

The Dolomites

Devil's Claw and King of the Alps

A Greentours Trip Report

21st to 30th June 2023

Led by Paul Cardy and Ed Hutchings

Daily Reports by Paul Cardy, plants and butterfly lists by Paul Cardy, vertebrate lists by Ed Hutchings

Day 1 Wednesday 21st June Arrival and Journey to Montereale Valtellina

Having stayed near Monte Grappa, I arrived at Venice Airport, busy as always, and met arrivals from three different flights. Ed was arriving a little later, and would wait to meet the last of today's arrivals.

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. Even in the lowlands the vegetation was still surprisingly verdant at this season. Lunch, panini that I'd bought earlier, was eaten at a service station car park, all our other lunch sites would be much less prosaic! But even here were things of interest, such as Italian Sparrows, and the lavender attracted a range of insects. It was very hot, the country currently experiencing a heatwave. The scenery became ever more impressive, and once we'd left the main road there were floriferous verges, flowering Hop Hornbeam especially a feature here.

There was time for a lengthy stop at Vajont where we walked a quiet lane, with a fine flora, and butterflies much in evidence. Once out of the vehicle, we were immediately seeing Pearly Heaths, Marbled Whites, Large Wall Brown, Woodland Brown, and Swallowtail. *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 still in flower. Common Twayblade and Pyramidal Orchid were here too, and Red Helleborine was a bonus, in fine condition. There was much discussion about the fact this species has pink flowers, but Red Helleborine is its name! A good start for orchids at our very first stop.

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*, several this year. Among the many other plants were *Valeriana wallrothii*, Swallow-wort, Wood Pink, *Dryas octopetala*, *Stachys alopecuroides*, and *Salvia saccardiana*. The tours' extensive list of sedges began with *Carex pairae*, *Carex flacca*, and *Carex montana*. Butterflies continued with Adonis Blue, Large Blue, and Apollos

drifting over dry slopes covered in their foodplants, stonecrops, Occasionally looking up from the great variety of flowers and insects, the views were pretty good too!

On a previous visit I'd been very pleased to find Fen Orchids near here, 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. There were however fine flowering *Pyrola rotundifolia* on the forest floor.

We continued east in the late afternoon sunshine, towards our hotel. This was a new base for us, our regular hotel having closed suddenly due to bereavement, and also the place we'd stayed last time having closed during the pandemic. Our new base was some way to the east, but proved an ideal base. The drive was scenic, through the Dolomiti Friulani, past the lake at Barcis, and through a series of tunnels.

The unassuming hotel had flowery gardens, in a quiet village. The rooms were comfortable, and the owners extremely welcoming and helpful. As I was sorting the practicalities Ed arrived with Keith and Eileen. Time for a rest before dinner, we later met in the dining room, specially opened for us tonight, and enjoyed a delicious dinner. I gave the introductory talk, and we anticipated the productive tour to come.

Nightjar churred.

Day 2 Thursday 22nd June Cimoliana, Settimana, Cellina

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. Nightingale sang in the garden.

Under clear blue skies we headed to the Cimoliana valley. The first stop, amid Black Pines and *Salix waldsteiniana*, had *Orobanche caryophyllea* in good bloom, *Campanula scheuchzeri*, *Thesium rostratum*, *Prunella grandiflora*, fine Fragrant Orchids, Pyramidal Orchid, and a couple of Fly Orchids. The endemics *Euphorbia triflora kernerii* and *Polygala nicaeensis forojulensis* were here, and *Laserpitium peucedanoides* was in fine form. *Knautia ressmannii* was attractive, but the purple flowered *Chamaecytisus purpureus* was already in fruit this year. Several butterflies were already on the wing, namely Black-veined White, Pearly Heath, Adonis Blue, and Woodland Brown. The moths Common Heath, Lead Belle, and Clouded Buff were seen.

A short walk took us to cliffs that supported many fine Devil's Claws. One of the plant highlights of the Dolomites, several were still in bud this year, but we soon found several in fine flower, especially on the cliffs above the clear stream, on rocks with a different aspect. The fine Longhorn Beetle here was *Monochamus sartor*.

The cliffs had much *Spiraea decumbens*, and *Potentilla caulescens* in leaf, and *Chondrilla chondrilloides* flowered abundantly beside the track. *Rhododendron hirsutum* was admired and there was attractive *Aquilegia einseleana*. The floral diversity continued with *Cirsium erisithales*, *Horminum pyrenaicum*,

Silene pusilla, *Laserpitium siler*, *Cyclamen purpurascens*, and fine Bladder Gentians. The scenery was sublime.

More butterflies were taking to the wing as the day warmed up, including Chequered Skipper and Green Hairstreak. Bee Beetle was a pleasing find. 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 a 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.

I was dismayed to find that today the Cimoliana valley road was closed just above this site. On our last visit here intense storms the previous autumn had caused major landslides and changed the topography of the river gravels. There had still been much evidence of this, but the road had already been reconstructed, although the river bed had changed topographically, higher up the track taking a different course.

This year the road was closed, and without a very long walk we simply could not access the upper Cimoliana Valley. However the nearby Settimana valley was a fine alternative, and there we caught up with most things we would have seen here.

Before heading to Settimana we had a short walk through the lower flowery meadows. *Hesperis matronalis nivea* flowered at the forest edge and the meadows had very many fine Orange Lilies. *Campanula glomerata*, *Rhinanthus alectrolophus*, *Euphrasia rostkoviana*, *Euphrasia picta*, Pyramidal Orchid, and Ragged Robin were here, and there was a British theme with the butterflies, Meadow Brown, Red Admiral, and Small Tortoiseshell.

Our first stop in the Settimana Valley was to admire the knapweed *Centaurea dichroantha*, which as the name suggests occurs in two colour forms, purple and yellow, but was mostly yellow flowered here, with only a few of the purple form. The impressive tall umbel *Peucedanum verticillare* was admired and Silver-studded Blue was on the wing.

It was already time for lunch, and we drove rather purposefully to where I knew there were picnic tables. Ed and I prepared our first extensive picnic at a well situated table under the trees. The distinctive pink *Crepis froelichiana dinarica*, an endemic subspecies, was rather common here. Several Duke of Burgundys were on the wing, and Heath Fritillary and Comma were here.

At the forest edge were white flowered *Melittis melissophyllum*, many *Dactylorhiza fuchsii*, and Bird's-nest Orchids. *Berberis vulgaris* and *Salvia glutinosa* grew side by side, both species that support scarce broomrapes, but unsurprisingly none of either here today. Also here were *Luzula luzuloides*, *Euphorbia amygdaloides*, *Aconitum lycoctonum vulparia*, and *Aquilegia atrata*.

Reaching the end of the drivable road, with fine views higher up the valley, a short stop had the surprise of several *Sisyrinchium montanum* naturalised in the short turf.

On the drive down the valley we made a series of short stops for special things, fine Bird's-nest Orchids, flowering cushions of *Saxifraga squarrosa*, orange flowered *Senecio abrotanifolius*, the attractive *Dianthus sternbergii* in fine flower, and superb *Arenaria huteri*, one large flowering patch.

This last species we had missed due to the closure of Cimoliana so I was very pleased to find it here, surprisingly in full sun whereas in the other valley it grows in shade at the base of wet cliffs.

A small cotton grass bog had a selection of sedges (see below) including *Blysmus compressus*. In the water were charophytes, indicators of clean calcareous water. Broad-bodied Chasers were active over the water, Wood White was on the wing, and a fine male Purple-shot Copper was admired. Another short stop produced *Hieracium umbellatum* and the deep red flowered *Dianthus sanguineus*.

Worth noting was the great variety of sedges seen today, *Carex flacca*, *Carex flava*, *Carex lepidocarpa*, *Carex sylvatica*, *Carex panicea*, *Carex alba*, *Carex digitata*, *Carex sempervirens*, *Carex firma*, *Carex mucronata* and *Carex ferruginea*!

The last stop of the day yielded yet more fine things, at the lushly vegetated entrance to the Cellina Gorge, not far from the hotel. Silver-washed Fritillary landed on the information board where we parked. There were several simply superb Devil's Claws on the cliffs here, and I kept pointing out better and better examples. Very lush Hart's-tongue Ferns grew abundantly on cliffs below us. In fine flower were *Campanula spicata*, *Silene saxifraga*, *Geranium macrorrhizum*, and very impressive *Saxifraga crustata*. Hungarian Glider was associated with its foodplant, the *Spiraea*.

A final highlight was the distinctive leaves of *Epidendrum alpinum*, not an easy species to find. The 'nine-spotted' moth *Syntomis phegea* was a feature.

We enjoyed another excellent dinner served by our friendly hosts.

Day 3 Friday 23rd June

Barcis, San Osvaldo, Vajont, Dont, Staulanza, and Transfer to Rocca Pietore

A fine morning saw us saying our fond farewells to the hotel in Cimolais. The scenic road took us to the lake at Barcis where we'd intended to walk the Cellina Gorge, from the opposite end to that visited yesterday. However the gates were closed, the gorge currently open to visitors only on weekends! Oh well, we'd seen the best of the gorge last evening, especially the Devil's Claw in such fine form.

At the low pass of San Osvaldo were several fine Red Helleborines on the forest floor. Returning to Vajont we had another short walk, Apollos again much in evidence.

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. The skies were increasingly foreboding and once west of Longarone extreme heavy rain came. This was quite an experience, but despite the forecasts seen by some, this was the only rain of the week, and didn't stop us seeing anything, this being the best day for it to happen. It was so heavy that at one point we stopped the vehicles in a road tunnel, but the road was too busy for this to be safe. We took the opportunity to refuel.

Above the village of Dont, Marsh Helleborines were in flower, *Dactylorhiza traunsteineri* too, and a selection of sedges included *Carex panicea*. Dragon's-teeth was in flower, with white-flowered Bastard Balm, and *Cirsium oleraceum*. The rain made it hard to fully appreciate the site though, and we would return a couple of days later in sunshine.

There followed a quest to find a dry lunch site. I'd bought fresh picnic supplies and of course we didn't want to waste them. In the end we decided they would keep until tomorrow, and found a great little trattoria in which we enjoyed an excellent pasta. But really, tagliatelle eaten with a knife and fork, that's illegal in Italy! Ed and I also had the challenge of working out how to use the car park pay machine.

Whilst coffee was enjoyed I made a quick search for *Malaxis monophyllos* at a site I knew for the species, but none today.

By the time we reached Staulanza Pass the rain had stopped, and the fine wet flushes supported an especially fine flora. Very many superb *Dactylorhiza majalis* and *Dactylorhiza fuchsii* were in flower, Globeflowers and Marsh Marigolds bloomed, there was Water Avens, Chives, fine *Bartsia alpina*, Bog Violets, many *Primula farinosa*, and showy *Crepis aurea*. At the forest edge flowered Alpenrose, Lesser and One-flowered Wintergreens, and *Lathyrus ochraceus*.

Boulders had fine Alpine Clematis, Mossy Sandwort, Yellow Wood Violets, *Cyclamen purpurascens*, *Oxalis acetosella*, *Myosotis sylvatica*, *Veronica fruticulosa*, *Veronica aphylla*, *Campanula carnica*, *Aposeris foetida*, *Maianthemum bifolium*, *Daphne cneorum*, and *Polygala chamaebuxus*. I was pleased to find the rare fern *Woodsia pulchella* at only the second site we've seen it on the tour.

Next came a tour highlight. As I drove I was delighted to spot a superb group of Lady's Slipper Orchids. Excited, we turned around, found an ideal parking spot, and spent some time admiring their perfection. It was especially pleasing to be able to show these to Eileen who had never managed to see the species before, and was very appreciative. They were simply perfect.

Late afternoon saw us arriving in Rocca Pietore, our base for the rest of the tour. Here boulders had a number of new plants, namely *Lathyrus sylvestris*, *Lathyrus latifolius*, *Sedum montanum*, *Sedum album*, *Sedum dasyphyllum*, *Trifolium rubens*, *Potentilla recta*, *Seseli libanotis*, *Stachys recta*, and *Digitalis grandiflora*. *Juniperus sabina* and *Rhamnus pumila* crept over the rocks.

