.
 		Common in woods at mid levels e.g. Fontanafredda, Gares, below Fedaia, below Giau, and below Duran.
<i>Ranunculus platanifolius</i>	a buttercup	A few in flower at Fedaia.
 		Several at Passo di Giau and Fedaia San Lucano 2017.
<i>Ranunculus glacialis</i>	Glacier Crowfoot	Scattered records, e.g. Cimoliana, Gares, Posalz.
<i>Ranunculus kuepferi</i>	a buttercup	Val Cimoliana.
<i>Aquilegia vulgaris</i>	Common Columbine	Gares, below Fedaia, below Duran, and Marmolada.
<i>Aquilegia atrata</i>	Dark Columbine	Cimoliana.
 		Locally common Dolomiti Friulani, Rocca Pietore, Gares.
<i>Aquilegia einseleana</i>	a columbine	Sta.Croce 2023.
<i>Thalictrum aquilegifolium</i>	Great Meadow-rue	
<i>Thalictrum foetidum</i>	Foetid Meadow-rue	
<i>Thalictrum minus</i>	Lesser Meadow-rue	
<i>Thalictrum lucidum</i>		
<b><i>Berberidaceae</i></b>		
<i>Epimedium alpinum</i>	Barren-wort	In leaf at Barcis.
<i>Berberis vulgaris</i>	Barberry	In flower Cimoliana, Gares, Rocca Pietore.
<b><i>Papaveraceae</i></b>		
<i>Papaver rhoeas</i>	Corn Poppy	Venice area.
<i>Papaver aurantiacum</i>	Alpine Poppy	Gares, Fedaia, and Marmolada.
<i>Chelidonium majus</i>	Greater Celandine	Montereale Valtellina.
<i>Eschscholtzia californica</i>	California Poppy	Naturalised locally on roadsides, 2014.
<b><i>Fumariaceae</i></b>		
<i>Fumaria vaillantii</i>	Few-flowered Fumitory	Montereale Valtellina.
<b><i>Ulmaceae</i></b>		
<i>Ulmus glabra</i>	Wych Elm	Dolomiti Friulani.
<i>Ulmus minor</i>	an elm	Dolomiti Friulani.

<i>Ulmus laevis</i>	Large-leaved Elm	Near Venice.
<i>Celtis australis</i>	Nettle-tree	Venice area.
<b><i>Cannabaceae</i></b>		
<i>Humulus lupulus</i>	Hop	Sta. Croce 2023.
<b><i>Moraceae</i></b>		
<i>Ficus carica</i>	Fig	Roadsides near Venice.
<b><i>Urticaceae</i></b>		
<i>Urtica dioica</i>	Stinging Nettle	Widespread.
<i>Urtica urens</i>	Annual Nettle	Cimoliana upper rocks (eutrophied!).
<i>Parietaria officinalis</i>	Common Pellitory	Montereale Valtellina.
<b><i>Juglandaceae</i></b>		
<i>Juglans regia</i>	Walnut	Cimolais.
<b><i>Fagaceae</i></b>		
<i>Fagus sylvatica</i>	Beech	The typical forest dominant below 1500m.
<b><i>Betulaceae</i></b>		
<i>Betula pendula</i>	Silver Birch	Dolomiti Friulani.
<i>Alnus viridis</i>	Green Alder	Often forming low scrub on the treeline, but also on forest edges lower down e.g. Fontanafredda, Cimoliana, below Passo di Giau, and Passo di Fedaiia.
<i>Alnus incana</i>	Grey Alder	San Lucano.
<i>Carpinus betulus</i>	Hornbeam	Local, e.g. Cimoliana.
<i>Ostrya carpinifolia</i>	Hop Hornbeam	Locally common in Dolomiti Friulani and Longarone area.
<i>Corylus avellana</i>	Hazel	Widespread.
<b><i>Chenopodiaceae</i></b>		
<i>Chenopodium bonus-henricus</i>	Good King Henry	Cattle-frequented margins at Fontanafredda, Cimoliana, and by car-parks at Passo di Giau etc.
<i>Chenopodium album</i>	Fat Hen	Cimoliana etc.
<i>Atriplex patula</i>	Common Orache	Cimoliana 2012.
<b><i>Caryophyllaceae</i></b>		
<i>Arenaria huteri</i>	a sandwort	Cimoliana, endemic. In fine flower on lower cliffs. Not seen here 2023 due to road closure, but one superb floriferous plant, in full sunlight, Settimana 2023. Cimoliana 2024. Fedaiia p.m., 2012.
<i>Arenaria biflora</i>	a sandwort	Scattered records, e.g. Cimoliana.
<i>Arenaria serpyllifolia</i>	Thyme-leaved Sandwort	Forest at Fontanafredda, 2010.
<i>Moehringia trinervia</i>	Three-veined Sandwort	Mossy boulders etc., in forest at Gares, Fontanafredda, Cellina, Monte Grappa and Cimoliana.
<i>Moehringia muscosa</i>	Mossy Sandwort	Gares gravels, and above Cortina. 2023. Fedaiia 2023.
<i>Moehringia ciliata</i>	a sandwort	Locally common on acid rocks, e.g. Giau and Fedaiia.
<i>Moehringia bavarica</i>	a sandwort	Valparola.
<i>Minuartia recurva</i>	Sickle-leaved Sandwort	Foot of Marmolada chairlift, Fedaiia, Giau rocks, etc.
<i>Minuartia austriaca</i>	a sandwort	
<i>Minuartia verna verna</i>	Spring Sandwort	

<i>Minuartia verna collina</i>		Apparently this subspecies at Fedaia.
<i>Minuartia sedoides</i>	Mossy Cyphel	Passo di Giau, Falzarego, and Fedaia.
<i>Stellaria nemorum</i>	Wood Stitchwort	Fontanafredda, Staulanza, below Duran, and Gares.
<i>Stellaria media</i>	Common Chickweed	Sottoguda 2018.
<i>Stellaria holostea</i>	Greater Stitchwort	Duran 2014.
<i>Stellaria graminea</i>	Lesser Stitchwort	Dry meadows at Fontanafredda, Settimana, and Cimoliana.
<i>Cerastium cerastoides</i>	Starwort Mouse-ear	Giau wet flushes.
<i>Cerastium tomentosum</i>	Snow-in-Summer	Naturalised at Andraz.
<i>Cerastium arvense</i>	Field Mouse-ear	Widespread.
<i>Cerastium alpinum</i>	Alpine Mouse-ear	Fedaia.
<i>Cerastium uniflorum</i>	a mouse-ear	Fedaia, in leaf.
<i>Cerastium latifolium</i>	a mouse-ear	Marmolada, in flower, 2017.
<i>Cerastium carinthiacum</i> ssp. <i>austroripinum</i>		Passo di Giau, in leaf this year.
<i>Cerastium subtriflorum</i>	a mouse-ear	Cimoliana gravels.
<i>Cerastium sylvaticum</i>	a mouse-ear	San Lucano and Gares.
<i>Cerastium fontanum</i>	Common Mouse-ear	Scattered records.
<i>Cerastium glomeratum</i>	Sticky Mouse-ear	Scattered records.
<i>Myosoton aquaticum</i>	Water Chickweed	Settimana 2018.
<i>Sagina saginoides</i>	Alpine Pearlwort	Fontanafredda 2019.
<i>Sagina procumbens</i>	Procumbent Pearlwort	Gares gravels.
<i>Scleranthus annuus</i>	Annual Knawel	Fontanafredda 2017.
<i>Silene coronaria</i>		1 plant at San Lucano 2023.
<i>Silene flos-cuculi</i>	Ragged Robin	Cimolais and Montereale Valtellina.
<i>Silene italica</i>	Italian Catchfly	Giau and Cimoliana.
<i>Silene nutans</i>	Nottingham Catchfly	Scattered records.
<i>Silene vulgaris</i>	Bladder Campion	Widespread.
<i>Silene saxifraga</i>	a catchfly	Cellina.
<i>Silene acaulis</i>	Moss Campion	Limestone boulders and ledges on Passo Giau, Fedaia, etc.
<i>Silene exscapa</i>	a moss campion	On acidic substrates at Fedaia and Giau.
<i>Silene rupestris</i>	Rock Campion	Fontanafredda and Fedaia.
<i>Silene pusilla</i>	Alpine Catchfly	Foot of Marmolada chairlift and Dolomiti Friulani.
<i>Silene veselskyi</i>	a catchfly	Cimoliana.
<i>Silene quadrifida</i>	a catchfly	San Lucano.
<i>Silene dioica</i>	Red Campion	Widespread.
<i>Gypsophila repens</i>	Alpine Gypsophila	Widespread and locally common, e.g. Gares, above Canazei, Settimana, San Lucano.
<i>Saponaria ocymoides</i>	Rock Soapwort	Fontanafredda and above Canazei.
<i>Saponaria officinalis</i>	Soapwort	Roadsides.
<i>Petrorhagia saxifraga</i>	Tunic Flower	Dolomiti Friulani.
<i>Dianthus barbatus</i>	Sweet William	Rocca Pietore 2023.
<i>Dianthus sanguineus</i>	a pink	Settimana 2023.
<i>Dianthus sternbergii</i>	a fringed pink	Val Cimoliana.
<i>Dianthus sylvestris</i>	Wood Pink	Belvedere, Vajont, and above Canazei.
<i>Dianthus superbus</i>	Fringed Pink	Fedaia meadows 2017.
<b><i>Polygonaceae</i></b>		
<i>Polygonum aviculare</i>	Common Knotgrass	Marco Polo airport.
<i>Polygonum bistorta</i>	Bistort	Locally common, Monte Grappa. 2019.
<i>Polygonum viviparum</i>	Alpine Bistort	Grassland at Fontanafredda, Staulanza, Passo di Giau, Fedaia, Duran, and Dolomiti Friulani.
<i>Oxyria digyna</i>	Mountain Sorrel	Fedaia 2018.
<i>Rheum rhabarbarum</i>	Rhubarb	A large plant below Duran.
<i>Rumex acetosella</i>	Sheep's Sorrel	Scattered records.
<i>Rumex scutatus</i>	French Sorrel	Widespread, e.g. Passo di Fedaia, and

<i>Rumex alpestris</i>	Mountain Dock	Dolomiti Friulani.
<i>Rumex acetosa</i>	Common Sorrel	Fedaia and Giau.
<i>Rumex alpinus</i>	Monk's Rhubarb	Scattered records.
		Frequent in eutrophied pasture, etc., e.g. Giau,
		Fontanafredda, Gares, and Passo di Fedaia.
		Avoscan.
<i>Rumex crispus</i>	Curled Dock	
<i>Rumex conglomeratus</i>	Clustered Dock	
<i>Rumex obtusifolius</i>	Broad-leaved Dock	Recorded.
<b>Plumbaginaceae</b>		
<i>Armeria alpina</i>	Mountain Thrift	Marmolada.
<b>Hypericaceae</b>		
<i>Hypericum montanum</i>	Pale St. John's-wort	In bud.
<i>Hypericum maculatum</i>	Imperforate St. John's-wort	In leaf.
<i>Hypericum perforatum</i>	Common St John's-wort	Rocca Pietore.
<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	Vajont 2012.
<i>Malva sylvestris</i>	Common Mallow	Roadsides lower down.
<i>Malva neglecta</i>	Dwarf Mallow	Montereale Valtellina 2023.
<b>Cistaceae</b>		
<i>Helianthemum nummularium</i>	Common Rockrose	Dolomiti Friulani, Fontanafredda, etc.
<i>Helianthemum alpestre</i>	Alpine Rockrose	Passo di Giau and Fedaia.
<i>Helianthemum canum canum</i>	Hoary Rockrose	Limestone rocks at Fontanafredda and Day 8.
<b>Violaceae</b>		
<i>Viola riviniana</i>	Common Dog Violet	Fontanafredda.
<i>Viola palustris</i>	Bog Violet	Giau and Staulanza.
<i>Viola biflora</i>	Yellow Wood Violet	Widespread in shade and among rocks e.g. at Fontanafredda, Passo di Giau, Fedaia, Gares, Staulanza, Falzarego, Marmolada.
<i>Viola tricolor</i>	Heartsease	Gares.
<i>Viola arvensis</i>	Field Pansy	Gares.
<i>Viola kitaibeliana</i>	Dwarf Pansy	
<b>Tamaricaceae</b>		
<i>Myricaria germanica</i>	German Tamarisk	River gravels at Caprile, 2012.
<b>Salicaceae</b>		
<i>Salix pentandra</i>	Bay Willow	Gares.
<i>Salix alba</i>	White Willow	Roadsides lower down.
<i>Salix reticulata</i>	Net-leaved Willow	Frequent on limestone rocks and screes on Passo di Giau, Fedaia, Valparola, foot of Marmolada chairlift, and Pordoi.
<i>Salix herbacea</i>	Least Willow	Drier exposed acidic ridges Fedaia, Passo di Giau, and Valparola.
<i>Salix retusa</i>	Retuse-leaved Willow	Limestone, Falzarego, Giau, Fedaia, Pordoi.
<i>Salix serpyllifolia</i>	Thyme-leaved Willow	Passo di Giau, Falzarego, Pordoi.
<i>Salix breviserrata</i>	Finely-toothed Willow	Limestone boulder waste and scree at Falzarego.

