

The Italian Dolomites

For the North American Rock Garden Society
Naturetrek Tour Report

28 June – 5 July 2017



Alpenrose - *Rhododendron ferrugineum*



Alpine Heath on hybrid Fragrant x Dark Vanilla Orchid



Globeflower - *Trollius europeae*



White-winged Snowfinch

Report by Jessica Turner
Images courtesy of Luca Boscain



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Summary

The Dolomites are some of the finest mountains in Europe, where a complex mix of geology and habitat supports a great range of plants amidst stunning scenery. We had some beautiful weather, when we were able to enjoy the mountains and their flowers to the full. This year, the season was particularly well advanced, and some of the species we would expect to see were already mostly over. However, there were still many delights to find, not least the Vanilla Orchids, and the King of the Alps, hugging the boulders of Passo Pordoi and Cimon della Pala. The Society members were also able to compare the flora with their own, and see familiar species in their native habitat. There was also plenty of opportunity to enjoy the ambience of the area, the characteristic styles of buildings and local culture and history.

With the hospitality provided by Stefano, Katia and Genio at the Gran Mugon as warm as ever, with excellent, delicious cuisine, everything contributed to a most enjoyable week, with friendships deepened, new ones made, and the opportunity to relax and share the common interest of Alpines in all their forms.

Day 1

Wednesday 28th June

Meet in Venice, onwards to Tamion

The group members met Jessica and Luca at Venice Marco Polo Airport, most having flown in over the previous days and enjoyed the opportunity to explore this delightful city. Once we had gathered, we moved to the short-term car park where Jessica and Luca had the minibuses. Leaving the airport, we drove north across the plain, on the A27 towards Belluno. The mountain scenery became more impressive as we travelled, but we ran into some heavy thunderstorms, which rather restricted the views. We stopped for a break and refreshments in Agordo town square, where we enjoyed coffee and ice cream, Common Swifts were flying low, and the church bells tolled overhead.

The final leg of our journey took us via Cencenighe, where we turned west to Falcade, over the Passo San Pellegrino and down into the Fassa Valley, with the flowery meadows and verges whetting our appetites for what was to come. We reached the little hamlet of Tamion and the Hotel Gran Mugon, our base for the week, where we received a warm welcome from Katia and Stefano. We were allocated our rooms and, after a break, met to introduce ourselves and for Jessica to outline plans for the following days. We then enjoyed an excellent meal before we retired for some welcome rest.

Day 2

Thursday 29th June

Tamion; Val de Sen Nicolo

The weather forecast for today was not good, and it was grey but not raining when, after a lavish breakfast, we walked from the hotel to explore the meadows and woods round Tamion. Black Redstart and White Wagtail were on roofs of buildings, and Barn Swallows and House Martins were feeding over the fields. We walked up past the tiny church, into the hay meadows, which were still to be cut and full of flowers. We started to get our

eyes in tune for the local plants, which included the dark purple-blue Meadow Clary (*Salvia pratensis*), Dragonmouth (*Horminum pyrenaicum*) with its crinkled leaves and more tubular purple flowers, pink Mountain Sainfoin (*Onobrychis montana*), white Mountain Clover (*Trifolium montanum*) and yellow Hay Rattle (*Rhinanthus minor* agg.). We also found German Gentian (*Gentiana germanica*), Bearded Bellflower (*Campanula barbata*), Scheuchzer's Bellflower (*C. scheuchzeri*), Slender Broomrape (*Orobanche gracilis*), a parasitic plant with its shiny dark red interior to the flowers, and the Alpine Rose (*Rosa pendulina*), with its spine-free stems. Some magnificent Orange Lilies (*Lilium bulbiferum*) looked almost out of place. Good numbers of Fragrant Orchids (*Gymnadenia conopsea* agg.) were in full flower, as were the Round-headed Orchids (*Traunsteinera globosa*), Twayblades (*Neottia ovata*) and a Lesser Butterfly Orchid (*Platanthera bifolia*).