We continued to our hotel, and 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 family run place, and I was so pleased to be back after the hiatus of the pandemic. Crag Martins were in the air.

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 Saturday 24th June

Passo di Giau

The hotel offered an excellent breakfast selection. The weather was fine, and we enjoyed another superb day in the field. 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, *Oxytropis campestris*, *Gypsophila repens*, and *Orobanche gracilis* were among the many flowers on the roadsides.

Having been here many times over the decades, and often, as today, on a Saturday, I had never seen it as busy as it was today. The usual bicycles, motorbikes, cars, camper vans, and runners were all here, but all in incredible numbers today. There were no spaces in the usual car park at the top, so we dropped everyone at the pass, and Ed and I had to drive some way back down the way we'd come in order to find somewhere to park on a roadside. A very officious guard of a restaurant car park was not keen on us even stopping there for a few minutes to discuss where we could park. The walk back up the the pass, and to the group, was good exercise for us.

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. Initially the acid sward held many fine flowers. Alpine Pasque Flowers were super-abundant up here this year, quite a feature, and there were many Spring Pasque Flowers too, although most were in attractive fruit. There was much *Geum montanum*, and several *Androsace obtusifolia*. Spotted Gentians 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*, Small White Orchids, and Frog Orchids.

We reached limestone boulders that supported fine rock gardens. Among the beautiful species here were Pink Cinquefoil (not yet in 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. There were a number of the vanilla orchid *Nigritella rhellicani*.

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. *Pinus cembra* was a feature, and wet flushes had much Bird's-eye Primrose. *Erica carnea* was abundantly still in flower this year. *Arctostaphylos alpina* was in leaf and I located a lone *Soldanella minima*. *Doronicum columnae* flowered in gaps between the boulders. We generated some interest among the passers by, at one point having an interesting conversation with a Croatian girl, and an Israeli, whilst we were admiring the *Rhodothamnus*.

The display flight song of Water Pipits was a constant accompaniment, Alpine Choughs soared over Nuvolau, and Northern Wheatear and Redpoll were typical of the habitat. Ring Ouzel was a feature, with several seen today. Peak White flew over the slopes and Alpine Heath was here. We made our way back to the refuge, facilities available, whilst Ed and I walked back to the vehicles, then driving back to meet the group at the pass.

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 we set out the lunch. *Anemone trifolia* was in flower, and I found Northern Wall Brown.

Our next intended stop was too busy for us to stop, so we first drove to another site, to return here later. Boulders on the other side of the pass had Edelweiss, very many *Paedarota bonarota*, and *Primula auricula* just still in flower. Moonwort was in the turf and *Traunsteinera globosa* was in good flower. Marmots whistled but were much less in evidence than is usual here. In wet flushes were beautiful Alpine Butterworts. *Sorbus chamaemespilus* was here too.

Back across the col we had another short walk, here on acidic soil. Wet flushes characterised by *Eriophorum angustifolium* had also *Cerastium cerastoides*, *Viola palustris*, *Cardamine amara*, and *Carex brachystachys*. The distinctive *Pedicularis recutita* was in flower at two sites.

Very many *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 and *Gentiana brachyphylla* was in perfect flower. There were again many *Pulsatilla alpina* and *Pulsatilla vernalis*. Fine *Orchis ovalis* was at the furthest point of our walk, where nearby the snow had only very recently melted.

On herbivore dung here was the fungus *Panaeolus semiovatus*.

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

Day 5 Sunday 25th June

Staulanza, Fontanafredda, Duran, Avoscan

We made a short stop for picnic supplies at one of the few supermarkets open on a Sunday. The queues at the deli counter were long, the ticket system not working well. Richard spotted Golden Eagle over the village.

Our next 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 also some 14 Coralroot Orchids. There was much else of interest including fine One-flowered Wintergreens, Verticillate Lousewort, Dragonmouth, and *Anemone trifolia* still in flower.

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.

Having parked by the farm buildings we set out on foot. Rock Speedwell was common on boulders, and *Clematis alpina* and *Moehringia muscosa* flowered under the trees. There was much *Polygala chamaebuxus*. Frog Orchids were rather common in short turf where *Pedicularis elongata*, *Arnica montana*, and *Silene rupestris* were in flower.

It was one flowery slope that supported all the best flowers here. There was much *Gentianella germanica*, fine Alpine Asters, many Burnt-tip Orchids, fine *Campanula barbata*, beautiful *Traunsteinera globosa*, Chives, and Rock Soapwort. Nearby was the only *Scorzonera aristata* of the tour. I was pleased to find pretty little *Carex capillaris*. The variety continued with a superb patch of One-flowered Wintergreen, *Gentiana utriculosa*, *Carex davalliana*, *Triglochin palustris*, *Nigritella rhellicani*, and *Vicia sylvatica*.

A green and brown chafer was numerous, probably *Phyllopertha horticola*. Clouded Yellow of the *helice* form flew across the slopes, and Marsh Fritillary, Woodland Ringlet, Almond-eyed Ringlet, Pearl-bordered Fritillary, and Duke of Burgundy were seen. Male Orange-tip was still on the wing. We reached a beautiful floriferous wet meadow, the Broad-leaved Marsh Orchids especially impressive.

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

Lunch was set out at a picnic site that we'd driven past a few times, especially on the wet day. Today this was an ideal spot to enjoy our picnic in continuing superb weather.

Back at the Dont site we could appreciate better the Marsh Helleborines in the sunshine, seeing *Stachys alpina*, Sticky Flax, and *Carex tomentosa* too.

At Passo Duran *Carex rostrata* was numerous in one flush, and Chequered Skipper was seen again. *Crepis pyrenaica* was in bud.

Sticky Flax became common on the roadsides. A walk above Agordo took us to a stream where we admired some strikingly green stones. Large Blue was here, and an attractive longhorn beetle on *Cirsium erisithales* was *Pachyta quadrimaculata*. A large naturalised Rhubarb plant was impressive, and *Galeopsis speciosa* was in flower.

Signs had warned that this road down to Agordo was closed, but having checked more than once I'd been assured it was in fact open, but with a detour. This detour took us through a narrow village, the gap between two houses a particular challenge for the mini-bus, but we made it.

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

Day 6 Monday 26th June

Fedaia

Another superb day was spent exploring predominantly igneous rock outcrops near a refugio, which we reached by a chair lift, the first time we'd been able to use it, on previous tours it has not yet been operating. In the past we've been driven up in a four wheel drive by the refuge owners.

The chair lift journey was stunning, the number of St Bruno's Lilies on the lower slopes had to be seen to be believed. Snowfinches were on the open slopes.

Once at the refuge 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 a snow patch were *Pulsatilla alpina*, *Pulsatilla vernalis*, and *Soldanella alpina*.

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

Gentiana brachyphylla and *Androsace vitaliana* were in beautiful flower, and we were soon finding *Draba aizoides*, *Arabis alpina*, *Linaria alpina*, *Androsace obtusifolia*, and Alpine Toadflax. Almost immediately the first King of the Alps was found in superb flower, and this always very special plant was extremely numerous up here today. A highlight for all. The same acidic rocks had much *Saxifraga exarata*, *Minuartia recurva*, *Minuartia verna*, *Silene exscapa*, and *Juncus jacquini*. There was *Arabis alpina*, several *Papaver aurantiacum* in bloom, and *Polygala alpina* in the turf. Fine *Primula halleri* flowered and we saw *Veronica bellidioides*, *Artemisia genipi*, and *Oxytropis campestris*.

Alpine Choughs were much in evidence around the refuge, Water Pipits sang, and Black Redstart, Northern Wheatear, Alpine Accentor, and Snow Finch characterised 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 and Net-leaved Willow. King of the Alps continued superb, Snowdon Lily was in fine form, there was much *Primula minima* in flower, many *Soldanella pusilla* flowering by snow melt, and Alpine Clover in the turf. There was fine *Orchis ovalis*, a few *Ranunculus kuepferi* still in flower, and *Pedicularis tuberosa*.

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*. Very fine cushions of *Androsace alpina* and the attractive grass *Oreochloa disticha* were a feature of the habitat. There were very many more Snowdon Lilies, and the variety continued with *Astragalus alpinus*, Alpine Clubmoss, many more *Primula minima*, *Salix retusa*, *Salix herbacea*, and *Draba siliquosa*. At the very furthest point the going was rather challenging, and it was only Richard, Ed, and me, who made it this far.

Dewy Ringlets flew over the slopes, and an interesting find was a just emerged Alpine Grayling drying its wings, and we monitored this, waiting for it to be fully formed.

Reunited (some had pottered nearer to the refuge), we enjoyed a superb lunch in the refuge.

In the afternoon we walked from the refuge in the other direction, finding more fine *Orchis ovalis*, Cobweb Houseleeks, *Astragalus alpinus*, *Antennaria carpatica*, and Spotted Gentian. The pyralid *Metaxmeste schrankiana* landed on the path, rather resembling one of the black mountain moths. I pointed out how to tell an *Oxytropis* from an *Astragalus*.

Having descended by the chair lift, and back in the vehicles, at a slightly lower altitude we 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, *Hypochoeris uniflora*, *Hieracium aurantiacum*, very many Lesser Butterfly Orchids, *Nigritella rhellicani*, *Traunsteinera globosa*, Martagon Lilies, and Small White Orchids. The many Moonworts here were remarkably large and there were several *Tephrosieris tenuifolia*. Sooty Copper was on the wing and Mary found *Trifolium noricum*.

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, and the gorge supports an interesting flora, although mostly species we had seen elsewhere. Lady's Slippers and Devil's Claw are here for example. We used to see Wallcreeper here but haven't seen it for some time now.

Day 7 Tuesday 27th June

Lower Marmolada, Passo Pordoi, Andraz

The weather was somewhat changeable as we set out for Marmolada. A short drive took us over the Fedaia Pass and to the large reservoir at the base of Marmolada.

For many years we have taken open 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 last summer, work has been abandoned, the refugio destroyed, from Fedaia we had been able to see its ruins. Today we walked up to the old cage lift station, the dismantled machinery poignant.

On rocks were fine Alpine Butterwort, *Silene pusilla*, Net-leaved Willow, *Arabis bellidifolia*, and *Valeriana elongata*. A good find was three Coralroot Orchids.

Heading down towards Canazei, we stopped to walk across a meadow to river gravels where among the plants, mostly from seed washed down from higher altitudes, were *Papaver aurantiacum*, *Sedum atratum*, *Silene quadrifida*, *Barbarea vulgaris*, *Minuartia austriaca*, and *Pritzelago alpina*. *Thlaspi rotundifolium* was in fruit and flower, a species we would have seen high on Marmolada had we been able to get there.

Here was a mixed passerine flock had Long-tailed Tits, Willow Tit, Siskin, and Common Redstart.

Pyrola rotundifolia and *Gypsophila repens* continued the plants and Fieldfare was seen. Ed found Cross Gentian in bud.

We continued the circuitous route, arriving at the incredibly busy Passo Pordoi. For some years this was where we came to see King of the Alps, involving a long walk, we now see it much more easily at Fedaiia. Monte Baldo Anemone was rather common here, and we saw *Hedysarum hedysaroides*, *Polygala chamaebuxus*, and *Gentiana clusii*.

We had a long drive to find a picnic site, there was simply no suitable place to stop. In the end we had to go all the way to Andraz where I knew there were picnic tables.

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.

Whilst Ed looked after everyone at the Castle, I walked back uphill to collect the mini-bus, then driving everyone back to the top of the road, and Ed's vehicle.

Day 8 Wednesday 28th 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 above us. 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 nearby river gravels was *Papaver aurantiacum* in fine form. On our last visit the river had been dredged and all the gravel flora destroyed. It had returned in fine form, with many species having established here from seed washed down from higher altitudes, such as *Minuartia austriaca*, *Moehringia ciliata*, *Gypsophila repens*, *Parnassia palustris*, *Saxifraga rotundifolia*, *Polygala vulgaris oxyptera*, and *Campanula carnica*. But search as I might I could not locate any of the very special endemic crucifer *Rhizobotrya alpina* today. Amanda's Blue was seen.