<i>Salix alpina</i>	a willow	Scree and rocks high on Fedaia, Giau, Falzarego, and Marmolada.
<i>Salix myrsinifolia</i>	Dark-leaved Willow	Scattered records at mid-altitudes, e.g. Cimoliana.
<i>Salix mielichhoferi</i>	a willow	Marmolada, Giau.
<i>Salix glabra</i>	Alpine Willow	
<i>Salix appendiculata</i>	an alpine willow	Scattered records, e.g. Cimoliana and Vajont.
<i>Salix cinerea</i>	Grey Willow	
<i>Salix caprea</i>	Goat Willow	Forest edge at Fontanafredda, San Lucano, Dolomiti Friulani, etc.
<i>Salix foetida</i>	Fishy Willow	Falzarego.
<i>Salix waldsteiniana</i>	a willow	Dolomiti Friulani, locally common.
<i>Salix hastata</i>	Large-stipuled Willow	Marmolada.
<i>Salix elaeagnos</i>	a willow	Dolomiti Friulani.
<i>Salix purpurea</i>	Purple Osier	Scattered, e.g. Vajont, Dolomiti Friulani, above Canazei.
<i>Populus alba</i>	White Poplar	Towards Venice.
<i>Populus tremula</i>	Aspen	Dolomiti Friulani, etc.
<i>Populus nigra</i>	Black Poplar	
<b>Brassicaceae</b>		
<i>Descurainia sophia</i>	Flixweed	Gares 2014.
<i>Erysimum rhaeticum</i>	a Treacle Mustard	Capanna Bill.
<i>Hesperis matronalis</i> ssp. <i>nivea</i>	Snow-white Dame's Violet	Cimoliana.
<i>Barbarea vulgaris</i>	Common Winter-cress	Passo Pordoi etc.
<i>Barbarea verna</i>	American Winter-cress	Claut 2018.
<i>Barbarea bracteosa</i>	a winter-cress	Giau 2023.
<i>Cardamine pentaphyllos</i>	Five-leaflet Bittercress	In fruit, Cellina.
<i>Cardamine enneaphyllos</i>	Drooping Bittercress	In fruit below Duran.
<i>Cardamine amara</i>	Large Bittercress	Spring marshes at Fontanafredda, Gares, Giau.
<i>Cardamine resedifolia</i>	Mignonette-leaved Bittercress	Giau and Fedaia.
<i>Cardamine impatiens</i>	Fine-leaved Bittercress	Gares.
<i>Arabis sagittata</i>	a rockcress	Seen on the first day, 2018.
<i>Arabis hirsuta</i>	Hairy Rock-cress	Cimoliana etc.
<i>Arabis turruta</i>	Tower Cress	In fruit at Cellina.
<i>Arabis caerulea</i>	Blue Arabis	Marmolada, in flower 2018. Under snow 2019!
		Site not reached 2023 and 2024 due to dismantled cage lift.
<i>Arabis bellidifolia</i>	a rockcress	Marmolada, Giau, and Falzarego.
<i>Arabis subcoriacea</i>	a rockcress	Below Giau 2015.
<i>Arabis alpina</i>	Alpine Rockcress	Fedaia, Marmolada, Gares, Giau.
<i>Turritis glabra</i>	Tower Mustard	Recorded.
<i>Aurinaria saxatilis</i>	Golden Alison	Naturalised at Belvedere.
<i>Draba aizoides</i>	Yellow Whitlow Grass	Fedaia and Falzarego, 2023.
<i>Draba hoppeana</i>	a whitlow grass	In flower on Sass Pordoi, and Falzarego.
<i>Draba dolomitica</i>		Sass Pordoi, 2024.
<i>Draba siliquosa</i>	Carinthian Whitlow Grass	Passo di Giau and Fedaia.
<i>Draba dubia</i>	Austrian Whitlow Grass	Passo di Giau, Fedaia, and Falzarego.
<i>Draba tomentosa</i>	Woolly Draba	Sass Pordoi, new in 2024.
<i>Draba fladnizensis</i>	Arctic Draba	1 at Fedaia.
<i>Kernera saxatilis</i>	Kernera	Cellina and Giau.
<i>Rhizobotrya alpina</i>		2 fine plants on Gares gravels 2018. Central Alps endemic. 2019 gravels re-worked so none seen.

<i>Capsella bursa-pastoris</i>	Shepherd's-purse	2023 and 2024 none found despite an intensive search!
<i>Pritzelago alpina</i>	Chamois Cress	Scattered records.
<i>Hymenolobus pauciflorus</i>		Fedaia, Giau, Gares, Sass Pordoi.
<i>Thlaspi alpestre</i>	Alpine Pennycress	Cimoliana, at base of cliffs.
<i>Thlaspi rotundifolium</i>	Round-leaved Pennycress	Falzarego 2018.
		River gravels above Canazei, in flower, 2023.
<i>Aethionema saxatile</i>	Burnt Candytuft	Claut dinosaur footprint site 2016.
<i>Biscutella laevigata</i>	Buckler Mustard	Widespread in flower and fruit.
<b>Resedaceae</b>		
<i>Reseda lutea</i>	Yellow Mignonette	Cimoliana.
<b>Empetraceae</b>		
<i>Empetrum nigrum</i> <i>ssp.hermaphroditum</i>	Crowberry	In leaf.
<b>Ericaceae</b>		
<i>Erica carnea</i>	Spring Heath	Widespread in open forest at Fontanafredda, in boulder waste on Passo di Giau, Pordoi, and Dolomiti Friulani. In flower at Fedaia. Locally dominant.
<i>Calluna vulgaris</i>	Heather or Ling	Giau, Staulanza, and Fedaia.
<i>Rhododendron ferrugineum</i>	Alpenrose	Patches on more leached grassland at Passo di Giau, where numerous, Fedaia, Staulanza, and Fontanafredda.
<i>Rhododendron hirsutum</i>	Hairy Alpenrose	Local on limestone e.g. Passo di Giau, Marmolada, and common in Dolomiti Friulani.
<i>Rhodothamnus chamaecistus</i>	Dwarf Alpenrose	Boulder waste on Passo di Giau, and Falzarego. In superb flower.
<i>Loiseleuria procumbens</i>	Creeping Azalea	Passo di Giau and Fedaia, in fine flower this year.
<i>Arctostaphylos uva-ursi</i>	Bearberry	Cimoliana, Fedaia, and Giau.
<i>Arctostaphylos alpina</i>	Alpine Bearberry	Giau and Day 8, in leaf.
<i>Vaccinium vitis-idaea</i>	Cowberry	Scattered in forest at Fontanafredda, Staulanza, Cimoliana, Giau, Fedaia, and Gares etc.
<i>Vaccinium uliginosum</i>	Bog Whortleberry	Scattered on leached grassland on Passo di Giau, Fedaia, Valparola, and Fontanafredda.
<i>Vaccinium myrtillus</i>	Bilberry	Forest at Fontanafredda, Staulanza, and among boulders on Passo di Giau. Also Dolomiti Friulani.
<b>Pyrolaceae</b>		
<i>Pyrola minor</i>	Lesser Wintergreen	Below Staulanza, Giau, Marmolada, Gares, Falzarego.
<i>Pyrola rotundifolia</i>	Round-leaved Wintergreen	Cimoliana.
<i>Orthilia secunda</i>	Nodding Wintergreen	Below Staulanza, 2017.
<i>Moneses uniflora</i>	One-flowered Wintergreen	Cimoliana, below Staulanza, and Gares.
<i>Monotropa hypopitys</i>	Yellow Bird's-nest	Fine at Vajont, 2024.
<b>Primulaceae</b>		
<i>Primula elatior</i>	Oxlip	In fruit.

<i>Primula veris</i>	Cowslip	Scattered records in fruit, in flower at Giau.
<i>Primula farinosa</i>	Bird's-eye Primrose	Passo di Giau, Fontanafredda, Falzarego, Duran, Andraz, and Staulanza.
<i>Primula halleri</i>	Long-flowered Primrose	Several in fine flower at Fedaia.
<i>Primula glutinosa</i>	a primrose	Many in fine flower at S.Pellegrino in 2014.
<i>Primula minima</i>	Least Primrose	Many in flower on Passo di Giau and Fedaia.
<i>Primula auricula</i>	Bear's-ear	In fruit on boulders at Passo di Giau.
<i>Androsace vitaliana</i>	Vitaliana	In flower at Fedaia.
<i>Androsace obtusifolia</i>	Blunt-leaved Rock-jasmine	Several on Fedaia, many at Giau.
<i>Androsace villosa</i>	a rock-jasmine	This species at Fedaia, but apparently on acidic substrate? 2014.
<i>Androsace alpina</i>	Alpine Rock-jasmine	A few at Fedaia, in fine flower.
<i>Soldanella pusilla</i>	Dwarf Snowbell	Several in flower Passo di Giau and Fedaia, locally common.
<i>Soldanella minima</i>	Least Snowbell	In flower at Falzarego.
<i>Soldanella alpina</i>	Alpine Snowbell	In flower at Fedaia, Giau, Falzarego.
<i>Cyclamen purpurascens</i>	Sowbread	Dolomiti Friulani.
<i>Lysimachia vulgaris</i>	Yellow Loosestrife	Venice.
<i>Lysimachia nummularia</i>	Creeping Jenny	At the service station on the last day, 2016.
<i>Anagallis arvensis</i>	Scarlet Pimpernel	Day 3.
<i>Samolus valerandi</i>	Brookweed	Sottoguda Gorge 2017.
<b>Crassulaceae</b>		
<i>Sempervivum wulfenii</i>		Rosettes at Fedaia.
<i>Sempervivum arachnoideum</i>	Cobweb Houseleek	Fedaia.
<i>Sempervivum montanum</i>	Mountain Houseleek	Rosettes at Fedaia.
<i>Sempervivum dolomiticum</i>	Dolomitic Houseleek	Ledges on Passo di Giau in the past.
<i>Sedum telephium</i>	Orpine	Belvedere and Rocca Pietore.
<i>Sedum montanum</i>	a stonecrop	Rocca Pietore and Belvedere.
<i>Sedum rupestre</i>	Rock Stonecrop	Rocca Pietore and Belvedere.
<i>Sedum acre</i>	Biting Stonecrop	Scattered, e.g. Cimoliana and Vajont.
<i>Sedum alpestre</i>	a stonecrop	Giau 2016.
<i>Sedum sexangulare</i>	a stonecrop	In flower at Vajont and Avoscan.
<i>Sedum album</i>	White Stonecrop	Rocca Pietore and Belvedere.
<i>Sedum dasyphyllum</i>	Thick-leaved Stonecrop	Rocca Pietore and Belvedere.
<i>Sedum atratum</i>	Dark Stonecrop	Both nominate and ssp. <i>carinthiacum</i> (Fedaia and Giau).
<i>Rhodiola rosea</i>	Roseroot	Locally common, e.g. Passo di Giau, Fedaia.
<b>Saxifragaceae</b>		
<i>Saxifraga rotundifolia</i>	Round-leaved Saxifrage	Rocky forest at Fontanafredda, Gares, Cimoliana, Cellina.
<i>Saxifraga caesia</i>	Blue Saxifrage	Marmolada, and Valparola, in bud this year.
<i>Saxifraga squarrosa</i>	a saxifrage	In flower Settimana, 2023.
<i>Saxifraga oppositifolia</i>	Purple Saxifrage	Fedaia, mostly over, 1 still just in flower. In flower Sass Pordo.
<i>Saxifraga crustata</i>	Encrusted Saxifrage	Cellina and Gares.
<i>Saxifraga hostii</i>	a saxifrage	Avoscan, in fruit this year.
<i>Saxifraga paniculata</i>	Livelong Saxifrage	Widespread and locally very common.
<i>Saxifraga bryoides</i>	Mossy Saxifrage	A few at Fedaia, in leaf this year.
<i>Saxifraga aizoides</i>	Yellow Mountain Saxifrage	A few records, e.g. Giau, above Canazei. Not seen 2024.
<i>Saxifraga exarata</i>	Musky Saxifrage	Common on Fedaia.
<i>Saxifraga androsacea</i>	Scree Saxifrage	Valparola 2018.
<i>Saxifraga depressa</i>	a saxifrage	One in flower at Fedaia.
<i>Saxifraga sedoides</i>	a saxifrage	Marmolada 2018. Under snow 2019. Site not

		reached 2023 and 2024 due to dismantled cage lift.
<i>Chrysosplenium alternifolium</i>	Alternate-leaved Golden-saxifrage	Gares 2023.
<i>Parnassia palustris</i>	Grass-of-Parnassus	Gares gravels, Duran, Fontanafredda, Marmolada. Not seen 2024.
<i>Ribes petraeum</i>	Rock Redcurrant	Gares.
<i>Ribes uva-crispa</i>	Gooseberry	Day 3, 2023.
<b>Rosaceae</b>		
<i>Spiraea decumbens</i>	a spiraea	ssp. <i>decumbens</i> and <i>hacquetii</i> at Cimoliana and Cellina. Widespread. Scattered records, e.g. Cimoliana. Venice roadsides. Scattered records. Gares. Dolomiti Friulani, Fontanafredda, Staulanza. Cimoliana. Belvedere and above Caprile. Gares and Cimoliana. Scattered, e.g. Posalz, Cimoliana, and Gares. Dolomiti Friulani and Belvedere. Near Avoscan. Sottoguda 2018. Friulani 2023. Drier verges at lower altitudes. Settimana 2013. Vajont. Widespread on limestone. Passo di Giau, Fedaia, Falzarego, Marmolada, Dolomiti Friulani, Staulanza. Numerous. Fedaia. Numerous on Passo di Giau and Fedaia. In fruit Fontanafredda. Scattered records, locally common, e.g. Duran, Staulanza, Giau, Gares. Cimoliana 2019. Gares valley 2017. Rocca Pietore. Limestone grassland, scattered records. Widespread and common in more acid grassland and margins of forest, e.g. Fontanafredda, Giau, Fedaia. Cimoliana and Giau. Widespread, e.g. Cimoliana. Cimolais. Cimoliana and Cellina, in leaf. Quite common on limestone boulders on and below Passo di Giau, Valparola. Only one flower this year. Fedaia 2017. Shade at mid-levels. Fontanafredda. Passo di Giau.
<i>Aruncus dioicus</i>	Goatsbeard Spiraea	
<i>Filipendula vulgaris</i>	Dropwort	
<i>Filipendula ulmaria</i>	Meadowsweet	
<i>Rubus fruticosus</i> agg.	Bramble	
<i>Rubus saxatilis</i>	Rock Bramble	
<i>Rubus idaeus</i>	Raspberry	
<i>Rubus caesius</i>	Dewberry	
<i>Rosa glauca</i>	Blue-leaved Rose	
<i>Rosa pendulina</i>	Alpine Rose	
<i>Rosa montana</i>	Mountain Rose	
<i>Rosa canina</i>	Dog Rose	
<i>Rosa tomentella</i>	Round-leaved Dog Rose	
<i>Rosa tomentosa</i>	Harsh Downy-rose	
<i>Rosa villosa</i>	Downy-rose	
<i>Agrimonia eupatoria</i>	Agrimony	
<i>Aremonia agrimonoides</i>	Bastard Agrimony	
<i>Sanguisorba minor</i>	Salad Burnet	
<i>Dryas octopetala</i>	Mountain Avens	
<i>Geum reptans</i>	Creeping Avens	
<i>Geum montanum</i>	Mountain Avens	
<i>Geum rivale</i>	Water Avens	
<i>Geum urbanum</i>	Herb Bennet	
<i>Potentilla anserina</i>	Silverweed	
<i>Potentilla recta</i>	Sulphur Cinquefoil	
<i>Potentilla crantzii</i>	Alpine Cinquefoil	
<i>Potentilla aurea</i>	Golden Cinquefoil	
<i>Potentilla neumanniana</i>	a cinquefoil	
<i>Potentilla erecta</i>	Tormentil	
<i>Potentilla reptans</i>	Creeping Cinquefoil	
<i>Potentilla caulescens</i>	Lax Potentilla	
<i>Potentilla nitida</i>	Pink Cinquefoil	
<i>Sibbaldia procumbens</i>	Sibbaldia	
<i>Fragaria vesca</i>	Wild Strawberry	
<i>Fragaria moschata</i>	a strawberry	
<i>Fragaria viridis</i>	a strawberry	
<i>Alchemilla alpina</i>	Alpine Lady's-mantle	
<i>Alchemilla splendens</i>	a lady's-mantle	