The path entered a pine wood, with Spruce (*Picea abies* subsp. *abies*), Larch (*Larix decidua*) and Scots Pine (*Pinus sylvestris*) where the underlying rocks were sandstone, and the vegetation showed a corresponding change. Here the plants included Juniper (*Juniperus communis*), Bilberry (*Vaccinium myrtillus*), Tormentil (*Potentilla erecta*) and Matted Globularia (*Globularia cordifolia*), although this had finished flowering. Nutcrackers were heard and one briefly seen, and we had good views of Crested Tit. As the path became more open again, we also found Gypsophila (*Gypsophila repens*), Mountain Milk-vetch (*Oxytropis jacquinii*) and, in damper flushes, a few remaining flowers of Bird's-eye Primrose (*Primula farinosa*), plus Common Butterwort (*Pinguicula vulgaris*), Tofield's Asphodel (*Tofieldia calyculata*), and plenty of Common Spotted Orchids (*Dactylorhiza fuchsii*). As we followed the path along the hillside, we found a couple of spikes of Fly Orchid (*Ophrys insectifera*), and Bird's-nest Orchids (*Neottia nidus-avis*) were under some trees.

Eventually we emerged into another meadow full of flowers, including more Fragrant Orchids, Eyebright (*Euphrasia rosikoviana*), German Greenweed (*Genista germanica*), Arnica (*Arnica montana*), Giant Cat's-ear (*Hypochaeris uniflora*) and a spike of the Lousewort *Pedicularis elongata*. We emerged onto another track which led to the road. In a lay-by were some Coralroot Orchids (*Corallorhiza trifida*) which had finished flowering and, sadly, the Lady's Slipper Orchids (*Cypripedium calceolus*) were completely over too. We found a few resting butterflies and moths including Chequered Skipper, Titania's Fritillary and Six-spot Burnet.

We retraced our steps, continuing to enjoy our surroundings and, as the weather was brighter, we had our picnic on the hotel terrace, with a rain shower waiting until we were clearing up. We then drove the short distance to the Val de Sen Nicolo (its Ladin name), also called the Val San Nicolo (the Italian version). We drove up into the valley, the road bordered by a stream, rocks and conifer trees before reaching an open valley of hay meadows dotted with small wooden houses. Having parked, we looked at a partially wooded area, where the Lady's Slipper Orchids were again over, but we noted Alpine Clematis (*Clematis alpina*), Alpine Colt's-foot (*Homogyne alpina*) and our first Dark Vanilla Orchid (*Gymnadenia rbellicani*). We started to walk up the road, again enjoying the flower-filled verges and meadows. Plants included Betony-leaved Rampion (*Phyteuma betonicifolium*), Smooth Honeywort (*Cerinthe glabra*) and Mountain Lentil (*Astragalus penduliflorus*), and a Martagon Lily (*Lilium martagon*) was in full flower.

A smaller track led to areas of pasture where cows were grazing before being brought down for milking, the cowshed being the ground floor of a small farmhouse. The departure of the cows was fortunate for us, as in this area we found both Dark and Austrian Vanilla Orchids (*Gymnadenia rbellicani* and *G. austriaca*), Small White Orchid (*Pseudorchis albida*), Frog Orchid (*Dactylorhiza viridis*), Brown Clover (*Trifolium badium*) and a patch of Snow Gentians (*Gentiana nivalis*). There were more flowering Martagon Lilies and Wolf's-bane (*Aconitum lycoctonum*

subsp. *vulparia*), and we also found a spike of Common Monkshood (*Aconitum napellus*), with dark blue flowers. Marmots were heard, Alpine Swift were seen, and more butterflies included Scarce Copper, Woodland Ringlet, Small Heath and Mazarine Blue. Dark clouds were building as we walked back to the minibuses, but we agreed that we had generally been fortunate with the weather. We returned to the hotel for a delicious dinner before completing our checklists after an excellent first day in the field.