In the meadows were *Tephrosieris tenuifolia*, many Orange Lilies, *Thalictrum minus*, and floriferous *Aconitum lycoctonum neapolitaum*. False Heath Fritillary and Large Ringlet were on the wing. Under trees were *Chrysosplenium alternifolium*, *Streptopus amplexifolius*, *Polygonum verticillatum*, and *Paris quadrifolia*. There was a fine selection of mosses and some beautiful diminutive fungi. A highlight was the scarce fern *Cystopteris sudetica*, always in fine form here. *Saxifraga crustata* was in bloom on boulders, and *Cardamine amara* in wet flushes. I was especially pleased to spot a lone *Malaxis monophyllos*, always a special find. The Velvet Ant *Mutilla europaea* was found.

Roadsides had almost black flowered *Phyteuma ovatum*. We found a flowery lunch site, Broad-bordered Bee Hawk among the things seen here.

The San Lucano Valley was our next destination. Our original site here is no longer, the small lake amid forest now completely exposed, the trees felled by the storm. But a little further along the valley

was another fine site. Here was 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 Beetles, Idas Blue, a lone *Silene coronaria*, and Scarce Copper. Many tiger beetles, *Cicindela hybrida*, flew ahead of us as we walked.

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.

Alpine Swift and Black Woodpecker were among the birds today.

Day 9 Thursday 29th June Falzarego, Valparola, Belvedere, Posalz

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. Also notable were *Anemone baldensis*, *Ranunculus hybridus*, *Armeria alpina*, and *Minuartia austriaca*. Mountain Green-veined White and Alpine Grizzled Skipper were on the wing. Richard joined me in an exploration of the upper cliffs where we found the diminutive *Valeriana elongata*, with several on one rock face.

We watched two Chamois running across the opposite slope.

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 found some 15 today, not quite in full flower this year, but almost, and at least they were still here. There were also many fine *Papaver aurantiacum*, *Pedicularis rostratocapitata*, and *Saussurea discolor* was in bud.

Purple-edged Copper and Dewy Ringlet flew, and Water Pipit displayed.

Lunch was set out back at the Andraz picnic site.

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 *Orobanche purpurea* parasitising the *Achillea*. Also here were *Ajuga genevensis*, *Dianthus sylvestris*, and a selection of stonecrops, namely *Sedum telephium*, *Sedum montanum*, *Sedum album*, and *Sedum dasyphyllum*. *Aurinia saxatilis* was naturalised and *Epilobium roseum* was identified. There was a colony of Apollo here.

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

The last walk was at Posalz where after intensive searching I was pleased to find again *Malaxis monophyllos*. Butterbur Weevil, *Liparus glabrirostris*, was impressive, identified by Eds phone.

Among birds seen today were Linnet, Redpoll, Common Crossbill, and Bullfinch.

Day 10 Friday 30th June

Departure

An early start was necessary for Ed for the drive to Venice Airport, the hotel having set out an early breakfast.

The rest of us left at a leisurely hour, and I drove via a scenic route, making a couple of stops along the way.

By the lake at Santa Croce we saw several new plants, including *Thalictrum lucidum*, *Helleborus niger*, *Cardamine enneaphyllos*, *Campanula rapunculoides*, *Anthericum ramosum*, and *Phalaris arundinacea*. Purple Emperor was here but elusive, and we saw Holly Blue and *Syntomis phegea*. On the water were Great Crested Grebes.

Quiet leafy lanes very close to Venice airport had *Clematis viticella*, several Scarce Swallowtails, and Gull-billed Tern.

At the airport we said our fond farewells to Chris and Pauline, and the rest of us awaited the arriving flights. Once everyone had arrived we headed west to the Central Alps, where there followed another great tour.

Dolomites Systematic Lists 2023

Compiled by Paul Cardy (Plants and Butterflies) and Ed Hutchings (vertebrates)

Itinerary

- Day 1. Wednesday 21st June. Arrival. Venice to Montereale Valtellina via Vajont.
- Day 2. Thursday 22nd June. Cimoliana, Settimana, Cellina.
- Day 3. Friday 23rd June. S.Osvaldo, Vajont, Dont, Passo Staulanza, Rocca Pietore.
- Day 4. Saturday 24th June. Passo di Giau.
- Day 5. Sunday 25th June. Staulanza, Fontanafredda, Dont, Passo Duran, Avoscan.
- Day 6. Monday 26th June. Fedaiia.
- Day 7. Tuesday 27th June. Marmolada, Canazei, Passo Pordoi, Andraz.
- Day 8. Wednesday 28th June. Gares. San Lucano.
- Day 9. Thursday 29th June. Falzarego, Valparola, Andraz, Belvedere, Posalz.
- Day 10. Friday 30th 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 2023 are annotated with the year in which they were last seen. Species added this year are annotated 2023. 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.
<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>	Variiegated Horsetail	Scattered records, e.g. Canazei, San Lucano.
<i>Equisetum fluviatile</i>	Water Horsetail	Fontanafredda.
<i>Equisetum palustre</i>	Marsh Horsetail	Dont.
<i>Equisetum arvense</i>	Common Horsetail	Scattered records, e.g. Fontanafredda.
<i>Equisetum telmateia</i>	Giant Horsetail	Marsh Helleborine site.

Ophioglossaceae

<i>Botrychium lunaria</i>	Moonwort	Fedaia 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, Cimoliana, etc.
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	Rocks at Gares, Giau, Friulani.
<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.
<i>Asplenium seelosii</i>	a spleenwort	Cimoliana 2019.
<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.
<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 common.
<i>Matteucia struthiopteris</i>	Ostrich Fern	Gares valley and Sal 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	Day 9.
<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 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.
<i>Juniperus communis alpina</i>		Passo di Giau etc.
<i>Juniperus sabina</i>	Savin	Belvedere and Rocca Pietore.

C. ANGIOSPERMS - DICOTYLEDONES

Aristolochiaceae

<i>Asarum europaeum</i>	Asarabacca	In leaf Dolomiti Friulani.
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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 2016.
<i>Caltha palustris</i>	Marsh Marigold	Common at Fontanafredda, Duran, and Passo di Giau.
<i>Aconitum lycoctonum</i> ssp. <i>vulparia</i>	Wolfsbane	Scattered records, e.g. Cimoliana, Fedaia.
<i>Aconitum lycoctonum</i> ssp. <i>neapolitanum</i>	Wolfsbane	Gares.
<i>Aconitum variegatum</i>	A monk's-hood	Sottoguda, in leaf, 2018.

<i>Aconitum napellus</i> <i>Anemone trifolia</i>	Monk's-hood a wood-anemone	Sottoguda, in leaf, 2018, ssp. <i>tauricum</i> ? Duran and above Cortina. In leaf Friulani.
<i>Anemone narcissiflora</i> <i>Anemone baldensis</i> <i>Hepatica nobilis</i> <i>Pulsatilla alpina</i>	Narcissus Anemone Monte Baldo Anemone Hepatica Alpine Pasque Flower	Monte Grappa 2019. Many at Valparola and Pordoi. In leaf. Widespread and abundant at higher altitudes, Passo di Giau, Fedaia, Valparola.
<i>Pulsatilla vernalis</i>	Spring Pasque Flower	Many at Passo di Giau, but only one still in flower this year.
<i>Clematis vitalba</i> <i>Clematis recta</i> <i>Clematis alpina</i>	Traveller's-joy Ground Clematis Alpine Clematis	In flower. Monte Grappa 2029. Forest margins and boulder-scrub at Fontanafredda, Passo di Giau, foot of Marmolada chairlift, Cimoliana, Fedaia, and Gares.
<i>Clematis viticella</i> <i>Ranunculus tuberosus</i>	a clematis a buttercup	Venice. Cimoliana, Fontanafredda, etc. Widespread.
<i>Ranunculus repens</i> <i>Ranunculus lanuginosus</i> <i>Ranunculus acris</i> <i>Ranunculus carinthiacus</i> <i>Ranunculus montanus</i> <i>Ranunculus venetus</i> <i>Ranunculus breyninus</i> <i>Ranunculus hybridus</i>	Creeping Buttercup a buttercup Meadow Buttercup a buttercup a buttercup a buttercup a buttercup Hybrid Buttercup	Friulani woods. Widespread. Fontanafredda grassy slope, Duran, etc. Widespread at higher altitudes.
<i>Ranunculus platanifolius</i>	a 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 glacialis</i> <i>Ranunculus kuepferi</i> <i>Aquilegia vulgaris</i> <i>Aquilegia atrata</i>	Glacier Crowfoot a buttercup Common Columbine Dark Columbine	A few in flower at Fedaia. Several at Passo di Giau and Fedaia San Lucano 2017. Scattered records, e.g. Settimana, Gares, Posalz.
<i>Aquilegia einseleana</i> <i>Thalictrum aquilegifolium</i> <i>Thalictrum foetidum</i> <i>Thalictrum minus</i>	a columbine Great Meadow-rue Foetid Meadow-rue Lesser Meadow-rue	Val Cimoliana. Gares, below Fedaia, and Marmolada. Sottoguda 2018. Locally common Dolomiti Friulani, Rocca Pietore, Gares.
<i>Thalictrum lucidum</i>		Sta.Croce 2023
Berberidaceae		
<i>Epimedium alpinum</i> <i>Berberis vulgaris</i>	Barren-wort Barberry	In leaf at Barcis, new in 2023. In flower Cimoliana and Gares.
Papaveraceae		
<i>Papaver rhoeas</i> <i>Papaver aurantiacum</i> <i>Chelidonium majus</i> <i>Eschscholtzia californica</i>	Corn Poppy Alpine Poppy Greater Celandine California Poppy	Common in Venice area. Gares, Fedaia, and Marmolada. Montereale Valtellina. Naturalised locally on roadsides, 2014.
Fumariaceae		
<i>Fumaria vaillantii</i>	Few-flowered Fumitory	Montereale Valtellina 2023.
Ulmaceae		
<i>Ulmus glabra</i> <i>Ulmus minor</i>	Wych Elm an elm	Dolomiti Friulani. Dolomiti Friulani.