<i>Alchemilla hybrida</i>	a lady's-mantle	
<i>Alchemilla xanthochlora</i>	a lady's-mantle	Fedaia.
<i>Alchemilla glabra</i>	a lady's-mantle	
<i>Sorbus aucuparia</i>	Mountain Ash	Widespread.
<i>Sorbus chamaemespilus</i>	Dwarf Medlar	Giau.
<i>Sorbus aria</i>	Whitebeam	Cimoliana etc.
<i>Sorbus austriaca</i>	a whitebeam	Belvedere.
<i>Amelanchier ovalis</i>	Snowy Mespilus	Cimoliana etc.
<i>Cotoneaster horizontalis</i>	Wall Cotoneaster	Naturalised at Vajont, 2016.
<i>Cotoneaster integerrimus</i>	Wild Cotoneaster	Giau 2014.
<i>Cotoneaster tomentosus</i>	Brickberry Cotoneaster	Giau.
<i>Crataegus monogyna</i>	Hawthorn	
<i>Prunus spinosa</i>	Blackthorn	Venice area.
<i>Prunus avium</i>	Wild Cherry	
<b>Fabaceae</b>		
<i>Laburnum anagyroides</i>	Laburnum	Between Passo Duran and Agordo.
<i>Cytisus nigricans</i>	Black Broom	Dolomiti Friulani.
<i>Cytisus emeriflorus</i>	a broom	Cimoliana 2019.
<i>Chamaecytisus purpureus</i>	Purple Broom	In fruit in Val Cimoliana. One in flower.
<i>Chamaecytisus hirsutus</i>	Hairy Broom	Fontanafredda.
<i>Genista tinctoria</i>	Dyer's Greenweed	Dolomiti Friulani.
<i>Genista radiata</i>	Southern Greenweed	Settimana 2023.
<i>Robinia pseudoacacia</i>	False Acacia	Numerous on roadsides.
<i>Galega officinalis</i>	Goat's-rue	Near Venice.
<i>Astragalus cicer</i>	Wild Lentil	In bud 2017.
<i>Astragalus hypoglottis gremlii</i>		Andraz 2018.
<i>Astragalus penduliflorus</i>	Mountain Lentil	Locally very common at Fedaia 2017, not seen 2018 or 2019. 2023, 1 in flower on San Lucano gravels.
<i>Astragalus alpinus</i>	Alpine Milk-Vetch	Fedaia.
<i>Astragalus australis</i>	Southern Milk-Vetch	Gares gravels 2018.
<i>Astragalus glycyphyllos</i>	Wild Liquorice	Gares, Belvedere, Cimoliana, Rocca Pietore, San Lucano.
<i>Oxytropis jacquinii</i>	Mountain Milk-Vetch	In leaf at Giau.
<i>Oxytropis campestris</i>	Yellow Milk-Vetch	Scattered, e.g. below Passo di Giau, Fedaia, Marmolada.
<i>Vicia cracca</i>	Tufted Vetch	Widespread on roadsides, Settimana, Rocca Pietore etc.
<i>Vicia sylvatica</i>	Wood Vetch	Scattered records, e.g. Passo Duran, Avoscan, San Lucano, and Gares.
<i>Vicia hirsuta</i>	Hairy Tare	Day 9, 2024.
<i>Vicia sepium</i>	Bush Vetch	Scattered records, e.g. Cimoliana, Staulanza.
<i>Lathyrus vernus</i>	Spring Vetchling	In fruit Friulani.
<i>Lathyrus venetus</i>		In fruit Friulani.
<i>Lathyrus ochraceus</i>		Duran, Fontanafredda, and Staulanza.
<i>Lathyrus pratensis</i>	Meadow Vetchling	Scattered in meadows e.g. Dolomiti Friulani.
<i>Lathyrus sylvestris</i>	Narrow-leaved Everlasting-pea	Rocca Pietore.
<i>Lathyrus latifolius</i>	Broad-leaved Everlasting-pea	Day 3.
<i>Lathyrus heterophyllus</i>		Avoscan.
<i>Ononis spinosa</i>	Spiny Restharrow	A few records.
<i>Ononis repens</i>	Common Restharrow	Cimoliana.
<i>Melilotus altissimus</i>	Tall Melilot	
<i>Melilotus officinalis</i>	Ribbed Melilot	
<i>Melilotus albus</i>	White Melilot	Roadsides.
<i>Medicago lupulina</i>	Black Medick	Scattered records.
<i>Medicago sativa</i>	Lucerne	Rocca Pietore.
<i>Medicago falcata</i>	Sickle Medick	Vajont.

<i>Trifolium alpinum</i>	Alpine Clover	Passo di Fedaia.
<i>Trifolium montanum</i>	Mountain Clover	Meadows at Fontanafredda, Dolomiti Friulani, Giau, and below Fedaia. Scattered records. Giau.
<i>Trifolium repens</i>	White Clover	Giau.
<i>Trifolium pallescens</i>		Giau.
<i>Trifolium thalii</i>	Thale Cress	Giau.
<i>Trifolium hybridum</i>	Alsike Clover	Giau.
<i>Trifolium badium</i>	Brown Clover	Marmolada.
<i>Trifolium aureum</i>	Large Trefoil	Settimana 2023.
<i>Trifolium campestre</i>	Hop Trefoil	
<i>Trifolium pratense</i>	Red Clover	Common.
<i>Trifolium noricum</i>	a clover	Fedaia meadow 2023.
<i>Trifolium medium</i>	Zigzag Clover	Monte Grappa 2019.
<i>Trifolium alpestre</i>		Staulanza, Giau.
<i>Trifolium rubens</i>		Rocca Pietore and Dont.
<i>Lotus corniculatus</i>	Common Bird's-foot-trefoil	Widespread and common in grassland.
<i>Lotus alpinus</i>	Alpine Bird's-foot-trefoil	Widespread above 2000m e.g. Passo di Giau, Fedaia.
<i>Lotus maritimus</i>	Dragon's-teeth	Several at the <i>Epipactis palustris</i> site. ( <i>Tetragonolobus maritimus</i> ).
<i>Anthyllis vulneraria</i>	Kidney-vetch	Widespread, various subspecies present, including <i>ssp. carpatica</i> in Dolomiti Friulani. Monte Grappa 2019.
<i>Coronilla vaginalis</i>		Monte Grappa 2019.
<i>Securigera varia</i>	Crown-vetch	Avoscan in fruit.
<i>Hippocrepis emerus</i>	False Senna	Widespread and locally common.
<i>Hippocrepis comosa</i>	Horseshoe-vetch	Passo Pordoi, San Pellegrino, and Valparola.
<i>Hedysarum hedysaroides</i>	Alpine Sainfoin	Giau and Day 9.
<i>Onobrychis montana</i>	Mountain Sainfoin	Recorded 2015.
<i>Onobrychis arenaria</i>	Hungarian Sainfoin	Dolomiti Friulani and Canazei.
<i>Onobrychis viciifolia</i>	Common Sainfoin	
<b><i>Elaeagnaceae</i></b>		
<i>Hippophaë rhamnoides</i>	Sea-buckthorn	
<b><i>Lythraceae</i></b>		
<i>Lythrum salicaria</i>	Purple Loosestrife	Roadsides near Venice, and San Lucano.
<b><i>Thymelaeaceae</i></b>		
<i>Daphne laureola</i>	Spurge-laurel	Fontanafredda and San Osvaldo.
<i>Daphne mezereum</i>	Mezereum	In fruit San Lucano, San Osvaldo, etc.
<i>Daphne cneorum</i>	Garland Flower	Passo di Giau.
<i>Daphne striata</i>	a garland flower	Passo di Giau, Fedaia, Valparola, Staulanza, Pordoi.
<b><i>Onagraceae</i></b>		
<i>Circaea alpina</i>	Alpine Enchanter's Nightshade	Gares 2017.
<i>Oenothera glazioviana</i>	Large-flowered Evening Primrose	Lower roadsides.
<i>Epilobium angustifolium</i>	Rosebay Willowherb	Rocca Pietore.
<i>Epilobium dodonaei</i>	a willowherb	Dolomiti Friulani, in leaf, 2016.
<i>Epilobium hirsutum</i>	Greater Willowherb	Roadsides lower down.
<i>Epilobium montanum</i>	Broad-leaved Willowherb	Cellina and San Lucano.
<i>Epilobium collinum</i>	a willowherb	San Lucano gravels 2023.
<i>Epilobium alpestre</i>	Whorled-leaved Willowherb	In leaf at Staulanza 2023.
<i>Epilobium obscurum</i>	Short-fruited Willowherb	River gravel at Gares, 2016.
<i>Epilobium roseum</i>	Pale Willowherb	Belvedere.
<i>Epilobium anagallidifolium</i>	Pimpernel-leaved Willowherb	
<i>Epilobium alsinifolium</i>	Chickweed Willowherb	

**Cornaceae**

*Cornus sanguinea* Dogwood Rocca Pietore.

**Santalaceae**

*Thesium divaricatum* a bastard toadflax By the Hotel Pineta 2023.  
*Thesium pyrenaicum* Pyrenean Bastard Toadflax Cimoliana 2019.  
*Thesium alpinum* Alpine Bastard Toadflax Scattered records, e.g. Giau, Staulanza, Fontanafredda, Marmolada.  
*Thesium rostratum* a bastard toadflax Cimoliana.

**Celastraceae**

*Euonymus europaeus* Spindle

**Euphorbiaceae**

*Mercurialis perennis* Dog's Mercury Settimana 2023.  
*Euphorbia dulcis* Sweet Spurge San Lucano 2014.  
*Euphorbia verrucosa* a spurge Monte Grappa 2019.  
*Euphorbia helioscopia* Sun Spurge Sottoguda 2017.  
*Euphorbia peplus* Petty Spurge Montereale Valtellina.  
*Euphorbia triflora* ssp. *kernerii* a spurge Cimoliana and Vajont.  
*Euphorbia esula* Leafy Spurge Venice area.  
*Euphorbia cyparissias* Cypress Spurge Cimoliana, Vajont, and San Lucano.  
*Euphorbia amygdaloides* Wood Spurge Below Duran.

**Rhamnaceae**

*Rhamnus saxatilis* Rock Buckthorn Vajont.  
*Rhamnus cathartica* Buckthorn Cimoliana.  
*Rhamnus alpina* ssp. *fallax* Alpine Buckthorn Dolomiti Friulani.  
*Rhamnus pumila* Dwarf Buckthorn Giau, Rocca Pietore, and Vajont.  
*Frangula alnus* Alder Buckthorn Sta. Croce 2023.

**Vitaceae**

*Parthenocissus quinquefolia* Virginia Creeper This species Longarone cliffs?

**Linaceae**

*Linum alpinum* Mountain Flax Monte Grappa 2019.  
*Linum viscosum* Sticky Flax Between Duran and Agordo.  
*Linum tenuifolium* a flax A few at Vajont.  
*Linum catharticum* Purging Flax Scattered records, e.g. Friulani and Giau.

**Polygalaceae**

*Polygala chamaebuxus* Shrubby Milkwort Staulanza, Pordoi, and Giau.  
*Polygala nicaeensis* Nice Milkwort Dolomiti Friulani, ssp. *forojulensis*.  
*Polygala comosa* a milkwort Pordoi and Valparola.  
*Polygala vulgaris* Common Milkwort Scattered records, ssp. *oxyptera* on Gares gravels.  
*Polygala alpestris* Mountain Milkwort Scattered records, e.g. Giau, Staulanza.  
*Polygala amarella* Dingy Milkwort Rocky grassland at Fontanafredda and Passo di Giau, etc.  
*Polygala alpina* Alpine Milkwort Apparently this Fedaia, but out of range?

**Aceraceae**

*Acer platanoides* Norway Maple  
*Acer campestre* Field Maple Vajont and Cellina.  
*Acer pseudoplatanus* Sycamore Widespread.

**Oxalidaceae**

*Oxalis corniculata* Procumbent Yellow-sorrel  
*Oxalis stricta* a sorrel San Lucano.