Day 3

Friday 30th June

Passo Pordoi

Today dawned bright with cloud playing over the mountains. After another delicious breakfast, and with our picnics made, we headed north up to the Pordoi Pass (2,239 metres or 7,346 feet), via Canazei, cautiously negotiating the hairpin bends, cyclists and bikers. We parked in the main car park at the top of the pass before taking the footpath, route 601, along the famous 'Bindelweg', mentioned by Farrer, the author, traveller, botanist and flower painter, in his 1913 book 'The Dolomites'. House Martins flew around us, nesting under the eaves of the buildings, and a pair of Snowfinches perched nearby. The geology is rather complex, with this area being basically limestone rock, with areas of acid soil formed by drift and leaching. There was a very cold wind but, fortunately, we were fairly sheltered by the slope.

On the slopes we found Monte Baldo Anemone (*Anemone baldensis*), and the magenta-coloured Alpine Sainfoin (*Hedysarum bedysaroides* subsp. *exaltatum*) was striking and abundant, together with Alpine Milk-vetch, with its delicate white and mauve flowers, and Yellow Milk-vetch (*Oxytropis campestris*), with its cream-coloured flowers. A plant of *Daphne striata* was flowering well, and we found the tiny but striking Red Vanilla Orchid (*Gymnadenia rubra*). Bluish Paederota (*Veronica bonarota*) was cascading from rock crevices, and we found the much smaller Leafless-stemmed Speedwell (*Veronica aphylla*). Dwarf Willows included Net-leaved Willow (*Salix reticulata*), Finely-toothed Willow (*Salix breviserrata*) and the rock-hugging *Salix serpyllifolia*. Other plants included Moss Campion (*Silene acaulis*), Mountain Avens (*Dryas octopetala*), Alpine Bartsia (*Bartsia alpina*), Matted Globularia (*Globularia cordifolia*), Shrubby Milkwort (*Polygala chamaebuxus*), Alpine Rock-rose (*Helianthemum oelandicum* subsp. *alpestre*), Heart-leaved Leopard's-bane (*Doronicum columnae*), and two tiny Erigerons, *Erigeron uniflora* and *E. neglecta*. There were also some fine clumps of Musky Saxifrage (*Saxifraga exarata*), the green form of Dark Stonecrop (*Sedum atratum* subsp. *carinthiacum*) and lime-encrusted patches of *Saxifraga squarrosa* and the very similar Blue Saxifrage (*Saxifraga caesia*), which were mainly still in bud. The beautiful Pink Cinquefoil (*Potentilla nitida*) was just coming out. Marmots were calling and several were seen.

As we reached the shoulder, we found plenty of fluffy seed-headed Yellow Alpine Pasqueflowers (*Anemone alpina* subsp. *apiifolia*), a carpet of Globeflower (*Trollius europaeus*), some magnificent Alpine Leek (*Allium victorialis*), and several plants of Edelweiss (*Leontopodium nivale* subsp. *alpinum*). Although it was rather windy, the views in all directions were stunning, especially of the Marmolada Glacier. After a break in the lee of the ridge, we took a path round the next 'lump' finding, on the north face, our first Gentians. Here we found Bavarian Gentian (*Gentiana bavarica*), Spring Gentians (*Gentiana verna*), a plant of Short-leaved Gentian (*Gentiana brachyphylla*) and Trumpet Gentian (*Gentiana acaulis*). We also added white Blunt-leaved Rock-jasmine (*Androsace obtusifolia*), Carpathian Cat's-foot (*Antennaria carpathica*), and a going-over Alpine Snowbell (*Soldanella alpina*). A boulder held a patch of Purple Saxifrage (*Saxifraga oppositifolia*) with a single good flower, and the remains of Least Primrose (*Primula minima*).