<i>Ulmus laevis</i>	Large-leaved Elm	Near Venice.
<i>Celtis australis</i>	Nettle-tree	Venice area.
<i>Cannabaceae</i>		
<i>Humulus lupulus</i>	Hop	Sta. Croce 2023.
<i>Moraceae</i>		
<i>Ficus carica</i>	Fig	Roadsides near Venice.
<i>Urticaceae</i>		
<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 and Sta. Croce.
<i>Juglandaceae</i>		
<i>Juglans regia</i>	Walnut	Cimolais.
<i>Fagaceae</i>		
<i>Fagus sylvatica</i>	Beech	The typical forest dominant below 1500m.
<i>Betulaceae</i>		
<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 Fedaia.
<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.
<i>Chenopodiaceae</i>		
<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.
<i>Caryophyllaceae</i>		
<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. Fedaia p.m., 2012.
<i>Arenaria biflora</i>	a sandwort	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.
<i>Moehringia ciliata</i>	a sandwort	Fedaia.
<i>Moehringia bavarica</i>	a sandwort	Locally common on acid rocks, e.g. Giau and Fedaia.
<i>Minuartia recurva</i>	Sickle-leaved Sandwort	Valparola and above Canazei.
<i>Minuartia austriaca</i>	a sandwort	Foot of Marmolada chairlift, Fedaia, Giau rocks, etc.
<i>Minuartia verna verna</i>	Spring Sandwort	Apparently this subspecies at Fedaia.
<i>Minuartia verna collina</i>		

<i>Minuartia sedoides</i>	Mossy Cyphel	Passo di Giau, Falzarego, and Fedaia.
<i>Stellaria nemorum</i>	Wood Stitchwort	Fontanafredda, Staulanza, 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	Giau wet flushes.
<i>Cerastium tomentosum</i>	Mouse-ear	Naturalised at Andraz.
<i>Cerastium arvense</i>	Snow-in-Summer	Widespread.
<i>Cerastium alpinum</i>	Field Mouse-ear	Cimoliana 2016.
<i>Cerastium uniflorum</i>	Alpine Mouse-ear	Fedaia, in leaf.
<i>Cerastium latifolium</i>	a mouse-ear	Marmolada, in flower, 2017.
<i>Cerastium carinthiacum</i> ssp. <i>austroripinum</i>	a mouse-ear	Passo di Giau, in leaf this year.
<i>Cerastium subtriflorum</i>	a mouse-ear	Cimoliana gravels and Settimana. 2018.
<i>Cerastium sylvaticum</i>	a mouse-ear	San Lucano.
<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.
<i>Silene flos-cuculi</i>	Ragged Robin	Cimolais and Montereale Valtellina.
<i>Silene italica</i>	Italian Catchfly	Giau.
<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 etc.
<i>Silene exscapa</i>	a moss campion	On acidic substrates at Fedaia and Giau.
<i>Silene rupestris</i>	Rock Campion	Fontanafredda.
<i>Silene pusilla</i>	Alpine Catchfly	Foot of Marmolada chairlift and Dolomiti Friulani.
<i>Silene veselskyi</i>	a catchfly	Cimoliana, not seen 2023 due to road closure.
<i>Silene quadrifida</i>	a catchfly	Above Canazei 2023.
<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.
<i>Dianthus sanguineus</i>	a pink	Settimana 2023.
<i>Dianthus sternbergii</i>	a fringed pink	Val Cimoliana and Settimana.
<i>Dianthus sylvestris</i>	Wood Pink	Belvedere, Vajont, and above Canazei.
<i>Dianthus superbus</i>	Fringed Pink	Fedaia meadows 2017.
<i>Polygonaceae</i>		
<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, 2023.
<i>Rumex acetosella</i>	Sheep's Sorrel	Scattered records.

<i>Rumex scutatus</i>	French Sorrel	Widespread, e.g. Passo di Fedaia, and Dolomiti Friulani.
<i>Rumex alpestris</i>	Mountain Dock	Fedaia and Giau.
<i>Rumex acetosa</i>	Common Sorrel	Scattered records.
<i>Rumex alpinus</i>	Monk's Rhubarb	Frequent in eutrophied pasture, etc., e.g. Giau, Fontanafredda, Gares, and Passo di Fedaia.
<i>Rumex crispus</i>	Curled Dock	Avoscan.
<i>Rumex conglomeratus</i>	Clustered Dock	
<i>Rumex obtusifolius</i>	Broad-leaved Dock	Recorded.
Plumbaginaceae		
<i>Armeria alpina</i>	Mountain Thrift	Falzarego, in flower.
Hypericaceae		
<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.
Tiliaceae		
<i>Tilia platyphyllos</i>	Large-leaved Lime	
<i>Tilia cordata</i>	Small-leaved Lime	
Malvaceae		
<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.
Cistaceae		
<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.
Violaceae		
<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	Rocca Pietore.
<i>Viola arvensis</i>	Field Pansy	
<i>Viola kitaibeliana</i>	Dwarf Pansy	
Tamaricaceae		
<i>Myricaria germanica</i>	German Tamarisk	River gravels at Caprile, 2012.
Salicaceae		
<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, and foot of Marmolada chairlift.
<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 on Passo di Giau.
<i>Salix alpina</i>	a willow	Scree and rocks high on Fedaiia, 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	Possibly this at Giau.
<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	
Brassicaceae		
<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 2023.
<i>Barbarea vulgaris</i>	Common Winter-cress	Above Canazei.
<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, Sottoguda, 2018.
<i>Cardamine enneaphyllos</i>	Drooping Bittercress	In fruit Sta.Croce 2023
<i>Cardamine amara</i>	Large Bittercress	Spring marshes at Gares and Passo di Giau.
<i>Cardamine resedifolia</i>	Mignonette-leaved Bittercress	Giau and Fedaiia.
<i>Cardamine impatiens</i>	Fine-leaved Bittercress	Fontanafredda.
<i>Arabis sagittata</i>	a rockcress	Seen on the first day, 2018.
<i>Arabis hirsuta</i>	Hairy Rock-cress	Cimoliana etc. 2017.
<i>Arabis turrita</i>	Tower Cress	Above Longarone, in fruit.
<i>Arabis caerulea</i>	Blue Arabis	Marmolada, in flower 2018. Under snow 2019! Site not reached 2023 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	Fedaiia, Marmolada, Gares, Giau.
<i>Turritis glabra</i>	Tower Mustard	Recorded.
<i>Aurinia saxatilis</i>	Golden Alison	Naturalised at Belvedere.
<i>Draba aizoides</i>	Yellow Whitlow Grass	Fedaiia and Falzarego.
<i>Draba hoppeana</i>	a whitlow grass	In flower on Marmolada, 2015.
<i>Draba siliquosa</i>	Carinthian Whitlow Grass	Passo di Giau and Fedaiia.
<i>Draba dubia</i>	Austrian Whitlow Grass	Passo di Giau, Fedaiia, and Falzarego.
<i>Draba fladnizensis</i>	Arctic Draba	1 at Fedaiia, 2014.
<i>Kernera saxatilis</i>	Kernera	Cellina, Giau, and above Canazei.
<i>Rhizobotrya alpina</i>		2 fine plants on Gares gravels 2018.
<i>Capsella bursa-pastoris</i>	Shepherd's-purse	Central Alps endemic. 2019 gravels re-worked so none seen. 2023 none found despite an intensive search!
<i>Pritzelago alpina</i>	Chamois Cress	Scattered records.
		Fedaiia, Giau, above Canazei.

<i>Hymenolobus pauciflorus</i>		Cimoliana, at two sites at base of cliffs. 2023 site not reached due to road closure.
<i>Thlaspi alpestre</i>	Alpine Pennycress	Falzarego 2018.
<i>Thlaspi rotundifolium</i>	Round-leaved Pennycress	River gravels above Canazei, in flower.
<i>Aethionema saxatile</i>	Burnt Candytuft	Claut dinosaur footprint site 2016.
<i>Biscutella laevigata</i>	Buckler Mustard	Widespread in flower and fruit.
Resedaceae		
<i>Reseda lutea</i>	Yellow Mignonette	Cimoliana.
Empetraceae		
<i>Empetrum nigrum</i> ssp. <i>hermaphroditum</i>	Crowberry	In leaf.
Ericaceae		
<i>Erica carnea</i>	Spring Heath	Widespread in open forest at Fontanafredda, in boulder waste on Passo di Giau, Pordoi, and Dolomiti Friulani. Locally dominant. Giau.
<i>Calluna vulgaris</i>	Heather or Ling	Patches on more leached grassland at Passo di Giau, where numerous, Fedaia, Staulanza, and Fontanafredda.
<i>Rhododendron ferrugineum</i>	Alpenrose	Local on limestone e.g. Passo di Giau, Marmolada, and common in Dolomiti Friulani.
<i>Rhododendron hirsutum</i>	Hairy Alpenrose	Boulder waste on Passo di Giau, and Falzarego. In superb flower.
<i>Rhodothamnus chamaecistus</i>	Dwarf Alpenrose	Passo di Giau, in fine flower this year. Cimoliana and Giau.
<i>Loiseleuria procumbens</i>	Creeping Azalea	Giau, in leaf.
<i>Arctostaphylos uva-ursi</i>	Bearberry	Scattered in forest at Fontanafredda, Staulanza, Cimoliana, Giau, Fedaia, and Gares etc.
<i>Arctostaphylos alpina</i>	Alpine Bearberry	Scattered on leached grassland on Passo di Giau, Fedaia, Valparola, and Fontanafredda.
<i>Vaccinium vitis-idaea</i>	Cowberry	Forest at Fontanafredda, Staulanza, and among boulders on Passo di Giau. Also Dolomiti Friulani.
<i>Vaccinium uliginosum</i>	Bog Whortleberry	
<i>Vaccinium myrtillus</i>	Bilberry	
Pyrolaceae		
<i>Pyrola minor</i>	Lesser Wintergreen	Below Staulanza, Giau, Marmolada, Gares, Falzarego.
<i>Pyrola rotundifolia</i>	Round-leaved Wintergreen	Lower Marmolada, Fontanafredda, Vajont, above Canazei, Settimana.
<i>Orthilia secunda</i>	Nodding Wintergreen	Below Staulanza, 2017.
<i>Moneses uniflora</i>	One-flowered Wintergreen	Below Staulanza, and Gares.
Primulaceae		
<i>Primula elatior</i>	Oxlip	In flower at Giau and Falzarego, 2019.
<i>Primula veris</i>	Cowslip	Scattered records in fruit.
<i>Primula farinosa</i>	Bird's-eye Primrose	Passo di Giau, Fontanafredda, Falzarego, Duran, Andraz, Staulanza, above Canazei.
<i>Primula halleri</i>	Long-flowered Primrose	Several at Fedaia and 1 at Giau.
<i>Primula glutinosa</i>	a primrose	Many in fine flower at S. Pellegrino in 2014.
<i>Primula minima</i>	Least Primrose	In flower on Passo di Giau and Fedaia.

<i>Primula auricula</i>	Bear's-ear	Still just in flower Passo di Giau.
<i>Androsace vitaliana</i>	Vitaliana	In flower at Fedaia.
<i>Androsace obtusifolia</i>	Blunt-leaved Rock-jasmine	Several on Fedaia, also 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	A few in flower Passo di Giau and Fedaia.
<i>Soldanella minima</i>	Least Snowbell	Marmolada lower rocks, Giau, 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	Seen on the last day.
<i>Samolus valerandi</i>	Brookweed	Sottoguda Gorge 2017.
Crassulaceae		
<i>Sempervivum wulfenii</i>		Many rosettes at Fedaia 2019.
<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 (above Canazei) and ssp. <i>carinthiacum</i> (Fedaia and Giau).
<i>Rhodiola rosea</i>	Roseroot	Locally common, e.g. Passo di Giau, Fedaia.
Saxifragaceae		
<i>Saxifraga rotundifolia</i>	Round-leaved Saxifrage	Rocky forest at Fontanafredda, Gares, Cimoliana, above Cortina.
<i>Saxifraga caesia</i>	Blue Saxifrage	Marmolada, and Valparola, in bud this year. In leaf Giau.
<i>Saxifraga squarrosa</i>	a saxifrage	In flower Settimana.
<i>Saxifraga oppositifolia</i>	Purple Saxifrage	Fedaia, mostly over, 1 in flower.
<i>Saxifraga crustata</i>	Encrusted Saxifrage	In flower Cellina, and Gares.
<i>Saxifraga hostii</i>	a saxifrage	Avoscan.
<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.
<i>Saxifraga exarata</i>	Musky Saxifrage	Common on Fedaia.
<i>Saxifraga androsacea</i>	Scree Saxifrage	Valparola 2018.
<i>Saxifraga depressa</i>	a saxifrage	A few in flower at Fedaia.
<i>Saxifraga sedoides</i>	a saxifrage	Marmolada 2018. Under snow 2019. Site not reached 2023 due to dismantled cage lift.
<i>Chrysosplenium alternifolium</i>	Alternate-leaved Golden-saxifrage	Gares.
<i>Parnassia palustris</i>	Grass-of-Parnassus	Gares gravels, Duran, Fontanafredda, Marmolada.
<i>Ribes petraeum</i>	Rock Redcurrant	Gares.
<i>Ribes uva-crispa</i>	Gooseberry	Day 3.