<i>Oxalis acetosella</i>	Wood Sorrel	In leaf.
<b>Geraniaceae</b>		
<i>Geranium macrorrhizum</i>	Rock Cranesbill	Barcis.
<i>Geranium sanguineum</i>	Bloody Cranesbill	Vajont.
<i>Geranium sylvaticum</i>	Wood Cranesbill	Dolomiti Friulani, Staulanza, Duran, Fontanafredda, Giau, etc. Locally very common.
<i>Geranium nodosum</i>	Knotted Cranesbill	Recorded 2017.
<i>Geranium phaeum</i>	Dusky Cranesbill	Common in meadows and margins e.g. Dolomiti Friulani, Fontanafredda, Andraz, Gares, and Rocca Pietore. Plants were all of var. <i>lividum</i> , much paler than further west in Europe.
<i>Geranium pyrenaicum</i>	Pyrenean Cranesbill	Vajont.
<i>Geranium rotundifolium</i>	Round-leaved Cranesbill	Andraz 2017.
<i>Geranium dissectum</i>	Cut-leaved Cranesbill	Avoscan.
<i>Geranium robertianum</i>	Herb Robert	Scattered records. ssp. <i>robertianum</i> and <i>purpureum</i> .
<b>Balsaminaceae</b>		
<i>Impatiens noli-tangere</i>	Touch-me-not	San Lucano 2023.
<i>Impatiens parviflora</i>	Small Balsam	Avoscan and San Lucano.
<i>Impatiens glandulifera</i>	Himalayan Balsam	Day 4.
<b>Apiaceae</b>		
<i>Sanicula europaea</i>	Sanicle	Settimana 2023.
<i>Astrantia major</i>	Great Masterwort	Monte Grappa 2019.
<i>Chaerophyllum hirsutum</i>	Hairy Chervil	Duran, Andraz, etc.
<i>Chaerophyllum villarsii</i>	a chervil	Scattered, e.g. Staulanza.
<i>Chaerophyllum aureum</i>	a chervil	
<i>Anthriscus sylvestris</i>	Cow Parsley	Scattered records, e.g. San Lucano.
<i>Anthriscus nitida</i>	a cow parsley	Fontanafredda 2019.
<i>Scandix pecten-veneris</i>	Shepherd's Needle	Andraz 2017.
<i>Myrrhis odorata</i>	Sweet Cicely	Monte Grappa 2019.
<i>Pimpinella major</i>	Great Burnet-saxifrage	Meadows and forest edge at Fedaiia, Gares, Fontanafredda, Posalz, and below Giau. Dolomiti Friulani.
<i>Pimpinella saxifraga</i>	Burnet-saxifrage	
<i>Pimpinella alpina</i>		
<i>Aegopodium podagraria</i>	Ground-elder	Rough meadow and forest edges at low-middle altitudes.
<i>Seseli libanotis</i>	Moon Carrot	Rocca Pietore boulders.
<i>Seseli kochii</i>	a moon carrot	Cimoliana.
<i>Athamanta cretensis</i>	Athamanta	Scattered records, e.g. Cimoliana.
<i>Bupleurum ranunculoides</i>	Thorow-wax	Vajont 2015.
ssp. <i>caricinum</i>		
<i>Trinia glauca</i>	Honewort	Fedaiia.
<i>Carum carvi</i>	Caraway	Cimoliana, Giau, etc.
<i>Ligusticum mutellinoides</i>	Unbranched Lovage	Fedaiia.
<i>Ligusticum mutellina</i>	Alpine Lovage	Scattered, e.g. Passo di Giau, Staulanza, Duran, and Fontanafredda.
<i>Angelica sylvestris</i>	Wild Angelica	Scattered in leaf.
<i>Ferulago campestris</i>		Lower roadsides, 2018.
<i>Peucedanum venetum</i>	a masterwort	Cimoliana, Vajont.
<i>Peucedanum cervaria</i>	Broad-leaved Spignel	In leaf.
<i>Peucedanum ostruthium</i>	Masterwort	Scattered records, e.g. base of Marmolada, and Fedaiia.
<i>Peucedanum verticillare</i>	a masterwort	Cimoliana, Belvedere, Avoscan, San Lucano.
<i>Pastinaca sativa</i>	Wild Parsnip	Sta. Croce 2023.

<i>Heracleum sphondylium</i>	Hogweed	Widespread.
<i>Laserpitium siler</i>	a sermountain	Cimoliana.
<i>Laserpitium latifolium</i>	Broad-leaved Sermountain	Scattered records, e.g. Rocca Pietore.
<i>Laserpitium gaudinii</i>	a sermountain	Apparently this species in leaf at Andreis, 2023.
<i>Laserpitium peucedanoides</i>	a sermountain	Cimoliana, Vajont, Andraz.
<i>Torilis japonica</i>	Upright Hedge-parsley	Near Venice.
<i>Daucus carota</i>	Wild Carrot	Venice roadsides and Belvedere.
<b>Gentianaceae</b>		
<i>Centaurium erythraea</i>	Common Centaury	Cimoliana 2017.
<i>Centaurium pulchellum</i>	Lesser Centaury	At the service station lunch stop on the arrival day 2018.
<i>Gentiana lutea</i>	Yellow Gentian	In leaf, 2018.
<i>Gentiana punctata</i>	Spotted Gentian	A few at Passo di Giau and Fedaia.
<i>Gentiana asclepiadea</i>	Willow Gentian	Val Cimoliana and Andraz, in leaf.
<i>Gentiana cruciata</i>	Cross Gentian	In leaf Settimana 2023.
<i>Gentiana prostrata</i>	a gentian	One at Fontanafredda 2010 was then a new record for this tour, but not seen there since!
<i>Gentiana clusii</i>	Clusius's Gentian	In fine flower Valparola, in fruit Cimoliana.
<i>Gentiana acaulis</i>	Trumpet Gentian	Fedaia, Passo di Giau, and Fontanafredda, locally common.
<i>Gentiana verna</i>	Spring Gentian	Widespread and locally common, e.g. Giau Fedaia, Marmolada, Pordoi, Staulanza.
<i>Gentiana brachyphylla</i>	a gentian	In fine flower Fedaia, Passo di Giau, Pordoi.
<i>Gentiana orbicularis</i>	a gentian	Marmolada 2018. Under snow 2019. Site not reached 2023 or 2024 due to dismantled cage lift.
<i>Gentiana bavarica</i>	Bavarian Gentian	2024 seen on Sass Pordoi.
<i>Gentiana terglouensis</i>	Triglav Gentian	Several in wet flushes at Valparola, and in bud at Giau.
<i>Gentiana nivalis</i>	Snow Gentian	Many in fine flower at Valparola.
<i>Gentiana utriculosa</i>	Bladder Gentian	Over at Fedaia and Giau.
<i>Gentiana nana</i>		Cimoliana and Fontanafredda.
<i>Gentiana pilosa</i>	a gentian	4 petals. Recorded 2012.
<i>Gentiana germanica</i>	German (or Chiltern!) Gentian	Below Giau 2017.
		Fontanafredda, in bud this year.
<b>Aslepiadaceae</b>		
<i>Vincetoxicum hirundinaria</i>	Swallow-wort	Dolomiti Friulani etc., widespread and locally common.
<b>Solanaceae</b>		
<i>Scopolia carniolica</i>		San Osvaldo, in fruit, 2008. 2010 in fruit at <i>Epipactis palustris</i> site below Passo Duran.
<i>Solanum nigrum</i>	Black Nightshade	Venice 2018.
<i>Solanum dulcamara</i>	Bittersweet	Avoscan.
<i>Solanum tuberosum</i>	Potato	San Lucano gravels 2014!
<b>Convolvulaceae</b>		
<i>Cuscuta europaea</i>	Greater Dodder	San Lucano, parasitising <i>Urtica dioica</i> , 2014.
<i>Cuscuta epithimum</i>	Dodder	Cimolais 2014.
<i>Calystegia sepium</i>	Hedge Bindweed	Roadsides lower down.

<i>Calystegia silvatica</i>	Large Bindweed	San Lucano.
<i>Convolvulus arvensis</i>	Field Bindweed	Lower roadsides, and Vajont.
<b><i>Boraginaceae</i></b>		
<i>Echium vulgare</i>	Viper's Bugloss	Widespread and locally very common.
<i>Pulmonaria officinalis</i>	Lungwort	Above Cortina, and Duran, in leaf.
<i>Pulmonaria vallarsae</i>	a lungwort	In late flower at Fontanafredda 2018!
<i>Pulmonaria australis</i>	a lungwort	Fedaia, several in flower, and Giau.
<i>Symphytum officinale</i>	Common Comfrey	Avoscan and Giau.
<i>Myosotis arvensis</i>	Field Forget-me-not	San Lucano etc.
<i>Myosotis discolor</i>	Changing Forget-me-not	
<i>Myosotis sylvatica</i>	Wood Forget-me-not	Scattered, e.g. Fontanafredda and Gares.
<i>Myosotis decumbens</i>	a forget-me-not	This at Staulanza?
<i>Myosotis alpestris</i>	Alpine Wood Forget-me-not	Scattered records at higher altitudes, e.g. Giau, Fedaia, Fontanafredda, Marmolada, locally very common.
<i>Myosotis scorpioides</i>	Water Forget-me-not	Fontanafredda 2023.
<i>Eritrichium nanum</i>	King of the Alps	Very many fine examples at Fedaia.
<i>Lappula deflexa</i>		In flower and fruit in Sottoguda gorge, 2017.
<b><i>Verbenaceae</i></b>		
<i>Verbena officinalis</i>	Vervain	Recorded 2017.
<b><i>Lamiaceae</i></b>		
<i>Ajuga genevensis</i>	Blue Bugle	Cimoliana and Duran.
<i>Ajuga pyramidalis</i>	Pyramidal Bugle	Passo di Giau, Staulanza, Passo di Fedaia, Gares, Fontanafredda.
<i>Ajuga reptans</i>	Bugle	Cimoliana.
<i>Teucrium montanum</i>	Mountain Germander	Vajont.
<i>Melittis melissophyllum</i>	Bastard Balm	A white flowered form Dont and Settimana, 2023. 2024, gone over at Cimoliana.
<i>Galeopsis ladanum</i>	Broad-leaved Hemp-nettle	In leaf.
<i>Galeopsis speciosa</i>	Large-flowered Hemp-nettle	Fontanafredda, very common after logging disturbance. Not seen 2018 or 2019. 2023, 1 below Duran, and Gares.
<i>Lamium maculatum</i>	Spotted Dead-nettle	Day 3.
<i>Lamium album</i>	White Dead-nettle	Day 9.
<i>Lamium galeobdolon</i>	Yellow Archangel	Cimoliana [ssp. <i>flavidum</i> ]
<i>Stachys alopecuroides</i>	Yellow Betony	Widespread.
<i>Stachys officinalis</i>	Betony	In leaf.
<i>Stachys alpina</i>	Limestone Woundwort	<i>Epipactis palustris</i> site, in flower, and Gares.
<i>Stachys sylvatica</i>	Hedge Woundwort	Avoscan.
<i>Stachys recta</i> ssp. <i>grandiflora</i>	Yellow Woundwort	Rocca Pietore.
<i>Prunella grandiflora</i>	Large Self-heal	Dolomiti Friulani.
<i>Prunella vulgaris</i>	Self-heal	Scattered records.
<i>Acinos alpinus</i>	Alpine Calamint	Fontanafredda and Day 9.
<i>Acinos arvensis</i>	Basil Thyme	Scattered records.
<i>Clinopodium vulgare</i>	Wild Basil	Cimoliana and Day 3.
<i>Origanum vulgare</i>	Marjoram	Rocca Pietore, Avoscan.
<i>Thymus praecox</i> ssp. <i>polytrichus</i>	Hairy Thyme	Fedaia, Giau etc.
<i>Thymus pulegioides</i>	Large-flowered Thyme	Widespread.
<i>Lycopus europaeus</i>	Gipsywort	In leaf at Vajont 2011.
<i>Mentha longifolia</i>	Horse Mint	Scattered in leaf.
<i>Horminum pyrenaicum</i>	Dragonmouth	Widespread in limey grassland at Cimoliana, Fontanafredda, Passo di Giau, Staulanza, and Passo di Fedaia, etc. Locally very common.
<i>Salvia glutinosa</i>	Sticky Sage	In leaf in Dolomiti Friulani and San Lucano.

<i>Salvia pratensis</i>	Meadow Clary	Widespread and common.
<i>Salvia saccardiana</i>	a sage	Vajont and Cimoliana.
<b><i>Plantaginaceae</i></b>		
<i>Plantago major</i>	Great Plantain	Recorded, ssp. <i>major</i> and <i>intermedia</i> .
<i>Plantago maritima serpentina</i>	a plantain	Cimoliana. Not recorded for Pordenone province in Flora Alpina.
<i>Plantago media</i>	Hoary Plantain	Widespread and locally very common.
<i>Plantago lanceolata</i>	Ribwort Plantain	
<b><i>Buddlejaceae</i></b>		
<i>Buddleja davidii</i>	Buddleia	Naturalised on river gravels.
<b><i>Oleaceae</i></b>		
<i>Fraxinus ornus</i>	Manna Ash	
<i>Fraxinus excelsior</i>	Ash	Widespread.
<i>Ligustrum vulgare</i>	Privet	Dolomiti Friulani.
<b><i>Scrophulariaceae</i></b>		
<i>Verbascum thapsus</i>	Aaron's-rod	Scattered records.
<i>Verbascum pulverulentum</i>	Hoary Mullein	Dolomiti Friulani, Belvedere, etc. Locally common on roadsides.
<i>Verbascum chaixii</i>	a mullein	Dolomiti Friulani etc.
<i>Verbascum nigrum</i>	Dark Mullein	Scattered records, e.g. San Lucano.
<i>Verbascum alpinum</i>	a mullein	Above Cortina.
<i>Scrophularia nodosa</i>	Common Figwort	Duran.
<i>Scrophularia canina</i>	Alpine Figwort	Gares.
<i>Scrophularia juratensis</i>	a figwort	
<i>Chaenorhinum minus</i>	Small Toadflax	Scattered records, e.g. Vajont and Rocca Pietore.
<i>Linaria angustissima</i>	a Toadflax	Belvedere 2023.
<i>Linaria alpina</i>	Alpine Toadflax	Fedaia and Gares gravels.
<i>Digitalis grandiflora</i>	Large Yellow Foxglove	Scattered, e.g. Rocca Pietore.
<i>Digitalis lutea</i>	Small Yellow Foxglove	Avoscan.
<i>Veronica bellidioides</i>	Violet Speedwell	Fedaia and Giau.
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	Scattered records, e.g. Giau, Gares, and Fedaia.
<i>Veronica alpina</i>	Alpine Speedwell	[ssp. <i>humifusa</i> and ssp. <i>serpyllifolia</i> ]
<i>Veronica fruticans</i>	Rock Speedwell	Giau marsh 2023.
<i>Veronica fruticulosa</i>	a speedwell	Locally common at Fontanafredda. Also Fedaia and Marmolada, where especially deep blue.
<i>Veronica urticifolia</i>	Nettle-leaved Speedwell	Belvedere and Rocca Pietore.
<i>Veronica aphylla</i>	Leafless-stemmed Speedwell	Dolomiti Friulani, Gares, etc.
<i>Veronica officinalis</i>	Heath Speedwell	Staulanza and Marmolada.
<i>Veronica chamaedrys</i>	Bird's-eye Speedwell	Fontanafredda, Duran, Cimoliana, and Staulanza.
<i>Veronica montana</i>	Wood Speedwell	Meadow margins at Fontanafredda, Duran, Staulanza, Giau, etc.
<i>Veronica beccabunga</i>	Brooklime	Gares 2015.
<i>Veronica anagallis-aquatica</i>	Blue Water-speedwell	In leaf at Giau 2023.
<i>Veronica persica</i>	Common Field Speedwell	Recorded 2023.
<i>Paederota bonarota</i>	Bluish Paederota	Dolomiti Friulani.
<i>Melampyrum velebiticum</i>	a cow-wheat	Limestone cliffs and boulders e.g. Passo di Giau (and below), Andraz, Cimoliana, and Valparola.
<i>Melampyrum sylvaticum</i>	Wood Cow-wheat	San Lucano 2023.
<i>Melampyrum pratense</i>	Common Cow-wheat	Gares, Staulanza, above Cortina, Fontanafredda.
		Dolomiti Friulani (San Osvaldo), 2023.