We had hot drinks and ate our sandwiches in the shelter of a rifugio in these magnificent surroundings, before most of the group continued along the Bindelweg path. It was more exposed here, and we were periodically battered by hail showers, but they were short-lived. The slopes to our left were mainly acid grassland, but with Dolomitic Limestone intrusions. We added Southern Butterwort (*Pinguicula leptoceras*), Bog Whortleberry (*Vaccinium uliginosum*) and Rock Speedwell (*Veronica fruticans*) to our growing list. We came to a limestone rocky outcrop just below us and here we found one of the target species for this trip, King of the Alps (*Eritrichium nanum*), with small patches hugging the rock face, along with a variety of saxifrages and other rock-hugging species. In the valley below we saw three Alpine Chamois, including a mother with a young one, and a couple of Mouflon, including a male with very fine curling horns. More Marmots also gave good views. The wind and cold meant most butterflies were resting or only fluttering short distances if disturbed, allowing some good views. Species included Geranium Argus, Blind and Dewy Ringlets, Mazarine and Alpine Blues and an Olive Skipper, while moths included Yellow-banded and a Wood Tiger. Ravens and Alpine Swifts flew overhead and an Alpine Chough came to inspect us, landing very close by.

We re-gathered at the minibuses to drive back to Tamion, where we met up with Betty and Ed who had returned by a different route. As we came back, the heavens opened, and we commented on how fortunate, once again, we had been with the weather. It had been an amazing and spectacular day, but we were ready for showers and a break before another delicious dinner.

Day 4

Saturday 1st July

Passo Sella and below Sella

Today we opted for another day on the tops, visiting the Sella Pass area. We took the route of the previous day through Canazei, but turned off to climb the slightly less bendy road that leads to Sella. We stopped at the top of the pass at 2,240 metres (7,350 feet) above sea level to enjoy the magnificent views. Fresh snow was dusting the peaks, especially round Marmolada, while cloud hung around the top of the Sella massif, giving tantalising glimpses. Patches of Alpenrose (*Rhododendron ferrugineum*) dotted the hillsides with pink, Marmots were calling and seen, and Alpine Chough were flying around with one disappearing through a small door on the side of a building, presumably nesting inside. After a while, we drove over the pass, dropping to the Sassolunga at 2,180 metres, where we parked. Our objective was to explore the slopes and boulders around the area. As we were preparing to set out, we had good views of Northern Wheatear and, soon after, Redpolls in the top of a tree. Most of the plants we had seen elsewhere, but it was a good opportunity to continue to familiarise ourselves with the species. A new plant on a boulder was the small-flowered Italian Rock-rose (*Helianthemum oelandicum* subsp. *italicum*).

We wandered across the turf and dry heath, where there was plenty of Trailing Azalea (*Kalmia procumbens*), but nearly all over; some eventually found a few flowers. We also added Shaggy Hawkweed (*Hieracium villosum*), Alpine Clover (*Trifolium alpinum*) and Creeping Avens (*Geum reptans*) to our list, and enjoyed the Small White and Dark Vanilla Orchids (*Pseudorchis albida* and *Gymnadenia rbellicani*). We searched, unsuccessfully, for the tiny *Chamorchis alpina*, but we did find a hybrid between Fragrant and Dark Vanilla Orchids (*Gymnadenia* × *suaveolens*), showing intermediate characteristics. Marmots were making their presence felt, and provided some amusement, and a Ring Ouzel showed well for some. Butterflies were scarce, but included Dark-veined White, Mazarine Blue, Large Ringlet and Alpine Heath. We walked back to the car park and, as the weather was now rather threatening and cold, most of the group adjourned for hot drinks while we negotiated to have our picnic in the

shelter of the hotel terrace. A shower soon passed, and the weathered brightened again.

We then drove further down the Sassolunga valley, stopping by a quarry site where a waterfall descends over the cliff. Bistort (*Persicaria bistorta*) was flowering where we parked. We walked across the stony screes of the quarry, taking a path used mainly by rock climbers towards the cliff. Amongst the stones we found Saxifrage Catchfly (*Silene saxifraga*), Mossy Sandwort (*Moerhingia muscosa*), Fairy's Thimbles (*Campanula cochlearifolia*) and yellow Alpine (formerly Rhaetian) Poppy (*Papaver alpinum*). Round-leaved Pennycress (*Thlaspi rotundifolium*) was over, as was a clump of Lady's Slipper Orchids which grow here. In more vegetated areas we added Round-leaved Wintergreen (*Pyrola rotundifolia*) to the Common Wintergreen (*Pyrola minor*) we had seen earlier, on Sella. Bright-orange Pinnate-leaved Ragwort (*Senecio abrotanifolius*) was just coming into flower, and we also found the Short-spurred Fragrant Orchid (*Gymnadenia odoratissima*). In the tall vegetation below the cliff, Wolf's-bane (*Aconitum lycoctonum* subsp. *vulparia*) and Martagon Lilies (*Lilium martagon*) were flowering. As we walked back, we had good views of Siskins in a conifer. We then retraced our route back up over Sella and down to the Fassa Valley, and so back to the hotel.