Rosaceae

<i>Spiraea decumbens</i>	a spiraea	sspp. <i>decumbens</i> and <i>hacquetii</i> at Cimoliana.
<i>Aruncus dioicus</i>	Goatsbeard Spiraea	Widespread.
<i>Filipendula vulgaris</i>	Dropwort	Scattered records, e.g. Cimoliana.
<i>Filipendula ulmaria</i>	Meadowsweet	Venice roadsides.
<i>Rubus fruticosus</i> agg.	Bramble	Scattered records.
<i>Rubus saxatilis</i>	Rock Bramble	Gares and above Canazei.
<i>Rubus idaeus</i>	Raspberry	Dolomiti Friulani, Fontanafredda, Staulanza.
<i>Rubus caesius</i>	Dewberry	Cimoliana.
<i>Rosa glauca</i>	Blue-leaved Rose	Belvedere and above Caprile.
<i>Rosa pendulina</i>	Alpine Rose	Gares and Cimoliana.
<i>Rosa montana</i>	Mountain Rose	Scattered, e.g. Posalze, Cimoliana, and Gares.
<i>Rosa canina</i>	Dog Rose	Dolomiti Friulani and Belvedere.
<i>Rosa tomentella</i>	Round-leaved Dog Rose	Near Avoscan 2018.
<i>Rosa tomentosa</i>	Harsh Downy-rose	Sottoguda 2018.
<i>Rosa villosa</i>	Downy-rose	Friulani 2023.
<i>Agrimonia eupatoria</i>	Agrimony	Drier verges at lower altitudes.
<i>Aremonia agrimonoides</i>	Bastard Agrimony	Settimana 2013.
<i>Sanguisorba minor</i>	Salad Burnet	Vajont.
<i>Dryas octopetala</i>	Mountain Avens	Widespread on limestone. Passo di Giau, Fedaia, Falzarego, Marmolada, Dolomiti
<i>Geum reptans</i>	Creeping Avens	Friulani, Staulanza. Numerous.
<i>Geum montanum</i>	Mountain Avens	Fedaia.
<i>Geum rivale</i>	Water Avens	Numerous on Passo di Giau and Fedaia.
<i>Geum urbanum</i>	Herb Bennet	Scattered records, e.g. Staulanza, Giau, Gares.
<i>Potentilla anserina</i>	Silverweed	Cimoliana 2019.
<i>Potentilla recta</i>	Sulphur Cinquefoil	Gares valley 2017.
<i>Potentilla crantzii</i>	Alpine Cinquefoil	Rocca Pietore.
<i>Potentilla aurea</i>	Golden Cinquefoil	Limestone grassland, scattered records.
<i>Potentilla neummanniana</i>	a cinquefoil	Widespread and common in more acid grassland and margins of forest, e.g. Fontanafredda, Giau, Fedaia.
<i>Potentilla erecta</i>	Tormentil	Cimoliana and Giau.
<i>Potentilla reptans</i>	Creeping Cinquefoil	Widespread, e.g. Cimoliana.
<i>Potentilla caulescens</i>	Lax Potentilla	Cimolais.
<i>Potentilla nitida</i>	Pink Cinquefoil	Cimoliana, in leaf.
<i>Sibbaldia procumbens</i>	Sibbaldia	Quite common on limestone boulders on and below Passo di Giau, Valparola, Marmolada. Only a few flowers this year.
<i>Fragaria vesca</i>	Wild Strawberry	Fedaia 2017.
<i>Fragaria moschata</i>	a strawberry	Shade at mid-levels.
<i>Fragaria viridis</i>	a strawberry	Fontanafredda.
<i>Alchemilla alpina</i>	Alpine Lady's-mantle	Passo di Giau.
<i>Alchemilla splendens</i>	a lady's-mantle	
<i>Alchemilla hybrida</i>	a lady's-mantle	
<i>Alchemilla xanthochlora</i>	a lady's-mantle	
<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	
<i>Fabaceae</i>		
<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.
<i>Chamaecytisus hirsutus</i>	Hairy Broom	Fontanafredda, locally common.
<i>Genista tinctoria</i>	Dyer's Greenweed	Dolomiti Friulani.
<i>Genista radiata</i>	Southern Greenweed	Settimana.
<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. Locally very common.
<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 and Gares.
<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 and Staulanza.
<i>Lathyrus pratensis</i>	Meadow Vetchling	Scattered in meadows e.g. Dolomiti Friulani.
<i>Lathyrus sylvestris</i>	Narrow-leaved Everlasting-pea	Belvedere, Caprile, Rocca Pietore, San Lucano.
<i>Lathyrus latifolius</i>	Broad-leaved Everlasting-pea	
<i>Lathyrus heterophyllus</i>		San Lucano last stop 2017.
<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	A few records.
<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.
<i>Trifolium repens</i>	White Clover	Scattered records.
<i>Trifolium pallescens</i>		Giau.
<i>Trifolium thallii</i>	Thale Cress	Giau.
<i>Trifolium hybridum</i>	Alsike Clover	Giau.

<i>Trifolium badium</i>	Brown Clover	Fontanafredda, Passo di Giau, Duran, etc.
<i>Trifolium aureum</i>	Large Trefoil	Settimana.
<i>Trifolium campestre</i>	Hop Trefoil	
<i>Trifolium pratense</i>	Red Clover	Common.
<i>Trifolium noricum</i>	a clover	Fedaia meadow (MW) 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.
<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 ssp. <i>carpatica</i> in Dolomiti Friulani.
<i>Coronilla vaginalis</i>		Monte Grappa 2019.
<i>Securigera varia</i>	Crown-vetch	Monte Grappa 2019.
<i>Hippocrepis emerus</i>	False Senna	Avoscan in fruit.
<i>Hippocrepis comosa</i>	Horseshoe-vetch	Widespread and locally common.
<i>Hedysarum hedysaroides</i>	Alpine Sainfoin	Passo Pordoi and Valparola.
<i>Onobrychis montana</i>	Mountain Sainfoin	Giau.
<i>Onobrychis arenaria</i>	Hungarian Sainfoin	Recorded 2015.
<i>Onobrychis viciifolia</i>	Common Sainfoin	Dolomiti Friulani etc.
<i>Elaeagnaceae</i>		
<i>Hippophaë rhamnoides</i>	Sea-buckthorn	
<i>Lythraceae</i>		
<i>Lythrum salicaria</i>	Purple Loosestrife	Roadsides near Venice, and San Lucano.
<i>Thymelaeaceae</i>		
<i>Daphne laureola</i>	Spurge-laurel	Fontanafredda, Settimana, and San Osvaldo.
<i>Daphne mezereum</i>	Mezereon	In fruit San Lucano.
<i>Daphne cneorum</i>	Garland Flower	Staulanza.
<i>Daphne striata</i>	a garland flower	Passo di Giau, Fedaia, Valparola, Pordoi.
<i>Onagraceae</i>		
<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	In leaf Marmolada.
<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	Gares etc.
<i>Epilobium collinum</i>	a willowherb	San Lucano gravels.
<i>Epilobium alpestre</i>	Whorled-leaved Willowherb	In leaf at Staulanza.
<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	
<i>Cornaceae</i>		
<i>Cornus sanguinea</i>	Dogwood	
<i>Santalaceae</i>		
<i>Thesium divaricatum</i>	a bastard toadflax	By the Hotel Pineta.

<i>Thesium pyrenaicum</i>	Pyrenean Bastard Toadflax	Cimoliana 2019.
<i>Thesium alpinum</i>	Alpine Bastard Toadflax	Scattered records, e.g. Giau, Staulanza, Fontanafredda.
<i>Thesium rostratum</i>	a bastard toadflax	Cimoliana.
Celastraceae		
<i>Euonymus europaeus</i>	Spindle	
Euphorbiaceae		
<i>Mercurialis perennis</i>	Dog's Mercury	Settimana.
<i>Euphorbia dulcis</i>	Sweet Spurge	San Lucano 2014.
<i>Euphorbia verrucosa</i>	a spurge	Monte Grappa 2019.
<i>Euphorbia helioscopia</i>	Sun Spurge	Sottoguda 2017.
<i>Euphorbia peplus</i>	Petty Spurge	Montereale Valtellina.
<i>Euphorbia triflora</i> ssp. <i>kernerii</i>	a spurge	Cimoliana and Vajont.
<i>Euphorbia esula</i>	Leafy Spurge	Venice area.
<i>Euphorbia cyparissias</i>	Cypress Spurge	Cimoliana and Vajont.
<i>Euphorbia amygdaloides</i>	Wood Spurge	Settimana and below Duran.
Rhamnaceae		
<i>Rhamnus saxatilis</i>	Rock Buckthorn	Vajont.
<i>Rhamnus cathartica</i>	Buckthorn	Cimoliana.
<i>Rhamnus alpina</i> ssp. <i>fallax</i>	Alpine Buckthorn	Dolomiti Friulani.
<i>Rhamnus pumila</i>	Dwarf Buckthorn	Giau, Rocca Pietore, and Vajont.
<i>Frangula alnus</i>	Alder Buckthorn	Sta. Croce.
Vitaceae		
<i>Parthenocissus quinquefolia</i>	Virginia Creeper	This species Longarone cliffs?
Linaceae		
<i>Linum alpinum</i>	Mountain Flax	Monte Grappa 2019.
<i>Linum viscosum</i>	Sticky Flax	Between Duran and Agordo, and Dont.
<i>Linum tenuifolium</i>	a flax	A few at Vajont.
<i>Linum catharticum</i>	Purging Flax	Scattered records, e.g. Friulani and Giau.
Polygalaceae		
<i>Polygala chamaebuxus</i>	Shrubby Milkwort	Staulanza, Pordoi, and Giau.
<i>Polygala nicaeensis</i>	Nice Milkwort	Dolomiti Friulani, ssp. <i>forojulensis</i> .
<i>Polygala comosa</i>	a milkwort	Pordoi and Valparola.
<i>Polygala vulgaris</i>	Common Milkwort	Scattered records, ssp. <i>oxyptera</i> on Gares gravels.
<i>Polygala alpestris</i>	Mountain Milkwort	Scattered records, e.g. Giau, Staulanza.
<i>Polygala amarella</i>	Dingy Milkwort	Rocky grassland at Fontanafredda and Passo di Giau, etc.
<i>Polygala alpina</i>	Alpine Milkwort	Apparently this Duran, but out of range? 2019.
Aceraceae		
<i>Acer platanoides</i>	Norway Maple	
<i>Acer campestre</i>	Field Maple	Vajont and Cellina.
<i>Acer pseudoplatanus</i>	Sycamore	Widespread.
Oxalidaceae		
<i>Oxalis corniculata</i>	Procumbent Yellow-sorrel	
<i>Oxalis stricta</i>	a sorrel	Avoscan.
<i>Oxalis acetosella</i>	Wood Sorrel	In flower Staulanza.

Geraniaceae

<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	Vajont 2017.
<i>Geranium robertianum</i>	Herb Robert	Scattered records.

Balsaminaceae

<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	Below Agordo, 2015.