<i>Euphrasia rostkoviana</i>	an eyebright	Cimoliana and Gares.
<i>Euphrasia picta</i> ssp. <i>arguta</i>	an eyebright	Dolomiti Friulani.
<i>Euphrasia salisburgensis</i>	Irish Eyebright	Sottoguda gorge 2017, very small flowers.
<i>Euphrasia tricuspoidata</i>	an eyebright	Cimoliana. Alpine endemic.
<i>Bartsia alpina</i>	Alpine Bartsia	Boggy flushes at Passo di Giau, Staulanza, Duran, Fedaia, Fontanafredda, and Valparola.
<i>Pedicularis recutita</i>	a lousewort	Passo di Giau, in fine flower at two locations at the acidic bog site.
<i>Pedicularis rosea</i>	a lousewort	Several at Valparola, in leaf at Giau.
<i>Pedicularis verticillata</i>	Verticillate Lousewort	Widespread and common e.g. Staulanza, Duran, Fedaia, Fontanafredda, and Passo di Giau.
<i>Pedicularis palustris</i>	Marsh Lousewort	Fontanafredda.
<i>Pedicularis tuberosa</i>	Long-beaked Yellow Lousewort	Fedaia 2023.
<i>Pedicularis elongata</i>	a lousewort	Fontanafredda, Giau, and between Pecol and Pescul.
<i>Pedicularis rostratocapitata</i>	Beaked Lousewort	In leaf at Valparola.
<i>Pedicularis elongata</i> x <i>rostratocapitata</i>		This hybrid at Valparola, 2018.
<i>Rhinanthus minor</i>	Yellow Rattle	Dolomiti Friulani, Fontanafredda, etc.
<i>Rhinanthus glacialis</i>	Aristate Yellow-rattle	
<i>Rhinanthus pampaninii</i>	a yellow-rattle	A subendemic, Val Cimoliana.
<i>Rhinanthus freynii</i>	a yellow-rattle	Cimoliana and Fontanafredda.
<i>Rhinanthus alectorolophus</i>	Greater Yellow-rattle	Widespread.
<b>Globulariaceae</b>		
<i>Globularia bisnagarica</i>	a globularia	Vajont and Dolomiti Friulani, over this year.
<i>Globularia cordifolia</i>	Matted Globularia	Day 9.
<i>Globularia nudicaulis</i>	a globularia	Dolomiti Friulani, Passo Pordoi, and Giau. Cimoliana and above Cortina.
<b>Orobanchaceae</b>		
<i>Orobanche purpurea</i>	Yarrow Broomrape	On <i>Achillea</i> at Belvedere, a few fine plants.
<i>Orobanche alba</i>	Thyme Broomrape	Fontanafredda 2017.
<i>Orobanche caryophyllacea</i>	Bedstraw Broomrape	Scattered records 2023.
<i>Orobanche teucrii</i>	Germander Broomrape	Claut 2015, an interesting record. Parasitising <i>Teucrium montanum</i> .
<i>Orobanche flava</i>	Butterbur Broomrape	Near Barcis 2019.
<i>Orobanche gracilis</i>	Slender Broomrape	Widespread, e.g. Cimoliana, Fontanafredda.
<b>Lentibulariaceae</b>		
<i>Pinguicula alpina</i>	Alpine Butterwort	Locally in fine flower, at Passo di Giau, Marmolada at foot of chairlift, Gares, Fedaia, and Falzarego.
<i>Pinguicula leptoceras</i>	a butterwort	Day 9.
<i>Pinguicula vulgaris</i>	Common Butterwort	Scattered records, e.g. Andraz, Dont.
<b>Campanulaceae</b>		
<i>Campanula rapunculus</i>	Rampion Bellflower	Sta. Croce 2023.
<i>Campanula persicifolia</i>	Peach-leaved Bellflower	Cimoliana, San Lucano, Duran.
<i>Campanula barbata</i>	Bearded Bellflower	Fontanafredda, below Fedaia, locally common.
<i>Campanula glomerata</i>	Clustered Bellflower	Not seen 2024.
<i>Campanula cervicaria</i>	a clustered bellflower	Widespread, e.g. Cimoliana, Gares, San Osvaldo, San Lucano, below Duran. Cimoliana 2019.

<i>Campanula spicata</i>	Spiked Bellflower	Roadsides west of Longarone, Vajont, Belvedere, Rocca Pietore.
<i>Campanula latifolia</i>	Giant Bellflower	Gares valley, with very large flowers.
<i>Campanula trachelium</i>	Nettle-leaved Bellflower	Scattered records.
<i>Campanula rapunculoides</i>	Creeping Bellflower	Scattered records.
<i>Campanula carnica</i>	a bellflower	Rocca Pietore and Gares.
<i>Campanula cochlearifolia</i>	Fairy's Thimble	Gares gravels and San Lucano 2023.
<i>Campanula cespitosa</i>	Tufted Harebell	San Lucano.
<i>Campanula scheuchzeri</i>	a bellflower	Meadows and rocks e.g. Cimoliana.
<i>Campanula rotundifolia</i>	Harebell	Cimoliana, Rocca Pietore, etc.
<i>Phyteuma spicatum</i>	Spiked Rampion	Day 3.
<i>Phyteuma ovatum</i>	Dark Rampion	Gares.
<i>Phyteuma zahlbruckneri</i>	a rampion	Fontanafredda 2017.
<i>Phyteuma betonicifolium</i>	Betony-leaved Rampion	Fedaia 2023. Day 9 2024.
<i>Phyteuma orbiculare</i>	Round-headed Rampion	Giau, Fontanafredda, Fedaia, Andraz, Cimoliana.
<i>Phyteuma sieberi</i>	a rampion	Rocks: Passo di Giau, lower Marmolada, and Falzarego. Mostly in bud this year.
<i>Phyteuma hemisphaericum</i>	Globe-headed Rampion	Fedaia, Passo di Giau etc., not in flower this year.
<i>Phyteuma globulariifolium</i>	Rosette-leaved Rampion	Fedaia, in leaf this year.
<i>Physoplexis comosa</i>	Devil's Claw	Cimoliana and Cellina in fine flower.
<b>Rubiaceae</b>		
<i>Asperula aristata</i>	a squinancywort	Cimoliana 2017.
<i>Asperula cynanchica</i>	Squinancywort	Monte Grappa 2019.
<i>Galium odoratum</i>	Woodruff	Forest floors in the past.
<i>Galium palustre</i>	Common Marsh Bedstraw	Passo Duran 2019.
<i>Galium verum</i>	Lady's Bedstraw	Dolomiti Friulani, San Lucano.
<i>Galium mollugo</i>	Hedge Bedstraw	Scattered records, e.g. Cimoliana.
<i>Galium album</i>	Upright Bedstraw	Belvedere and Rocca Pietore.
<i>Galium lucidum</i>	Shining Bedstraw	Scattered records.
<i>Galium aristatum</i>	a bedstraw	Scattered records.
<i>Galium laevigatum</i>	a bedstraw	Dolomiti Friulani.
<i>Galium rubrum</i>	a bedstraw	San Lucano 2023.
<i>Galium pumilum</i>	Slender Bedstraw	Widespread.
<i>Galium anisophyllum</i>	a bedstraw	Dolomiti Friulani and Fontanafredda.
<i>Galium margaritaceum</i>	a bedstraw	Cimoliana gravels 2018.
<i>Galium aparine</i>	Cleavers	
<i>Cruciata laevipes</i>	Crosswort	Cimolais, Settimana, Duran, Gares.
<i>Cruciata glabra</i>	a Crosswort	Dolomiti Friulani and Gares 2023. 2024 Day 4.
<b>Caprifoliaceae</b>		
<i>Sambucus ebulus</i>	Dwarf Elder	Belvedere.
<i>Sambucus nigra</i>	Common Elder	Scattered records.
<i>Sambucus racemosa</i>	Red-berried Elder	Gares.
<i>Viburnum opulus</i>	Guelder Rose	
<i>Viburnum lantana</i>	Wayfaring Tree	Cellina gorge 2017.
<i>Lonicera caerulea</i>	Blue-berried Honeysuckle	Marmolada.
<i>Lonicera alpigena</i>	Alpine Honeysuckle	Gares.
<i>Lonicera nigra</i>	Black-berried Honeysuckle	Gares.
<i>Lonicera xylosteum</i>	Fly Honeysuckle	Gares, Pescol, San Lucano.
<b>Adoxaceae</b>		
<i>Adoxa moschatellina</i>	Moschatel	In flower at Gares, 2014.
<b>Valerianaceae</b>		
<i>Valeriana officinalis</i>	Common Valerian	Locally common on roadsides.

<i>Valeriana wallrothii</i>	a valerian	Scattered records, e.g. Dolomiti Friulani, locally common.
<i>Valeriana dioica</i>	Marsh Valerian	Boggy flushes, Fontanafredda, Duran, Staulanza.
<i>Valeriana tripteris</i>	Three-leaved Valerian	Scattered records, e.g. Fontanafredda, Dolomiti Friulani, Staulanza.
<i>Valeriana montana</i>	a valerian	Widespread and reasonably common, e.g. Cimoliana, Fedaia, Staulanza, Pordoi, and Giau.
<i>Valeriana saxatilis</i>	Rock Valerian	Dolomiti Friulani and Passo di Giau.
<i>Valeriana elongata</i>	a valerian	Several at Falzarego and 2 plants at Marmolada.

### **Dipsacaceae**

Having the Knautia and Scabiosa keys from Flora Europaea with me has done nothing to clarify the identification of the

species present!

<i>Dipsacus fullonum</i>	Teasel	Near Venice.
<i>Dipsacus laciniatus</i>	Cut-leaved Teasel	Apparently this species, very robust, on Venice roadsides.
<i>Knautia drymeia</i>		Dolomiti Friulani.
<i>Knautia dipsacifolia</i>	Wood Scabious	Scattered woodland edge records.
<i>Knautia ressmannii</i>		Dolomiti Friulani.
<i>Knautia longifolia</i>		Cimoliana.
<i>Knautia arvensis</i>	Field Scabious	Cimoliana.
<i>Scabiosa triandra</i>	a scabious	Cimoliana.
<i>Scabiosa columbaria</i>	Small Scabious	Dolomiti Friulani and Fontanafredda.
<i>Lomelosia graminifolia</i>	a scabious	Cimolais to Barcis roadsides. Not seen 2023 or 2024, the verges mowed!

### **Asteraceae**

<i>Eupatorium cannabinum</i>	Hemp-agrimony	Scattered records.
<i>Solidago virgaurea</i>	Goldrenrod	Local, e.g. Giau and Fedaia.
<i>Aster alpinus</i>	Alpine Aster	Belvedere, Fontanafredda, San Lucano.
<i>Aster bellidiastrum</i>	False Aster	Dolomiti Friulani, Fontanafredda, Gares, Staulanza.
		Locally common.
<i>Erigeron annuus</i>	Annual Fleabane	Widespread and often numerous.
<i>Erigeron acer</i>	Blue Fleabane	Belvedere.
<i>Erigeron atticus</i>	Greek Fleabane	Passo di Giau 2018.
<i>Erigeron alpinus</i>	Alpine Fleabane	Rocks on Passo di Giau, and Fedaia.
<i>Erigeron neglectus</i>	Neglected Fleabane	Fedaia and Falzarego 2018.
<i>Erigeron glabratus</i>	Variable Fleabane	Day 3.
<i>Antennaria dioica</i>	Mountain Everlasting	Local in drier unshaded places at Cimoliana, Fontanafredda, Giau, etc.
<i>Antennaria carpatica</i>	Carpathian Catsfoot	Fedaia and Giau.
<i>Leontopodium alpinum</i>	Edelweiss	Cimoliana, Valparola, Giau, and one in flower
		Gares river gravels.
<i>Bupthalmum salicifolium</i>	Yellow Ox-eye	Verges and meadows, widespread, e.g. Dolomiti Friulani.
<i>Galinsoga ciliata</i>	a gallant soldier	Pavement weed.
<i>Achillea oxyloba</i>	Alpine Sneezewort	Near the Marmolada dam, and Valparola.
<i>Achillea erba-rota ssp.moschata</i>	a milfoil	In leaf at Fedaia.
<i>Achillea atrata</i>	Dark-stemmed Sneezewort	Low on Marmolada, Fedaia, Valparola and Falzarego.

<i>Achillea clavennae</i>	Silvery Milfoil	Rocks on Passo di Giau, Fedaiia, Falzarego.
<i>Achillea macrophylla</i>	Large-leaved Sneezewort	Dolomiti Friulani roadsides. 2023.
<i>Achillea millefolium</i>	Yarrow	Widespread.
<i>Achillea roseoalba</i>	a yarrow	Dolomiti Friulani, Fedaiia meadows.
<i>Tripleurospermum inodorum</i>	Scentless Mayweed	Recorded 2018.
<i>Matricaria chamomilla</i>	Scented Mayweed	Pavement weed.
<i>Matricaria discoidea</i>	Pineapple-weed	Above Longarone.
<i>Tanacetum corymbosum</i>	a tansy	Fedaiia 2018.
<i>Leucanthemopsis alpina</i>	Alpine Moon Daisy	Dolomiti Friulani etc.
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	Cimoliana.
<i>Leucanthemum heterophyllum</i>	an ox-eye daisy	Scattered records.
<i>Artemisia vulgaris</i>	Mugwort	Belvedere.
<i>Artemisia absinthium</i>	Wormwood	Fedaiia.
<i>Artemisia genipi</i>	a wormwood	Widespread in leaf.
<i>Tussilago farfara</i>	Coltsfoot	In leaf and fruit.
<i>Petasites albus</i>	White Butterbur	Similar habitats to latter but at lower altitudes, in leaf and fruit.
<i>Petasites hybridus</i>	Butterbur	In leaf at Valparola.
<i>Petasites paradoxus</i>	Alpine Butterbur	Common in shade and among rocks e.g. Passo di Giau, Cimoliana, Fedaiia, Staulanza, Gares, Fontanafredda.
<i>Homogyne alpina</i>	Alpine Coltsfoot	Valparola, in leaf.
<i>Homogyne discolor</i>	an alpine coltsfoot	Forests, margins and meadows, e.g. Giau, Marmolada, Duran.
<i>Adenostyles alliariae</i>	Adenostyles	Cimoliana.
<i>Adenostyles glabra</i>		Scattered in meadows at Fontanafredda, Fedaiia, and Duran.
<i>Arnica montana</i>	Arnica	In flower at Falzarego and Giau.
<i>Doronicum columnae</i>	Heart-leaved Leopard's-bane	Fedaiia 2015.
<i>Doronicum glaciale</i>	a leopard's-bane	Leached grassland, Passo di Giau, Fedaiia. In leaf this year. [ssp.carniolicus]
<i>Senecio incanus</i>	Grey Alpine Groundsel	Longarone roadsides 2018, native to South Africa.
<i>Senecio inaequidens</i>	Narrow-leaved Ragwort	Gares, San Lucano.
<i>Senecio germanicus</i> ssp.glabratus	Wood Ragwort	Gares.
<i>Senecio cacaliaster</i>	a ragwort	Meadows and moist flushes at Staulanza (bud),
<i>Senecio alpinus</i>	Alpine Ragwort	Fontanafredda, and at Passo Duran.
<i>Senecio rupestris</i>	Rock (Oxford) Ragwort	Marmolada.
<i>Senecio abrotanifolius</i>	a ragwort	A few in Settimana valley. 2023.
<i>Senecio vulgaris</i>	Common Groundsel	Gares and Fedaiia meadow.
<i>Tephrosieris tenuifolia</i>	a ragwort	Old fruiting heads.
<i>Carlina acaulis</i>	Stemless Carlina Thistle	
<i>Arctium lappa</i>	Greater Burdock	
<i>Arctium minus</i>	Lesser Burdock	
<i>Saussurea discolor</i>		Valparola boulders, in bud. 2023.
<i>Carduus nutans</i>	Musk Thistle	Day 3.
<i>Carduus personata</i>	Great Marsh Thistle	Widespread in moist forest edges, e.g. Duran,
<i>Carduus defloratus</i>	Alpine Thistle	Gares and San Lucano. Locally common.
<i>Cirsium eriophorum</i>	Woolly-headed Thistle	Widespread. More than one subspecies present.
<i>Cirsium vulgare</i>	Spear Thistle	Cimoliana 2014.
<i>Cirsium montanum</i>	a thistle	Venice Airport.
<i>Cirsium erisithales</i>	Yellow Melancholy Thistle	Gares, San Lucano.
<i>Cirsium carniolicum</i>	a thistle	Widespread and locally common.
<i>Cirsium oleraceum</i>	Cabbage Thistle	San Lucano 2018.
<i>Cirsium spinosissimum</i>	Spiniest Thistle	Dont.
		Grassland on Passo di Giau, Fedaiia, and

<i>Cirsium helenoides</i>	Melancholy Thistle	Falzarego.
<i>Cirsium palustre</i>	Marsh Thistle	Fontanafredda and Gares in bud.
<i>Cirsium arvense</i>	Creeping Thistle	Avoscan and above Cortina.
<i>Centaurea dichroantha</i>	a knapweed	Scattered records.
		Yellow and purple forms in Settimana, the yellow much more numerous, only 1 purple plant seen.
<i>Centaurea scabiosa</i>	Greater Knapweed	Scattered records.
<i>Centaurea jacea</i>	Brown Knapweed	Vajont, in bud, ssp. <i>angustifolia</i> ?
<i>Centaurea nigrescens</i>	a knapweed	Scattered records, e.g. Giau, Cimoliana and Rocca Pietore.
<i>Centaurea pseudophrygia</i>	a knapweed	In bud Giau, 2018.
<i>Centaurea nervosa</i>	Plume Knapweed	Fedaia.
<i>Centaurea montana</i>	Perennial Cornflower	Vajont and below San Pellegrino.
<i>Centaurea stoebe</i>	a knapweed	Near Venice.
<i>Cichorium intybus</i>	Chicory	Verges lower down.
<i>Aposeris foetida</i>	Aposeris	Common under spruce e.g. Fontanafredda, Settimana, Duran, above Cortina.
		Valparola.
<i>Hypochoeris uniflora</i>	Giant Cat's-ear	Day 9.
<i>Hypochoeris facchiniana</i>	a cat's-ear	
<i>Hypochoeris radicata</i>	Cat's-ear	
<i>Leontodon helveticus</i>	a hawkbit	Fedaia, not in flower this year.
<i>Leontodon hispidus</i>	Rough Hawkbit	Cimoliana.
<i>Leontodon incanus incanus</i>		Dolomiti Friulani.
<i>Leontodon incanus tenuiflorus</i>	a hawkbit	
<i>Picris echioides</i>	Bristly Oxtongue	Venice area.
<i>Picris hieracioides</i>	Hawkweed Oxtongue	
<i>Scorzonera aristata</i>	Bearded Viper's-grass	Giau and upper Fontanafredda.
<i>Tragopogon pratensis</i>	Goatsbeard	Scattered records, e.g. Cimoliana.
<i>Sonchus asper</i>	Prickly Sow-thistle	San Lucano.
<i>Sonchus oleraceus</i>	Smooth Sow-thistle	
<i>Lactuca serriola</i>	Prickly Lettuce	Roadsides lower down.
<i>Cicerbita alpina</i>	Alpine Sow-thistle	Fontanafredda 2023.
<i>Prenanthes purpurea</i>	Purple Lettuce	Gares, in bud.
<i>Mycelis muralis</i>	Wall Lettuce	Scattered records.
<i>Taraxacum palustre</i>	Marsh Dandelion	Valparola.
<i>Taraxacum officinale</i>	Dandelion	Widespread.
<i>Taraxacum spp.</i>	Dandelions	
<i>Chondrilla chondrilloides</i>	a lettuce	Dolomiti Friulani, locally very common.
<i>Lapsana communis</i>	Nipplewort	Scattered records.
<i>Crepis paludosa</i>	Marsh Hawksbeard	Scattered, e.g. Gares.
<i>Crepis aurea</i>	Golden Hawksbeard	Locally common, e.g. Passo di Giau, Duran, Staulanza, and Fontanafredda.
		Valparola 2015.
<i>Crepis bocconei</i>	a hawksbeard	In bud Passo Duran 2023.
<i>Crepis pyrenaica</i>	a hawksbeard	Cimoliana 2015.
<i>Crepis alpestris</i>	a hawksbeard	Pink flowers. Several in Cimoliana.
<i>Crepis froelichiana dinarica</i>	a hawksbeard	Lower altitudes.
<i>Crepis capillaris</i>	Smooth Hawk's-beard	Scattered records.
<i>Hieracium staticifolium</i>	a hawkweed	Andraz.
<i>Hieracium hoppeanum</i>	a hawkweed	Fontanafredda, Giau, etc.
<i>Hieracium pilosella</i>	Mouse-ear Hawkweed	
<i>Hieracium lactucella</i>	a hawkweed	
<i>Hieracium piloselloides</i>	a hawkweed	
<i>Hieracium cymosum</i>	a hawkweed	Passo Fedaia.
<i>Hieracium caespitosum</i>	Yellow Fox-and-Cubs	Belvedere 2023.
<i>Hieracium aurantiacum</i>	Fox-and-Cubs	Fedaia meadow 2023.
<i>Hieracium bifidum</i>	a hawkweed	Cimoliana etc.
<i>Hieracium villosum</i>	a hawkweed	Passo di Giau etc.
<i>Hieracium pilosum</i>	a hawkweed	Passo di Giau etc.
<i>Hieracium piliferum</i>	a hawkweed	

<i>Hieracium humile</i>	a hawkweed	Avoscan.
<i>Hieracium umbellatum</i>	Narrow-leaved Hawkweed	Settimana 2023.

## D. ANGIOSPERMS – MONOCOTYLEDONES

### **Butomaceae**

<i>Butomus umbellatus</i>	Flowering-rush	Roadside ditches near Marco Polo airport. Not seen there since 2014.
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### **Juncaginaceae**

<i>Triglochin palustris</i>	Marsh Arrow-grass	Duran.
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### **Araceae**

<i>Arum italicum</i>	Italian Lords and Ladies	Near Venice 2017.
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### **Juncaceae**

<i>Juncus jacquinii</i>	a rush	Giau and Fedaia, on acidic substrate. In bud this year.
<i>Juncus filiformis</i>	Thread Rush	Scattered records.
<i>Juncus trifidus</i>	Three-leaved Rush	Acid grassland on Passo di Giau and Passo Fedaia.
<i>Juncus monanthus</i>	a rush	On calcareous substrates, Giau and low on Marmolada.
<i>Juncus compressus</i>	Round-fruited Rush	Scattered records.
<i>Juncus tenuis</i>	Slender Rush	Dolomiti Friulani, Gares, etc.
<i>Juncus bufonius</i>	Toad Rush	Settimana, etc.
<i>Juncus alpinoarticulatus</i>	Alpine Rush	Scattered records.
<i>Juncus articulatus</i>	Jointed Rush	Wet flushes, Dolomiti Friulani, etc.
<i>Juncus triglumis</i>	Three-flowered Rush	Several in wet flushes at Andraz.
<i>Luzula campestris</i>	Field Woodrush	Fontanafredda and Giau etc.
<i>Luzula multiflora</i>	Many-flowered Woodrush	Scattered records, e.g. Staulanza.
<i>Luzula pallidula</i>	Fen Wood-rush	Fen at Gares 2015 and 2017. New for Belluno province?
<i>Luzula sudetica</i>	a woodrush	More acid grassland at Passo di Giau, Fontanafredda, etc.
<i>Luzula alpina</i>	Alpine Woodrush	Fontanafredda.
<i>Luzula spicata mutabilis</i>	a woodrush	Acid sward at Fedaia, Giau, and Fontanafredda.
<i>Luzula sylvatica</i>	Great Woodrush	Giau 2014.
<i>Luzula sieberi</i>	a woodrush	At the 'north of Cortina' lunch site 2023.
<i>Luzula nivea</i>	a woodrush	Dolomiti Friulani etc.
<i>Luzula luzuloides</i>	White Woodrush	Forests at Fontanafredda etc.
<i>Luzula alpinopilosa</i>	a woodrush	<i>ssp.rubella</i> at Fontanafredda and Gares.
<i>Luzula glabrata</i>	a woodrush	Locally common on acidic substrates.
<i>Luzula pilosa</i>	Hairy Woodrush	Deep acid soils at Giau.
		Scattered records.
<b>Cyperaceae</b>		
<i>Scirpus sylvaticus</i>	Wood Club-rush	Duran 2018.
<i>Trichophorum alpinum</i>	Cotton Deer-grass	Fontanafredda.
<i>Trichophorum caespitosum</i>	Deer-grass	Valparola and Giau bogs.
<i>Blysmus compressus</i>	Flat-headed Sedge	Giau, Duran, Fontanafredda, Andraz.
<i>Eriophorum angustifolium</i>	Common Cotton-grass	Wet flushes at Fontanafredda and Passo di Giau.
<i>Eriophorum latifolium</i>	Broad-leaved Cotton-grass	Duran and Day 9.
<i>Eriophorum vaginatum</i>	Hare's-tail Cotton-grass	Bog near Passo do Giau, in bud.
<i>Eleocharis quinqueflora</i>	Few-flowered Spike-rush	Valparola 2019.
<i>Elyna myosuroides</i>		Fedaia 2015.
<i>Carex paniculata</i>	Tussock Sedge	Staulanza, Gares, Duran, etc.

<i>Carex appropinquata</i>	Fibrous Tussock Sedge	Duran.
<i>Carex spicata</i>	Spiked Sedge	Fedaia and Day 4.
<i>Carex pairae</i>	a sedge	San Lucano, Dolomiti Friulani, etc.
<i>Carex divulsa</i>	Grey Sedge	Venice area.
<i>Carex stenophylla</i>	a sedge	Apparently this rather obscure species at Andraz, 2017. This would apparently have been a new record for Belluno province.
<i>Carex leporina</i>	Oval Sedge	Gares.
<i>Carex echinata</i>	Star Sedge	Dont.
<i>Carex dioica</i>	Dioecious Sedge	Dont.
<i>Carex davalliana</i>	Davall's Sedge	Duran and Fontanafredda.
<i>Carex lachenalii</i>	Hare's-foot Sedge	Giau bog.
<i>Carex curvula</i>	Curved Sedge	On acidic substrate at Giau, with <i>Loiseleuria procumbens</i> .
<i>Carex hirta</i>	Hairy Sedge	Below Cortina.
<i>Carex lasiocarpa</i>	Slender Sedge	Santa Croce lake shore 2014.
<i>Carex rostrata</i>	Bottle Sedge	Duran.
<i>Carex pendula</i>	Pendulous Sedge	Venice area 2019.
<i>Carex sylvatica</i>	Wood Sedge	Cimoliana, Duran, and Gares.
<i>Carex capillaris</i>	Hair Sedge	Fine at Fontanafredda, Giau, and Valparola.
<i>Carex flacca</i>	Glaucous Sedge	Widespread and very common. Often very tall.
<i>Carex panicea</i>	Carnation Sedge	Marshes: Passo di Giau, Dont, Duran, and Cimoliana.
<i>Carex flava</i>	Great Yellow-sedge	Dolomiti Friulani, Dont, Gares.
<i>Carex lepidocarpa</i>	Long-stalked Yellow Sedge	Cimoliana, Dont, Duran.
<i>Carex demissa</i>	a yellow sedge	Cimoliana.
<i>Carex viridula</i>	a yellow sedge	
<i>Carex pallescens</i>	Pale Sedge	Duran.
<i>Carex halleriana</i>	a sedge	Cimoliana.
<i>Carex digitata</i>	Fingered Sedge	Cimoliana and Day 4.
<i>Carex ornithopoda</i>	Bird's-foot Sedge	Cimoliana.
<i>Carex ornithopodioides</i>	a bird's-foot sedge	Scattered records, e.g. Giau. Locally common.
<i>Carex humilis</i>	Dwarf Sedge	
<i>Carex caryophyllea</i>	Spring Sedge	Giau, slope above acid marsh, and Fedaia.
<i>Carex tomentosa</i>	Downy-fruited Sedge	Dont 2023.
<i>Carex montana</i>	Soft-leaved Sedge	Scattered records, e.g. Vajont, Fontanafredda, and Andraz.
<i>Carex pilulifera</i>	Pill Sedge	Settimana 2018.
<i>Carex alba</i>	White-flowered Sedge	Dolomiti Friulani. Locally very common.
<i>Carex sempervirens</i>	Evergreen Sedge	Widespread and common.
<i>Carex firma</i>	a sedge	Cimoliana, Giau, Falzarego. Locally common.
<i>Carex mucronata</i>	a sedge	Valparola.
<i>Carex ferruginea</i>	a sedge	Widespread, e.g. Dolomiti Friulani. <i>ssp.ferruginea</i> and <i>australpina</i> .
<i>Carex brachystachys</i>	a sedge	Giau.
<i>Carex frigida</i>	a sedge	Gares 2014.
<i>Carex limosa</i>	Bog Sedge	Andraz 2018.
<i>Carex atrata</i>	Jet Sedge	Fedaia, Giau, and Valparola. [ <i>ssp. aterrima</i> ]
<i>Carex nigra</i>	Common Sedge	Marshy ground at Fontanafredda, Passo di Giau, Duran, Staulanza, etc.
<i>Carex rupestris</i>	Rock Sedge	Fedaia, Giau, and Day 8.
<i>Carex pulicaris</i>	Flea Sedge	Fontanafredda 2017.
<b>Poaceae</b>		
<i>Festuca paniculata</i>	a fescue	