Apiaceae

<i>Sanicula europaea</i>	Sanicle	Settimana.
<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 Fedaia, Gares, Fontanafredda, Posalz, and below Giau.
<i>Pimpinella saxifraga</i>	Burnet-saxifrage	Dolomiti Friulani.
<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.
<i>ssp. caricinum</i>		
<i>Trinia glauca</i>	Honewort	Fedaia.
<i>Carum carvi</i>	Caraway	Cimoliana, Giau, etc.
<i>Ligusticum mutellinoides</i>	Unbranched Lovage	Fedaia.
<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 Fedaia.
<i>Peucedanum verticillare</i>	a masterwort	Cimoliana, Belvedere, Avoscan, San Lucano.
<i>Pastinaca sativa</i>	Wild Parsnip	Sta. Croce.
<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.
<i>Laserpitium peucedanoides</i>	a sermountain	Cimoliana.
<i>Torilis japonica</i>	Upright Hedge-parsley	Near Venice.
<i>Daucus carota</i>	Wild Carrot	Venice roadsides and Belvedere.
Gentianaceae		
<i>Centaureum erythraea</i>	Common Centaury	Cimoliana 2017.
<i>Centaureum 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	Numerous Passo di Giau and Fedaia.
<i>Gentiana asclepiadea</i>	Willow Gentian	Val Cimoliana, in leaf.
<i>Gentiana cruciata</i>	Cross Gentian	In leaf Settimana.
<i>Gentiana prostrata</i>	a gentian	One at Fontanafredda 2010 was a new record for this tour, but not seen there since!
<i>Gentiana clusii</i>	Clusius's Gentian	In fine flower Valparola and Pordoi.
<i>Gentiana acaulis</i>	Trumpet Gentian	Fedaia and Passo di Giau, locally common.
<i>Gentiana verna</i>	Spring Gentian	Widespread and locally common, e.g. Giau Fedaia, Marmolada, Pordoi.
<i>Gentiana brachyphylla</i>	a gentian	Fedaia, Passo di Giau, Pordoi.
<i>Gentiana orbicularis</i>	a gentian	Marmolada 2018. Under snow 2019. Site not reached 2023 due to dismantled cage lift.
<i>Gentiana bavarica</i>	Bavarian Gentian	Several in wet flushes at Valparola.
<i>Gentiana terglouensis</i>	Triglav Gentian	Many in fine flower at Valparola.
<i>Gentiana nivalis</i>	Snow Gentian	Over at Fedaia.
<i>Gentiana utriculosa</i>	Bladder Gentian	Cimoliana and Fontanafredda.
<i>Gentiana nana</i>		4 petals. Recorded 2012.
<i>Gentiana pilosa</i>	a gentian	Below Giau 2017.
<i>Gentiana germanica</i>	German (or Chiltern!) Gentian	Fontanafredda.
Aslepiadaceae		
<i>Vincetoxicum hirsutinaria</i>	Swallow-wort	Dolomiti Friulani etc., widespread and locally common.
Solanaceae		
<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	San Lucano gravels.
<i>Solanum tuberosum</i>	Potato	San Lucano gravels 2014!
Convolvulaceae		
<i>Cuscuta europaea</i>	Greater Dodder	San Lucano, parasitising <i>Urtica dioica</i> , 2014.
<i>Cuscuta epithymum</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.
Boraginaceae		
<i>Echium vulgare</i>	Viper's Bugloss	Widespread and locally very common.
<i>Pulmonaria officinalis</i>	Lungwort	Gares valley and Duran, in leaf.
<i>Pulmonaria vallisarsae</i>	a lungwort	In late flower at Fontanafredda 2018!
<i>Pulmonaria australis</i>	a lungwort	Fedaia and Giau 2019.

<i>Symphytum officinale</i>	Common Comfrey	Avoscan.
<i>Myosotis arvensis</i>	Field Forget-me-not	San Lucano.
<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, locally very common.
<i>Myosotis scorpioides</i>	Water Forget-me-not	Fontanafredda.
<i>Eritrichium nanum</i>	King of the Alps	Very many fine examples at Fedaia. Abundantly in flower!
<i>Lappula deflexa</i>		In flower and fruit in Sottoguda gorge, 2017.
Verbenaceae		
<i>Verbena officinalis</i>	Vervain	Recorded 2017.
Lamiaceae		
<i>Ajuga genevensis</i>	Blue Bugle	Settimana and Avoscan.
<i>Ajuga pyramidalis</i>	Pyramidal Bugle	Passo di Giau, Staulanza, Passo di Fedaia, Gares.
<i>Ajuga reptans</i>	Bugle	Cimoliana 2018.
<i>Teucrium montanum</i>	Mountain Germander	Vajont.
<i>Melittis melissophyllum</i>	Bastard Balm	A white flowered form Dont and Settimana.
<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 Gare
<i>Lamium album</i>	White Dead-nettle	Scattered records.
<i>Lamium galeobdolon</i>	Yellow Archangel	Barcis [ssp. <i>flavidum</i>]
<i>Stachys alopecuroides</i>	Yellow Betony	Widespread.
<i>Stachys officinalis</i>	Betony	Cimoliana.
<i>Stachys alpina</i>	Limestone Woundwort	<i>Epipactis palustris</i> site, in flower, and Gares.
<i>Stachys sylvatica</i>	Hedge Woundwort	<i>Epipactis palustris</i> site, in flower, and Gares.
<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	Widespread.
<i>Acinos arvensis</i>	Basil Thyme	Scattered records.
<i>Clinopodium vulgare</i>	Wild Basil	Cimolais.
<i>Origanum vulgare</i>	Marjoram	Rocca Pietore, Avoscan.
<i>Thymus praecox</i> ssp. <i>polytrichus</i>	Hairy Thyme	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, in flower San Lucano.
<i>Salvia pratensis</i>	Meadow Clary	Widespread and common.
<i>Salvia saccardiana</i>	a sage	Vajont.
Plantaginaceae		
<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	
Buddlejaceae		
<i>Buddleja davidii</i>	Buddleia	Naturalised on river gravels.
Oleaceae		
<i>Fraxinus ornus</i>	Manna Ash	
<i>Fraxinus excelsior</i>	Ash	Widespread.
<i>Ligustrum vulgare</i>	Privet	Dolomiti Friulani.
Scrophulariaceae		
<i>Verbascum thapsus</i>	Aaron's-rod	Scattered records.
<i>Verbascum pulverulentum</i>	Hoary Mullein	Dolomiti Friulani, Belvedere, etc.
<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	Monte Grappa 2019.
<i>Scrophularia nodosa</i>	Common Figwort	Cimoliana etc.
<i>Scrophularia canina</i>	Alpine Figwort	Fontanafredda.
<i>Scrophularia juratensis</i>	a figwort	
<i>Chaenorhinum minus</i>	Small Toadflax	Cimoliana.
<i>Linaria angustissima</i>	a Toadflax	Belvedere.
<i>Linaria alpina</i>	Alpine Toadflax	Fedaia.
<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.
<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>] Giau marsh.
<i>Veronica fruticans</i>	Rock Speedwell	Locally common at Fontanafredda. Also Fedaia and Marmolada, where especially deep blue.
<i>Veronica fruticulosa</i>	a speedwell	Belvedere and Rocca Pietore.
<i>Veronica urticifolia</i>	Nettle-leaved Speedwell	Dolomiti Friulani, Gares, etc.
<i>Veronica aphylla</i>	Leafless-stemmed Speedwell	Staulanza.
<i>Veronica officinalis</i>	Heath Speedwell	Fontanafredda, Duran, and Staulanza.
<i>Veronica chamaedrys</i>	Bird's-eye Speedwell	Meadow margins at Fontanafredda, Duran, Staulanza, Giau, etc.
<i>Veronica montana</i>	Wood Speedwell	Gares 2015.
<i>Veronica beccabunga</i>	Brooklime	In leaf at Giau.
<i>Veronica anagallis-aquatica</i>	Blue Water-speedwell	Recorded 2023.
<i>Veronica persica</i>	Common Field Speedwell	Rocca Pietore 2017.
<i>Paederota bonarota</i>	Bluish Paederota	Limestone cliffs and boulders e.g.. Passo di Giau (and below), Andraz, and Valparola.
<i>Melampyrum velebaticum</i>	a cow-wheat	San Lucano.
<i>Melampyrum sylvaticum</i>	Wood Cow-wheat	Gares, Staulanza, above Cortina, Fontanafredda.
<i>Melampyrum pratense</i>	Common Cow-wheat	Dolomiti Friulani (San Osvaldo).
<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>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. Fontanafredda 2018.
<i>Pedicularis palustris</i>	Marsh Lousewort	Fedaia.
<i>Pedicularis tuberosa</i>	Long-beaked Yellow Lousewort	Fontanafredda, Giau, numerous between Pecol and Pescul.
<i>Pedicularis elongata</i>	a lousewort	In flower at Valparola. This hybrid at Valparola, 2018.
<i>Pedicularis rostratocapitata</i>	Beaked Lousewort	
<i>Pedicularis elongata</i> x <i>rostratocapitata</i>		
<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.
Globulariaceae		
<i>Globularia bisnagarica</i>	a globularia	Vajont and Dolomiti Friulani, over this year.
<i>Globularia cordifolia</i>	Matted Globularia	Dolomiti Friulani and Passo Pordoi.
Orobanchaceae		
<i>Orobanche purpurea</i>	Yarrow Broomrape	On <i>Achillea</i> at Belvedere, a few fine plants. Fontanafredda 2017.
<i>Orobanche alba</i>	Thyme Broomrape	Scattered records.
<i>Orobanche caryophyllacea</i>	Bedstraw Broomrape	Claut 2015, an interesting record.
<i>Orobanche teucrii</i>	Germander Broomrape	Parasitising <i>Teucrium montanum</i> . Near Barcis 2019.
<i>Orobanche flava</i>	Butterbur Broomrape	Widespread, e.g. San Osvaldo, Fontanafredda.
<i>Orobanche gracilis</i>	Slender Broomrape	
Lentibulariaceae		
<i>Pinguicula alpina</i>	Alpine Butterwort	Locally in fine flower, at Passo di Giau, Marmolada at foot of chairlift, Gares, Fedaia, and Falzarego. Gares 2019.
<i>Pinguicula leptoceras</i>	a butterwort	Scattered records, e.g. Andraz, Dont, above Cortina.
<i>Pinguicula vulgaris</i>	Common Butterwort	
Campanulaceae		
<i>Campanula rapunculus</i>	Rampion Bellflower	Sta. Croce 2023
<i>Campanula persicifolia</i>	Peach-leaved Bellflower	Fontanafredda, San Lucano, Duran.
<i>Campanula barbata</i>	Bearded Bellflower	Fontanafredda, below Fedaia, locally common.
<i>Campanula glomerata</i>	Clustered Bellflower	Widespread, e.g. Cimoliana, Gares, San Osvaldo, above Canazei, below Duran.
<i>Campanula cervicaria</i>	a clustered bellflower	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. Not seen 2023.
<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.

<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	Duran.
<i>Phyteuma ovatum</i>	Dark Rampion	Gares.
<i>Phyteuma zahlbruckneri</i>	a rampion	Fontanafredda 2017.
<i>Phyteuma betonicifolium</i>	Betony-leaved Rampion	Fedaia.
<i>Phyteuma orbiculare</i>	Round-headed Rampion	Giau, Fontanafredda, Fedaia, Andraz.
<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>Physoxalis comosa</i>	Devil's Claw	Cimoliana, many in bud, some in fine flower. Cellina in superb flower.
Rubiaceae		
<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.
<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.
<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.
Caprifoliaceae		
<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	Day 6 2018.
<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.
Adoxaceae		
<i>Adoxa moschatellina</i>	Moschatel	In flower at Gares, 2014.
Valerianaceae		
<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.

<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 3 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>		
<i>Knautia arvensis</i>	Field Scabious	Gares meadow, Posalz, etc.
<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, all 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	San Lucano gravels.
<i>Antennaria dioica</i>	Mountain Everlasting	Local in drier unshaded places at Cimoliana, Fontanafredda etc.
<i>Antennaria carpatica</i>	Carpathian Catsfoot	Fedaia and Giau.
<i>Leontopodium alpinum</i>	Edelweiss	Valparola, Giau, and one in flower on San Lucano 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, e.g. Andreis.
<i>Achillea oxyloba</i>	Alpine Sneezewort	Near the Marmolada dam, and Valparola.
<i>Achillea erba-rotta</i> ssp. <i>moschata</i>	a milfoil	In flower at Fedaia.
<i>Achillea atrata</i>	Dark-stemmed Sneezewort	Low on Marmolada, and at Valparola and Falzarego.
<i>Achillea clavennae</i>	Silvery Milfoil	Rocks on Passo di Giau, Fedaia, Falzarego.
<i>Achillea macrophylla</i>	Large-leaved Sneezewort	Dolomiti Friulani roadsides.
<i>Achillea millefolium</i>	Yarrow	Widespread.
<i>Achillea roseoalba</i>	a yarrow	Dolomiti Friulani, Fedaia meadows.
<i>Tripleurospermum inodorum</i>	Scentless Mayweed	
<i>Matricaria chamomilla</i>	Scented Mayweed	Recorded 2018.
<i>Matricaria discoidea</i>	Pineapple-weed	Pavement weed.
<i>Tanacetum corymbosum</i>	a tansy	Above Longarone.
<i>Leucanthemopsis alpina</i>	Alpine Moon Daisy	Fedaia 2018.
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	Dolomiti Friulani etc.