<i>Festuca spectabilis</i>	a fescue	Cimoliana.
<i>Festuca gigantea</i>	Giant Fescue	Sottoguda 2016.
<i>Festuca pratensis</i>	Meadow Fescue	Scattered records.
<i>Festuca valesiaca</i>	a fescue	Dominant in grassland on Passo di Fedaia.
<i>Festuca brevipila</i>	Hard Fescue	
<i>Lolium perenne</i>	Perennial Rye-grass	Scattered records.
<i>Lolium multiflorum</i>	Italian Rye-grass	
<i>Poa annua</i>	Annual Meadow-grass	Widespread.
<i>Poa trivialis</i>	Rough Meadow-grass	S.Osvaldo etc.
<i>Poa pratensis</i>	Smooth Meadow-grass	Scattered records.
<i>Poa minor/Poa cenisia</i>	an alpine meadow-grass	One or both species present on Marmolada, 2019.
<i>Poa nemoralis</i>	Wood Meadow-grass	
<i>Poa bulbosa</i>	Bulbous Meadow-grass	Scattered records, e.g. Fontanafredda, Gares, and Cimoliana.
<i>Poa alpina</i>	Alpine Meadow-grass	Grassy knolls and rocks at Fontanafredda, Passo di Giau, Fedaia, generally viviparous.
<i>Poa angustifolia</i>	a meadow-grass	
<i>Dactylis glomerata</i>	Cock's-foot	Widespread.
<i>Briza media</i>	Quaking Grass	Locally common, e.g. Fontanafredda and Dolomiti Friulani.
<i>Sesleria sphaerocephala</i>		Rocks on Passo di Giau.
<i>Sesleria caerulea</i>		Limestone: Passo di Giau, Cimoliana, etc. Locally dominant.
<i>Oreochloa disticha</i>		In attractive flower on acidic rocks, Fedaia. Not seen 2023 or 2024.
<i>Melica nutans</i>	Mountain Melick	Cimoliana and Fontanafredda.
<i>Melica ciliata</i>	Ciliate Melick	Dolomiti Friulani and Belvedere.
<i>Glyceria notata</i>	Plicate Sweet-grass	In the lake at San Lucano, 2018.
<i>Bromus tectorum</i>	Drooping Brome	Rocca Pietore.
<i>Bromus inermis</i>	Hungarian Brome	Fontanafredda and Dolomiti Friulani.
<i>Bromus benekenii</i>	Lesser Hairy-brome	San Lucano 2017.
<i>Bromus erectus</i>	Upright Brome	
<i>Brachypodium sylvaticum</i>	Wood False-brome	
<i>Brachypodium pinnatum</i>	Tor Grass	
<i>Brachypodium rupestre</i>		Dolomiti Friulani etc.
<i>Elymus caninus</i>	Bearded Couch	
<i>Elymus repens</i>	Common Couch	
<i>Avena sp.</i>	an oat	Near Venice.
<i>Helictotrichon pubescens</i>	Hairy Oat	
<i>Helictotrichon pratense</i>	Meadow Oat	
<i>Arrhenatherum elatius</i>	False Oat-grass	
<i>Koeleria pyramidata</i>	Pyramidal hair-grass	Dolomiti Friulani, locally numerous.
<i>Trisetum flavescens</i>	Yellow Oat-grass	
<i>Deschampsia cespitosa</i>	Tufted Hair-grass	Moist flushed ground at Fontanafredda.
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	Cimoliana etc.
<i>Anthoxanthum alpinum</i>	Alpine Vernal-grass	Giau and Fedaia.
<i>Agrostis canina</i>	Velvet Bent	Dolomiti Friulani.
<i>Agrostis alpina</i>	a bent-grass	Fedaia.
<i>Agrostis rupestris</i>	a bent-grass	
<i>Agrostis stolonifera</i>	Creeping Bent-grass	
<i>Calamagrostis pseudophragmites</i>	a small-reed	River gravels lower down.
<i>Calamagrostis varia</i>	a small-reed	<i>Saxifraga hostii</i> site.
<i>Phleum pratense</i>	Timothy	Meadows.
<i>Phleum alpinum</i>	Alpine Cat's-tail	Fedaia.
<i>Phleum rhaeticum</i>	a cat's-tail	Fontanafredda, Fedaia, etc.
<i>Phleum phleoides</i>	Purple-stem Cat's-tail	Dolomiti Friulani 2016.
<i>Phleum hirsutum</i>	a cat's-tail	

<i>Alopecurus pratensis</i>	Meadow Foxtail	Fontanafredda.
<i>Phalaris arundinacea</i>	Reed Canary-grass	Sta. Croce 2023.
<i>Phragmites australis</i>	Common Reed	Dont, and Venice area.
<i>Molinia caerulea</i>	Purple Moor-grass	
<i>Molinia arundinacea</i>		Monte Grappa 2019.
<i>Nardus stricta</i>	Mat-grass	Giau, Fedaia, Fontanafredda.
<i>Cynodon dactylon</i>	Bermuda Grass	Near Venice.
<i>Echinochloa crus-galli</i>	Cockspur	Venice.
<i>Setaria verticillata</i>	Rough Bristle-grass	
<i>Sorghum halepense</i>		Roadsides lower down.
<b>Typhaceae</b>		
<i>Typha latifolia</i>	Bulrush	Roadsides lower down.
<b>Liliaceae</b>		
<i>Tofieldia calyculata</i>	Tofield's Asphodel	Dolomiti Friulani, Fontanafredda, etc. Widespread and locally numerous.
<i>Veratrum album</i>	White False-helleborine	Scattered in leaf, e.g. Staulanza.
<i>Anthericum ramosum</i>		Sta.Croce 2023
<i>Paradisea liliastrum</i>	St. Bruno's Lily	Common below Fedaia.
<i>Hemerocallis lilio-asphodelus</i>	a day lily	An intriguing probable endemic, Val Cimoliana, in fine flower.
<i>Hemerocallis fulva</i>	a day lily	Naturalised.
<i>Colchicum autumnale</i>	Meadow Saffron	In fruit in Cimoliana meadows.
<i>Lloydia serotina</i>	Snowdon Lily	Numerous at Fedaia.
<i>Gagea fragifera</i>		2 in Passo di Giau marsh, 2014.
<i>Lilium martagon</i>	Martagon Lily	Forest edges and meadows, widespread. In flower, e.g. San Lucano.
<i>Lilium bulbiferum</i>	Orange Lily	Locally very common.
<i>Ornithogalum pyrenaicum</i>	Spiked Star-of-Bethlehem	Lower Monte Grappa 2019.
<i>Allium schoenoprasum</i>	Chives	Staulanza (in bud) and Valparola.
<i>Allium victorialis</i>	Alpine Leek	In leaf below Giau, 2019.
<i>Allium carinatum</i>	Keeled Garlic	In bud at <i>Epipactis palustris</i> site, 2017.
<i>Allium vineale</i>	Crow Garlic	Rocca Pietore, in bud.
<i>Convallaria majalis</i>	Lily-of-the-valley	Cimoliana and San Lucano, in leaf.
<i>Maianthemum bifolium</i>	May-lily	Gares.
<i>Streptopus amplexifolius</i>		Gares.
<i>Polygonatum verticillatum</i>	Whorled Solomon's-seal	Gares.
<i>Polygonatum multiflorum</i>	Solomon's Seal	Belvedere 2019.
<i>Polygonatum odoratum</i>	Scented Solomon's-seal	Giau.
<i>Paris quadrifolia</i>	Herb Paris	Gares and below Duran.
<b>Iridaceae</b>		
<i>Sisyrinchium montanum</i>	American Blue-eyed Grass	Naturalised upper Settimana, 2023.
<i>Crocus albiflorus</i>	White Crocus	By recent snowmelt at Fedaia.
<b>Orchidaceae</b>		
<i>Cypripedium calceolus</i>	Lady's Slipper Orchid	2016: Many in fine flower at Cimoliana, c.6 at Sottoguda, and the one below Staulanza over this year. 2017: Already over at all sites! 2018: Over at Cimoliana. Fine below Staulanza and in Sottoguda Gorge. 2019: Many in fine flower at Cimoliana. 2023: We could not reach the Cimoliana site due to the closed road. A group of plants in superb flower below Staulanza. 2024: More or less over at Cimoliana. Four plants in fine flower below Staulanza.
<i>Epipactis palustris</i>	Marsh Helleborine	Dont and Vajont.

<i>Epipactis helleborine</i>	Broad-leaved Helleborine	Dolomiti Friulani.
<i>Epipactis atrorubens</i>	Dark Red Helleborine	Vajont.
<i>Epipactis microphylla</i>	a helleborine	2, Cimoliana, 2017.
<i>Cephalanthera longifolia</i>	Sword-leaved Helleborine	Cimoliana.
<i>Cephalanthera rubra</i>	Red Helleborine	c.4 in fine flower San Osvaldo.
<i>Neottia nidus-avis</i>	Bird's-nest Orchid	Several in Cimoliana.
<i>Listera ovata</i>	Twayblade	Widespread.
<i>Listera cordata</i>	Lesser Twayblade	3 near Staulanza.
<i>Goodyera repens</i>	Creeping Lady's Tresses	Last stop on Day 4, 2013.
<i>Platanthera bifolia</i>	Lesser Butterfly Orchid	Widespread, locally very common, Dolomiti Friulani, Giau, and Fedaia meadows.
<i>Platanthera chlorantha</i>	Greater Butterfly Orchid	5 on a boulder at Gares, 2024.
<i>Chamorchis alpina</i>	False Orchid	c.15 in late bud at Valparola. Not seen 2024 despite intensive searching.
<i>Gymnadenia conopsea</i>	Fragrant Orchid	Widespread and often common.
<i>Gymnadenia odoratissima</i>	Short-spurred Fragrant Orchid	Cimoliana.
<i>Pseudorchis albida</i>	Small White Orchid	Fontanafredda and Giau.
<i>Nigritella rhellicani</i>	Black Vanilla Orchid	Fontanafredda.
<i>Nigritella rubra</i>	Red Vanilla Orchid	Below the Passo di Giau, and at Fedaia. Not seen 2018, 2019, 2023, or 2024.
<i>Coeloglossum viride</i>	Frog Orchid	Short turf, Fontanafredda, Fedaia, Gares, Marmolada.
<i>Dactylorhiza sambucina</i>	Elder-flowered Orchid	2023 Fontanafredda, both purple and yellow forms, still in flower. 1 purple form at Fedaia.
<i>Dactylorhiza majalis</i>	Alpine Marsh Orchid	2 purple Giau. A few Monte Grappa. 2019. 2024 1, purple form, at Fontanafredda.
<i>Dactylorhiza traunsteineri</i>	Narrow-leaved Marsh Orchid	Very common in wet areas over 1800m, Duran, Fontanafredda, Staulanza, etc.
<i>Dactylorhiza lapponica</i>	a marsh orchid	Dont.
<i>Dactylorhiza fuchsii</i>	Common Spotted Orchid	Giau 2018.
<i>Traunsteinera globosa</i>	Round-headed Orchid	Locally very common in woods and meadows.
<i>Orchis ustulata</i>	Burnt Orchid	Fedaia meadow.
<i>Orchis militaris</i>	Military Orchid	c.10 in flower in grassland at Fontanafredda.
<i>Orchis mascula</i>	Early Purple Orchid	4 at Vajont, 2019.
<i>Anacamptis pyramidalis</i>	Pyramidal Orchid	Several at Fedaia. 1 at Giau. = <i>Orchis ovalis</i> , <i>Orchis mascula</i> ssp. <i>ovalis</i> , or <i>Orchis mascula</i> ssp. <i>signifera</i> .
<i>Ophrys insectifera</i>	Fly Orchid	Cimoliana meadows.
<i>Corallorhiza trifida</i>	Coralroot Orchid	3, Cimoliana.
<i>Liparis loeselii</i> ssp. <i>nemoralis</i>	Fen Orchid	Staulanza woods, and Cimoliana (in fruit). A superb find in 2018 was two robust plants at Vajont. An endemic subspecies which grows in woodland, known from only 6 sites. Not seen
<i>Malaxis monophyllos</i>	Single-leaved Bog Orchid	2019, 2023, or 2024.
		2016: 2 at San Osvaldo, 5 at Posalz.
		2017: c.8 at Posalz.
		2018: 2 at Posalz.
		2023: 1 at Gares, 1 at Posalz.

## Systematic List Number 2

## Butterflies

The nomenclature and the systematic order follow Tolman and Lewington's *Butterflies of Britain and Europe* published by HarperCollins (1997).