<i>Leucanthemum heterophyllum</i>	an ox-eye daisy	Widespread, e.g. Cimoliana.
<i>Artemisia vulgaris</i>	Mugwort	Scattered records.
<i>Artemisia absinthium</i>	Wormwood	Belvedere.
<i>Artemisia genipi</i>	a wormwood	Fedaia, several seen.
<i>Tussilago farfara</i>	Coltsfoot	Widespread in leaf.
<i>Petasites albus</i>	White Butterbur	Still in flower in Sottoguda Gorge 2014!
<i>Petasites hybridus</i>	Butterbur	Similar habitats to latter but at lower altitudes, in leaf and fruit.
<i>Petasites paradoxus</i>	Alpine Butterbur	In leaf at Valparola.
<i>Homogyne alpina</i>	Alpine Coltsfoot	Common in shade and among rocks e.g. Passo di Giau, Cimoliana, Fedaia, Staulanza, Gares, Fontanafredda. Locally very common.
<i>Homogyne discolor</i>	an alpine coltsfoot	Valparola, not seen 2023.
<i>Adenostyles alliariae</i>	Adenostyles	Forests, margins and meadows, e.g. Giau, Marmolada.
<i>Adenostyles glabra</i>		Scattered, e.g. San Lucano.
<i>Arnica montana</i>	Arnica	Scattered in meadows at Fontanafredda, Fedaia, and Duran.
<i>Doronicum columnnae</i>	Heart-leaved Leopard's-bane	In flower at Falzarego and Giau.
<i>Doronicum glaciale</i>	a leopard's-bane	Fedaia 2015.
<i>Senecio incanus</i>	Grey Alpine Groundsel	Leached grassland, Passo di Giau, Fedaia. In leaf this year. [ssp.carniolicus]
<i>Senecio inaequidens</i>	Narrow-leaved Ragwort	Longarone roadsides, native to South Africa. 2018.
<i>Senecio germanicus</i> ssp.glabratus	Wood Ragwort	Gares, San Lucano.
<i>Senecio cacaliaster</i>	a ragwort	Gares.
<i>Senecio alpinus</i>	Alpine Ragwort	Meadows and moist flushes at Staulanza (bud), Fontanafredda, and at Passo Duran.
<i>Senecio rupestris</i>	Rock (Oxford) Ragwort	Marmolada.
<i>Senecio abrotanifolius</i>	a ragwort	A few in Settimana valley.
<i>Senecio vulgaris</i>	Common Groundsel	
<i>Tephrosieris tenuifolia</i>	a ragwort	Gares, in fruit this year.
<i>Carlina acaulis</i>	Stemless Carline Thistle	Old fruiting heads.
<i>Arctium lappa</i>	Greater Burdock	
<i>Arctium minus</i>	Lesser Burdock	
<i>Saussurea discolor</i>		Valparola boulders, in bud.
<i>Carduus nutans</i>	Musk Thistle	
<i>Carduus personata</i>	Great Marsh Thistle	Widespread in moist forest edges, e.g. Duran, Gares and San Lucano. Locally common.
<i>Carduus defloratus</i>	Alpine Thistle	Widespread. More than one subspecies present.
<i>Cirsium eriophorum</i>	Woolly-headed Thistle	Cimoliana 2014.
<i>Cirsium vulgare</i>	Spear Thistle	Venice Airport 2017.
<i>Cirsium montanum</i>	a thistle	Gares, San Lucano.
<i>Cirsium erisithales</i>	Yellow Melancholy Thistle	Widespread and locally common.
<i>Cirsium carniolicum</i>	a thistle	San Lucano 2018.
<i>Cirsium oleraceum</i>	Cabbage Thistle	Dont.
<i>Cirsium spinosissimum</i>	Spiniest Thistle	Grassland on Passo di Giau, Fedaia, and Falzarego.
<i>Cirsium helenoides</i>	Melancholy Thistle	Fontanafredda and Gares in bud.
<i>Cirsium palustre</i>	Marsh Thistle	Settimana and Dont.
<i>Cirsium arvense</i>	Creeping Thistle	Scattered records.
<i>Centaurea dichroantha</i>	a knapweed	Yellow and purple forms in Settimana, the yellow much more numerous, only 3 purple plants seen.

<i>Centaurea scabiosa</i>	Greater Knapweed	Vajont etc.
<i>Centaurea jacea</i>	Brown Knapweed	Vajont, ssp. <i>angustifolia</i> ?
<i>Centaurea nigrescens</i>	a knapweed	Scattered records, e.g. Cimoliana and San Lucano.
<i>Centaurea pseudophrygia</i>	a knapweed	In bud Giau, 2018.
<i>Centaurea nervosa</i>	Plume Knapweed	Giau, Fedaiia, Marmolada, in bud.
<i>Centaurea montana</i>	Perennial Cornflower	Vajont and Monte Grappa. Not seen 2023.
<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.
<i>Hypochoeris uniflora</i>	Giant Cat's-ear	Fedaiia and Valparola.
<i>Hypochoeris facchiniana</i>	a cat's-ear	Posalz and Fedaiia.
<i>Hypochoeris radicata</i>	Cat's-ear	
<i>Leontodon helveticus</i>	a hawkbit	Fedaiia.
<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. Fontanafredda.
<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.
<i>Prenanthes purpurea</i>	Purple Lettuce	Gares, in leaf.
<i>Mycelis muralis</i>	Wall Lettuce	Scattered records.
<i>Taraxacum palustre</i>	Marsh Dandelion	Giau marsh, in leaf 2017. Not seen 2018, 2019, 2023.
<i>Taraxacum officinale</i>	Dandelion	Widespread.
<i>Taraxacum spp.</i>	Dandelions	Verges at Passo di Giau and scree/crevices high on Marmolada. 2018.
<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 bocconeii</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 Settimana.
<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 Fedaiia.
<i>Hieracium caespitosum</i>	Yellow Fox-and-Cubs	Belvedere.
<i>Hieracium aurantiacum</i>	Fox-and-Cubs	Fedaiia meadow.
<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

Butomus umbellatus Flowering-rush Roadside ditches near Marco Polo airport. Not seen there since 2014.

Juncaginaceae

Triglochin palustris Marsh Arrow-grass Fontanafredda.

Araceae

Arum italicum Italian Lords and Ladies Near Venice 2017.

Juncaceae

Juncus jacquini a rush Giau and Fedaiia, on acidic substrate.
Juncus filiformis Thread Rush Scattered records.
Juncus trifidus Three-leaved Rush Acid grassland on Passo di Giau and Passo Fedaiia.
Juncus monanthus a rush On calcareous substrates, Giau and low on Marmolada.
Juncus compressus Round-fruited Rush Scattered records, e.g. Day 8.
Juncus tenuis Slender Rush Dolomiti Friulani, Gares, etc.
Juncus bufonius Toad Rush Settimana, etc.
Juncus alpinoarticulatus Alpine Rush Scattered records.
Juncus articulatus Jointed Rush Wet flushes, Dolomiti Friulani, etc.
Juncus triglumis Three-flowered Rush Several in wet flushes at Andraz.
Luzula campestris Field Woodrush Fontanafredda and Giau etc.
Luzula multiflora Many-flowered Woodrush Scattered records, e.g. Staulanza.
Luzula pallidula Fen Wood-rush Fen at Gares 2015 and 2017. New for Belluno province?
Luzula sudetica a woodrush More acid grassland at Passo di Giau, Fontanafredda, etc.
Luzula alpina Alpine Woodrush Fontanafredda.
Luzula spicata mutabilis a woodrush Acid sward at Giau.
Luzula sylvatica Great Woodrush Giau 2014.
Luzula sieberi a woodrush At the 'north of Cortina' lunch site.
Luzula nivea a woodrush Dolomiti Friulani etc.
Luzula luzuloides White Woodrush Forests at Fontanafredda etc.
Luzula alpinopilosa a woodrush ssp.*rubella* at Fontanafredda and Gares.
Luzula glabrata a woodrush Locally common on acidic substrates.
Luzula pilosa Hairy Woodrush Deep acid soils at Giau. Settimana etc.

Cyperaceae

Scirpus sylvaticus Wood Club-rush Duran 2018.
Trichophorum alpinum Cotton Deer-grass Fontanafredda 2019.
Trichophorum caespitosum Deer-grass Valparola and Giau bogs.
Blysmus compressus Flat-headed Sedge Settimana, Giau, Duran, Fontanafredda.
Eriophorum angustifolium Common Cotton-grass Wet flushes at Fontanafredda and Passo di Giau.
Eriophorum latifolium Broad-leaved Cotton-grass Settimana and Duran.
Eriophorum vaginatum Hare's-tail Cotton-grass Bog near Passo do Giau, in leaf. 2018.
Eleocharis quinqueflora Few-flowered Spike-rush Valparola 2019.
Elyna myosuroides Fedaiia 2015.
Carex paniculata Tussock Sedge Staulanza, Gares, and Duran.
Carex appropinquata Fibrous Tussock Sedge Duran.
Carex spicata Spiked Sedge
Carex pairae a sedge San Lucano, Dolomiti Friulani, etc.

<i>Carex divulsa</i> <i>Carex stenophylla</i>	Grey Sedge a sedge	Venice area. Apparently this rather obscure species at Andraz, 2017. This would apparently have been a new record for Belluno province. Fontanafredda 2018.
<i>Carex leporina</i> <i>Carex echinata</i> <i>Carex dioica</i> <i>Carex davalliana</i> <i>Carex lachenalii</i> <i>Carex curvula</i>	Oval Sedge Star Sedge Dioecious Sedge Davall's Sedge Hare's-foot Sedge Curved Sedge	Dont. Dont. Duran and Fontanafredda. Giau bog 2015. On acidic substrate at Giau, with <i>Loiseleuria procumbens</i> . Staulanza and Andraz. Santa Croce lake shore 2014. Duran.
<i>Carex hirta</i> <i>Carex lasiocarpa</i> <i>Carex rostrata</i> <i>Carex pendula</i> <i>Carex sylvatica</i> <i>Carex capillaris</i>	Hairy Sedge Slender Sedge Bottle Sedge Pendulous Sedge Wood Sedge Hair Sedge	Venice area 2019. Settimana and Gares. 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 Settimana.
<i>Carex flava</i> <i>Carex lepidocarpa</i> <i>Carex demissa</i> <i>Carex viridula</i> <i>Carex pallescens</i> <i>Carex halleriana</i> <i>Carex digitata</i> <i>Carex ornithopoda</i> <i>Carex ornithopodioides</i>	Great Yellow-sedge Long-stalked Yellow Sedge a yellow sedge a yellow sedge Pale Sedge a sedge Fingered Sedge Bird's-foot Sedge a bird's-foot sedge	Dolomiti Friulani, Dont, Gares. Settimana, Dont, Duran. Fedaiia 2017. Duran. Cimoliana. Settimana. Fontanafredda. Scattered records, e.g. Giau. Locally common.
<i>Carex humilis</i> <i>Carex caryophyllea</i>	Dwarf Sedge Spring Sedge	Giau, slope above acid marsh.
<i>Carex tomentosa</i> <i>Carex montana</i>	Downy-fruited Sedge Soft-leaved Sedge	Dont 2023. Scattered records, e.g. Vajont, Fontanafredda, and Andraz.
<i>Carex pilulifera</i> <i>Carex alba</i>	Pill Sedge White-flowered Sedge	Settimana 2018. Dolomiti Friulani and Day 5. Locally very common.
<i>Carex sempervirens</i> <i>Carex firma</i>	Evergreen Sedge a sedge	Widespread and common. Cimoliana, Giau, Falzarego. Locally common.
<i>Carex mucronata</i> <i>Carex ferruginea</i>	a sedge a sedge	Cimoliana and Giau. Widespread, e.g. Dolomiti Friulani. ssp. <i>ferruginea</i> and <i>austroalpina</i> .
<i>Carex brachystachys</i> <i>Carex frigida</i> <i>Carex limosa</i> <i>Carex atrata</i>	a sedge a sedge Bog Sedge Jet Sedge	Giau. Gares 2014. Andraz 2018. Fedaiia, Giau, and Valparola. [ssp. <i>aterrima</i>]
<i>Carex nigra</i>	Common Sedge	Marshy ground at Fontanafredda, Passo di Giau, Duran, Staulanza, etc.
<i>Carex rupestris</i> <i>Carex pulicaris</i>	Rock Sedge Flea Sedge	Passo di Giau. Fontanafredda 2017.