### ***Papilionidae***

Swallowtail	<i>Papilio machaon</i>	Cimoliana and Belvedere.
Scarce Swallowtail	<i>Iphiclides podalirius</i>	Several near Venice.
Apollo	<i>Parnassias apollo</i>	Belvedere.

### ***Pieridae***

Large White	<i>Pieris brassicae</i>	Scattered records.
Black-veined White	<i>Aporia crataegi</i>	Widespread, numerous Dolomiti Friulani. Also San Lucano.
Small White	<i>Artogeia rapae</i>	Andraz.
Green-veined White	<i>Artogeia napi</i>	Scattered records.
Mountain Green-veined White	<i>Artogeia bryoniae</i>	Marmolada and Falzarego.
Peak White	<i>Pontia callidice</i>	Giau 2023.
Orange-tip	<i>Anthocharis cardamines</i>	A male at San Lucano.
Clouded Yellow	<i>Colias crocea</i>	Widespread in small numbers.
Brimstone	<i>Gonepteryx rhamni</i>	Dolomiti Friulani.
Wood White	<i>Leptidea sinapis</i>	Widespread in small numbers.

### ***Lycaenidae***

Blue-spot Hairstreak	<i>Satyrrium spini</i>	Vajont.
Green Hairstreak	<i>Callophrys rubi</i>	Day 9.
Scarce Copper	<i>Lycaena virgaureae</i>	San Lucano 2023.
Sooty Copper	<i>Lycaena tityrus</i>	Singletons Day 5 and Fedaiia meadow, 2023.
Purple-shot Copper	<i>Lycaena alciphron</i>	Settimana 2023.
Purple-edged Copper	<i>Lycaena hippothoe</i>	Day 9, 2023.
Little Blue	<i>Cupido minimus</i>	Widespread.
Holly Blue	<i>Celastrina argiolus</i>	Sta. Croce 2023.
Large Blue	<i>Maculinea arion</i>	Andraz.
Silver-studded Blue	<i>Plebejus argus</i>	Scattered records.
Idas Blue	<i>Plebejus idas</i>	San Lucano 2023.
Brown Argus	<i>Aricia agestis</i>	Duran 2023.
Mazarine Blue	<i>Cyaniris semiargus</i>	Andraz.
Amanda's Blue	<i>Agrodiaetus amanda</i>	Gares 2023.
Adonis Blue	<i>Lysandra bellargus</i>	Cimoliana and Vajont.
Common Blue	<i>Polyommatus icarus</i>	Gares.

### ***Riodinidae***

Duke of Burgundy Fritillary	<i>Hamaeris lucina</i>	Cimoliana.
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### ***Libytheidae***

Nettle-tree Butterfly	<i>Libythea celtis</i>	Seen by PGC the day the group arrived, 2023.
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### ***Nymphalidae***

Purple Emperor	<i>Apatura iris</i>	Sta. Croce 2023.
Hungarian Glider	<i>Neptis rivularis</i>	Cimoliana.
Large Tortoiseshell	<i>Nymphalis polychloros</i>	Fontanafredda 2023.
Red Admiral	<i>Vanessa atalanta</i>	Widespread in small numbers 2023.
Painted Lady	<i>Vanessa cardui</i>	Numerous in 2009, none in 2008, on only 2 days in 2010. A very worn individual at Fontanafredda 2011. Not seen 2012. 2013 on 4 days. 2014 only on one day. 2015 on 4 days. 2016, seen on 6 days. 2018 seen on 6 days.

Small Tortoiseshell	<i>Aglais urticae</i>	2019 very common, seen on 7 days.
Comma	<i>Polygonia c-album</i>	2023, only on Day 4. 2024 none!
Silver-washed Fritillary	<i>Argynnis paphia</i>	Scattered at higher altitudes, also Gares.
Shepherd's/Mountain Fritillary	<i>Boloria pales/napaea</i>	Cellina.
Titania's Fritillary	<i>Clossiana titania</i>	Cellina 2023.
Pearl-bordered Fritillary	<i>Clossiana euphrosyne</i>	One of these species in flight at Fedaiia 2023.
False Heath Fritillary	<i>Melitaea diamina</i>	Above Cortina.
Heath Fritillary	<i>Mellicta athalia</i>	Fontanafredda and Gares 2023.
Marsh Fritillary	<i>Euphydryas aurinia</i>	Dolomiti Friulani, Day 5, San Lucano 2023.
		Scattered records 2023.
		Day 5 2023.
<b>Satyridae</b>		
Marbled White	<i>Melanargia galathea</i>	Scattered records.
Alpine Grayling	<i>Oeneis glacialis</i>	One at Fedaiia, just emerged from its pupa, 2023.
Arran Brown	<i>Erebia ligea</i>	Cimoliana.
Large Ringlet	<i>Erebia euryale</i>	Gares 2023.
Woodland Ringlet	<i>Erebia medusa</i>	Scattered records.
Almond-eyed Ringlet	<i>Erebia alberganus</i>	Scattered records 2023.
Dewy Ringlet	<i>Erebia pandrose</i>	Giau and Valparola 2023.
Meadow Brown	<i>Maniola jurtina</i>	Cimoliana.
Small Heath	<i>Coenonympha pamphilus</i>	Scattered records.
Pearly Heath	<i>Coenonympha arcania</i>	Widespread, locally numerous in Dolomiti Friulani.
Alpine Heath	<i>Coenonympha gardetta</i>	Fontanafredda and Giau 2023.
Speckled Wood	<i>Pararge aegeria</i>	Scattered records.
Large Wall Brown	<i>Lasiommata maera</i>	Scattered records.
Northern Wall Brown	<i>Lasiommata petropolitana</i>	Above Cortina 2023.
Woodland Brown	<i>Lopinga achine</i>	Dolomiti Friulani.
<b>Hesperiidae</b>		
Grizzled Skipper	<i>Pyrgus malvae</i>	Cimoliana.
Large Grizzled Skipper	<i>Pyrgus alveus</i>	Day 9.
Alpine Grizzled Skipper	<i>Pyrgus andromedae</i>	Valparola 2023.
Dingy Skipper	<i>Erynnis tages</i>	Scattered records.
Large Chequered Skipper	<i>Heteropterus morpheus</i>	Settimana.
Chequered Skipper	<i>Carterocephalus palaemon</i>	Cimoliana and Duran 2023.
Essex Skipper	<i>Thymelicus lineola</i>	Dolomiti Friulani and Day 8, 2023.
Large Skipper	<i>Ochlodes venatus</i>	Scattered records.

## Systematic List Number 3

## Birds

Pygmy Cormorant	<i>Phalacrocorax pygmeus</i>	Venice area.
Cormorant	<i>Phalacrocorax carbo</i>	Venice area.
Great Egret	<i>Egretta alba</i>	Venice area.
Little Egret	<i>Egretta garzetta</i>	Venice area.
Cattle Egret	<i>Bubulcus ibis</i>	Venice area.
Grey Heron	<i>Ardea cinerea</i>	Venice area and Day 6.
Night Heron	<i>Nycticorax nycticorax</i>	Venice area.
Greater Flamingo	<i>Phoenicopterus ruber</i>	Venice area.
Mute Swan	<i>Cygnus olor</i>	Alleghe.
Mallard	<i>Anas platyrhynchos</i>	Alleghe.
Black Kite	<i>Milvus migrans</i>	En route to Venice.
Common Buzzard	<i>Buteo buteo</i>	Scattered records.
Common Kestrel	<i>Falco tinnunculus</i>	Scattered records.
Black-headed Gull	<i>Larus ridibundus</i>	Venice area.
Yellow-legged Gull	<i>Larus cachinnans</i>	Venice area.
Rock Dove	<i>Columba livia</i>	Towns, especially in the lowlands.
Woodpigeon	<i>Columba palumbus</i>	Scattered records.
Collared Dove	<i>Streptopelia decaocto</i>	Towns.
Cuckoo	<i>Cuculus canorus</i>	Heard at various sites.
Common Swift	<i>Apus apus</i>	Scattered records.
Great Spotted Woodpecker	<i>Dendrocopos major</i>	Scattered records.
Skylark	<i>Alauda arvensis</i>	Passo di Giau.
Crag Martin	<i>Ptyonoprogne rupestris</i>	Widespread.
Swallow	<i>Hirundo rustica</i>	Widespread.
House Martin	<i>Delichon urbica</i>	Widespread.
Tree Pipit	<i>Anthus trivialis</i>	Scattered records.
Water Pipit	<i>Anthus spinoletta</i>	Higher altitudes.
Grey Wagtail	<i>Motacilla cinerea</i>	Widespread near streams.
White Wagtail	<i>Motacilla a. alba</i>	Widespread in small numbers.
Dipper	<i>Cinclus cinclus</i>	Day 6.
Wren	<i>Troglodytes troglodytes</i>	Scattered records, often heard.
Dunnock	<i>Prunella modularis</i>	Scattered records.
Alpine Accentor	<i>Prunella collaris</i>	Fedaia.
Robin	<i>Erithacus rubecula</i>	Scattered records.
Black Redstart	<i>Phoenicurus ochruros</i>	Common around the hotels and seen also at various other sites.
Common Redstart	<i>Phoenicurus phoenicurus</i>	Around the Hotel Pineta and in Cimolais.
Whinchat	<i>Saxicola rubetra</i>	Fedaia.
Northern Wheatear	<i>Oenanthe oenanthe</i>	Scattered high altitude records.
Ring Ouzel	<i>Turdus torquatus</i>	Giau and Valparola.
Blackbird	<i>Turdus merula</i>	Widespread.
Fieldfare	<i>Turdus pilaris</i>	A few records.
Song Thrush	<i>Turdus philomelos</i>	Scattered records, mostly heard.
Mistle Thrush	<i>Turdus viscivorus</i>	Scattered records.
Lesser Whitethroat	<i>Sylvia curruca</i>	Scattered records.
Garden Warbler	<i>Sylvia borin</i>	Heard.
Blackcap	<i>Sylvia atricapilla</i>	Widespread, mostly heard.
Bonelli's Warbler	<i>Phylloscopus bonelli</i>	Often heard, especially in Dolomiti Friulani.
Chiffchaff	<i>Phylloscopus collybita</i>	Widespread. Heard often.
Goldcrest	<i>Regulus regulus</i>	Scattered records.
Firecrest	<i>Regulus ignicapillus</i>	Scattered records.
Spotted Flycatcher	<i>Muscicapa striata</i>	Rocca Pietore.
Long-tailed Tit	<i>Aegithalos caudatus</i>	Cimoliana.
Marsh Tit	<i>Parus palustris</i>	Cimoliana.
Willow Tit	<i>Parus montanus</i>	Day 4.
Coal Tit	<i>Parus ater</i>	Widespread.
Blue Tit	<i>Parus caeruleus</i>	Scattered records.
Great Tit	<i>Parus major</i>	Scattered records.

Nuthatch	<i>Sitta europaea</i>	Day 4.
Jay	<i>Garrulus glandarius</i>	Widespread.
Magpie	<i>Pica pica</i>	Venice area.
Nutcracker	<i>Nucifraga caryocatactes</i>	Often heard.
Alpine Chough	<i>Pyrrhocorax graculus</i>	Quite common above 2000m, and often very tame.
Jackdaw	<i>Corvus monedula</i>	Scattered records.
Carrion Crow	<i>Corvus corone corone</i>	Widespread.
Hooded Crow	<i>Corvus corone cornix</i>	Lower altitudes.
Raven	<i>Corvus corax</i>	Scattered records.
Starling	<i>Sturnus vulgaris</i>	Scattered records.
House Sparrow	<i>Passer domesticus</i>	Widespread. Italian Sparrow <i>Passer domesticus italiae</i> in Cimolais and probably elsewhere.
Snow Finch	<i>Montifringilla nivalis</i>	Sass Pordoi.
Chaffinch	<i>Fringilla coelebs</i>	Widespread and common.
Serín	<i>Serinus serinus</i>	Scattered records.
Greenfinch	<i>Carduelis chloris</i>	Scattered records.
Goldfinch	<i>Carduelis carduelis</i>	Widespread in small numbers.
Linnet	<i>Carduelis cannabina</i>	Scattered records.
Redpoll	<i>Carduelis flammea</i>	Giau.
Common Crossbill	<i>Loxia curvirostra</i>	Vajont and Fontanafredda.
Bullfinch	<i>Pyrrhula pyrrhula</i>	Gares.
Yellowhammer	<i>Emberiza citrinella</i>	Fedaia.

## Systematic List Number 4 Mammals, Reptiles, and Amphibians

Water Shrew	<i>Neomys fodiens</i>	A dead individual at Sottoguda, 2018.
Common Mole	<i>Talpa europaea</i>	Hills noted.
Red Fox	<i>Vulpes vulpes</i>	Monte Grappa in the past.
Stone Marten	<i>Martes foina</i>	A road casualty seen.
Alpine Marmot	<i>Marmota marmota</i>	Seen or heard on several days, such as on Passo de Fedaia and Passo di Giau.
Red Squirrel	<i>Sciurus vulgaris</i>	Many signs of feeding.
Hazel Dormouse	<i>Muscardinus avellanarius</i>	One seen well, if briefly, in the middle of the day (!), at San Lucano, 2016.
Alpine Chamois	<i>Rupicapra rupicapra</i>	Monte Grappa in the past.
Alpine Ibex	<i>Capra ibex</i>	A male at Fedaia 2013.
Wild Boar	<i>Sus scrofa</i>	Signs only.
European Hare	<i>Lepus europaeus</i>	Monte Grappa in the past.
Mountain Hare	<i>Lepus timidus</i>	Droppings at higher altitudes.
Adder	<i>Vipera berus</i>	2 dead individuals seen, 2023.
Asp Viper	<i>Vipera aspis</i>	1 seen very well at Passo di Giau, 2018.
Grass Snake	<i>Natrix natrix</i>	2 in the Settimana Valley, 2018.
Viviparous Lizard	<i>Zootoca vivipara</i>	Scattered records.
Common Wall Lizard	<i>Podarcis muralis</i>	Scattered records.
Common Frog	<i>Rana temporaria</i>	Scattered records.
Common Toad	<i>Bufo bufo</i>	Scattered records.
Fire Salamander	<i>Salamandra salamandra</i>	Larvae Settimana, 2015.
Alpine Newt	<i>Triturus alpestris</i>	Settimana Valley, 2018.