Poaceae

<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	
<i>Festuca valesiaca</i>	a fescue	Common in grassland on Passo di Fedaia. Scattered records.
<i>Lolium perenne</i>	Perennial Rye-grass	
<i>Lolium multiflorum</i>	Italian Rye-grass	
<i>Poa annua</i>	Annual Meadow-grass	Widespread.
<i>Poa trivialis</i>	Rough Meadow-grass	S.Osvaldo.
<i>Poa pratensis</i>	Smooth Meadow-grass	
<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 and Gares.
<i>Poa alpina</i>	Alpine Meadow-grass	Grassy knolls and rocks at Fontanafredda, Passo di Giau, Fedaia, generally viviparous. Widespread.
<i>Dactylis glomerata</i>	Cock's-foot	Locally common, e.g. Fontanafredda and Dolomiti Friulani.
<i>Briza media</i>	Quaking Grass	Rocks on Passo di Giau. Limestone: Passo di Giau, Cimoliana, etc. Locally dominant.
<i>Sesleria sphaerocephala</i>		In attractive flower on acidic rocks, Fedaia. Not seen 2023.
<i>Sesleria caerulea</i>		Cimoliana and Fontanafredda. Dolomiti Friulani and Belvedere.
<i>Oreochloa disticha</i>		In the lake at San Lucano, 2018. Rocca Pietore. Fontanafredda and Dolomiti Friulani. San Lucano 2017.
<i>Melica nutans</i>	Mountain Melick	
<i>Melica ciliata</i>	Ciliate Melick	
<i>Glyceria notata</i>	Plicate Sweet-grass	
<i>Bromus tectorum</i>	Drooping Brome	
<i>Bromus inermis</i>	Hungarian Brome	
<i>Bromus benekenii</i>	Lesser Hairy-brome	
<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.
<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 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.
<i>Molinia caerulea</i>	Purple Moor-grass	
<i>Molinia arundinacea</i>		Monte Grappa 2019.
<i>Nardus stricta</i>	Mat-grass	Giau, Fedaia.
<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.
Typhaceae		
<i>Typha latifolia</i>	Bulrush	Roadsides lower down.
Liliaceae		
<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. Sta.Croce 2023
<i>Anthericum ramosum</i>		Abundant below Fedaia.
<i>Paradisea liliastrum</i>	St. Bruno's Lily	An intriguing probable endemic, Val Cimoliana, in fine flower. Also
<i>Hemerocallis lilio-asphodelus</i>	a day lily	Settimana.
<i>Hemerocallis fulva</i>	a day lily	Naturalised.
<i>Colchicum autumnale</i>	Meadow Saffron	In fruit in Cimoliana meadows and Day 5.
<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 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.
<i>Convallaria majalis</i>	Lily-of-the-valley	Settimana, in leaf.
<i>Maianthemum bifolium</i>	May-lily	Below Staulanza.
<i>Streptopus amplexifolius</i>		Gares.
<i>Polygonatum verticillatum</i>	Whorled Solomon's-seal	Day 5 and Gares.
<i>Polygonatum multiflorum</i>	Solomon's Seal	Belvedere 2019.
<i>Polygonatum odoratum</i>	Scented Solomon's-seal	Below Staulanza.
<i>Paris quadrifolia</i>	Herb Paris	Gares.
Iridaceae		
<i>Sisyrinchium montanum</i>	American Blue-eyed Grass	Naturalised upper Settimana, 2023.
<i>Crocus albiflorus</i>	White Crocus	Some just gone over by recent snowmelt at Giau.
Orchidaceae		
<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

<i>Epipactis palustris</i>	Marsh Helleborine	due to the closed road. A group of plants in superb flower below Staulanza.
<i>Epipactis helleborine</i>	Broad-leaved Helleborine	Dont and Vajont.
<i>Epipactis atrorubens</i>	Dark Red Helleborine	Dolomiti Friulani.
<i>Epipactis microphylla</i>	a helleborine	Vajont.
<i>Cephalanthera longifolia</i>	Sword-leaved Helleborine	2, Cimoliana, 2017.
		Cimoliana, Vajont, and below Duran.
		Not seen 2023.
<i>Cephalanthera rubra</i>	Red Helleborine	1 at Vajont and several in fine flower San Osvaldo.
<i>Neottia nidus-avis</i>	Bird's-nest Orchid	Settimana.
<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 common, Dolomiti Friulani, Giau, and Fedaia meadows.
		c.15 in late bud at Valparola.
<i>Chamorchis alpina</i>	False Orchid	Widespread and often common.
<i>Gymnadenia conopsea</i>	Fragrant Orchid	Dolomiti Friulani 2018.
<i>Gymnadenia odoratissima</i>	Short-spurred Fragrant Orchid	Fontanafredda and Passo di Fedaia.
<i>Pseudorchis albida</i>	Small White Orchid	Fontanafredda, Andraz, Giau.
<i>Nigritella rhellicani</i>	Black Vanilla Orchid	Below the Passo di Giau, and at Fedaia. Not seen 2018, 2019, or 2023.
<i>Nigritella rubra</i>	Red Vanilla Orchid	Short turf, Fontanafredda, Fedaia, Gares.
<i>Coeloglossum viride</i>	Frog Orchid	Fontanafredda, both purple form and yellow form, still in flower. 1 purple form at Fedaia. 2 purple Giau. A few Monte Grappa. 2019.
<i>Dactylorhiza sambucina</i>	Elder-flowered Orchid	Very common in wet areas over 1800m, Duran, Fontanafredda, Staulanza, etc.
		Dont.
<i>Dactylorhiza majalis</i>	Alpine Marsh Orchid	Giau 2018.
		Locally very common in woods and meadows.
<i>Dactylorhiza traunsteineri</i>	Narrow-leaved Marsh Orchid	Fontanafredda, below Giau, Fedaia.
<i>Dactylorhiza lapponica</i>	a marsh orchid	c.40 in flower in grassland at Fontanafredda.
<i>Dactylorhiza fuchsii</i>	Common Spotted Orchid	4 at Vajont, 2019.
<i>Traunsteinera globosa</i>	Round-headed 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>Orchis ustulata</i>	Burnt Orchid	Cimoliana meadows and Vajont.
<i>Orchis militaris</i>	Military Orchid	Vajont and Cimolais.
<i>Orchis mascula</i>	Early Purple Orchid	14 in Staulanza woods, 3 Marmolada. 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 2019 or 2023.
<i>Anacamptis pyramidalis</i>	Pyramidal Orchid	2016: 2 at San Osvaldo, 5 at Posalz.
<i>Ophrys insectifera</i>	Fly Orchid	2017: c.8 at Posalz.
<i>Corallorhiza trifida</i>	Coralroot Orchid	2018: 2 at Posalz.
<i>Liparis loeselii</i> ssp. <i>nemoralis</i>	Fen Orchid	2023: 1 at Gares, 1 at Posalz.
<i>Malaxis monophyllos</i>	Single-leaved Bog Orchid	

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

Pieridae

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

Lycaenidae

Green Hairstreak	<i>Callophrys rubi</i>	Widespread in small numbers, seen on 5 days.
Scarce Copper	<i>Lycaena virgaureae</i>	San Lucano.
Sooty Copper	<i>Lycaena tityrus</i>	Singletons Day 5 and Fedaia meadow.
Purple-shot Copper	<i>Lycaena alciphron</i>	Settimana.
Purple-edged Copper	<i>Lycaena hippothoe</i>	Day 9.
Little Blue	<i>Cupido minimus</i>	Widespread, seen almost daily.
Holly Blue	<i>Celastrina argiolus</i>	Sta. Croce.
Large Blue	<i>Maculinea arion</i>	Vajont and Fontanafredda.
Silver-studded Blue	<i>Plebejus argus</i>	Scattered records.
Idas Blue	<i>Plebejus idas</i>	San Lucano.
Brown Argus	<i>Aricia agestis</i>	Duran.
Mazarine Blue	<i>Cyaniris semiargus</i>	Scattered records.
Amanda's Blue	<i>Agrodiaetus amanda</i>	Gares.
Adonis Blue	<i>Lysandra bellargus</i>	Widespread, seen on 6 days.
Common Blue	<i>Polyommatus icarus</i>	Gares.

Riodinidae

Duke of Burgundy Fritillary	<i>Hamaeris lucina</i>	Settimana and Day 5.
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Libytheidae

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

Purple Emperor	<i>Apatura iris</i>	Sta. Croce.
Hungarian Glider	<i>Neptis rivularis</i>	Cellina.
Large Tortoiseshell	<i>Nymphalis polychloros</i>	Fontanafredda.
Red Admiral	<i>Vanessa atalanta</i>	Widespread in small numbers.
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

Small Tortoiseshell	<i>Aglais urticae</i>	on 6 days. 2018 seen on 6 days. 2019 very common, seen on 7 days. 2023, only on Day 4.
Comma	<i>Polygonia c-album</i>	Scattered at higher altitudes.
Silver-washed Fritillary	<i>Argynnis paphia</i>	Scattered records.
Shepherd's/Mountain Fritillary	<i>Boloria pales/napaea</i>	Only one, Cellina.
Pearl-bordered Fritillary	<i>Clossiana euphrosyne</i>	One of these species in flight at Fedaia.
False Heath Fritillary	<i>Melitaea diamina</i>	Fontanafredda and Gares.
Heath Fritillary	<i>Mellicta athalia</i>	Dolomiti Friulani, Day 5, San Lucano.
Marsh Fritillary	<i>Euphydryas aurinia</i>	Scattered records.
		Day 5.
<i>Satyridae</i>		
Marbled White	<i>Melanargia galathea</i>	Scattered records.
Alpine Grayling	<i>Oeneis glacialis</i>	One at Fedaia, just emerged from its pupa.
		Vajont.
Arran Brown	<i>Erebia ligea</i>	Gares.
Large Ringlet	<i>Erebia euryale</i>	Widespread.
Woodland Ringlet	<i>Erebia medusa</i>	Scattered records.
Almond-eyed Ringlet	<i>Erebia alberganus</i>	Giau and Valparola.
Dewy Ringlet	<i>Erebia pandrose</i>	Cimoliana.
Meadow Brown	<i>Maniola jurtina</i>	Scattered records.
Small Heath	<i>Coenonympha pamphilus</i>	Widespread, locally numerous in Dolomiti Friulani.
Pearly Heath	<i>Coenonympha arcania</i>	Fontanafredda and Giau.
		Scattered records.
Alpine Heath	<i>Coenonympha gardetta</i>	Scattered records.
Speckled Wood	<i>Pararge aegeria</i>	Scattered records.
Large Wall Brown	<i>Lasiommata maera</i>	Above Cortina.
Northern Wall Brown	<i>Lasiommata petropolitana</i>	Dolomiti Friulani.
Woodland Brown	<i>Lopinga achine</i>	
<i>Hesperidae</i>		
Grizzled Skipper	<i>Pyrgus malvae</i>	Scattered records.
Alpine Grizzled Skipper	<i>Pyrgus andromedae</i>	Valparola.
Dingy Skipper	<i>Erynnis tages</i>	Scattered records.
Large Chequered Skipper	<i>Heteropterus morpheus</i>	Cellina.
Chequered Skipper	<i>Carterocephalus palaemon</i>	Cimoliana and Duran.
Essex Skipper	<i>Thymelicus lineola</i>	Dolomiti Friulani and Day 8.
Large Skipper	<i>Ochlodes venatus</i>	Scattered records.