Day 5

Sunday 2nd July

Rosengarten

After a chilly night, we woke to a beautiful morning. We had set a moth trap at the rear of the hotel overnight and the moths included a magnificent Convolvulus Hawk-moth, Great Brocade, Ingrailed Clay, Mottled Beauty and Heart and Dart. A Common Redstart was feeding nearby.

Our destination was the Rosengarten, behind the magnificent crags we could see from the hotel. We drove the short distance into Vigo di Fassa, to catch the Funivia which took us up to the start of our walk, at 2,000 metres above sea level. Our path led gently down through woodland of Larch (*Larix decidua*), Spruce (*Picea abies*) and Arolla Pine (*Pinus cembra*), with the acid soil supporting plenty of Alpenrose (*Rhododendron ferrugineum*), and Cowberry (*Vaccinium vitis-idaea*) flowering amongst the leaves of Bilberry (*Vaccinium myrtillus*) and Bearberry (*Arctostaphylos uva-ursi*). We found good displays of Yellow Wood Violet (*Viola biflora*), plus Nodding Wintergreen (*Orthilia secunda*), One-flowered Wintergreen (*Moneses uniflora*), Stag's-horn and Interrupted Clubmosses (*Lycopodium clavatum* and *L. annotinum*), Mossy Sandwort (*Moerbringia muscosa*), and more of the delicate Leafless-stemmed Speedwell (*Veronica aphylla*). Amongst the shrubs were Blue-berried Honeysuckle (*Lonicera caerulea*) with berries just forming, Alpine Willow (*Salix begetschweileri*), and False Medlar (*Sorbus chamaemespilus*). Nutcrackers, the bird responsible for the spread of Arolla Pine, were calling and seen, with a sizeable group of seven to eight being seen together near Gardeccia, probably a family party.

As we came into a more open area with limestone boulders, Hairy Alpenrose (*Rhododendron hirsutum*) replaced the Alpenrose (*Rhododendron ferrugineum*) and was flowering well, while Mountain Avens (*Dryas octopetala*) still had the occasional flower, and we found a couple of flowers of Alpine Butterwort (*Pinguicula alpina*). The complexity of the geology and soil was indicated by the presence of the two species of *Rhododendron* in such close proximity. *Daphne striata* was mainly over, but we found one piece in flower, tucked under a tree. We eventually reached Gardeccia where we enjoyed our lunch, sitting in the warm sun and taking in the magnificent scenery of the Rosengarten.

Some of the group then opted to gently make their way back to Rifugio Ciampedie, by the Funivia. The rest of

us tackled the steeper, stony track, moving into an area of Dwarf Mountain Pine (*Pinus mugo*) and massive scattered limestone boulders, interspersed with areas of scree. A pair of Redpolls perched on the top of a Dwarf Mountain Pine, and an Alpine Chamois was grazing on the steep slopes above. On the loose stones we found more Alpine Toadflax (*Linaria alpina*) and Alpine (Rhaetian) Poppy, while on the boulders both Blue Saxifrage (*Saxifraga caesia*) and *Saxifraga squarrosa* were coming into flower. Bluish Paederota (*Veronica bonarota*) was flowering well and the Pink Cinquefoil (*Potentilla nitida*) was showing a few flowers among its silvery leaves. We added pale pink Dwarf Valerian (*Valeriana supina*), growing under a boulder, while white Rock Valerian (*Valeriana saxatilis*) was in crevices, as was *Phyteuma sieberi*, with its wide bracts. Edelweiss (*Leontopodium nivale* subsp. *alpinum*) starred the grass, where we also found Beaked Lousewort (*Pedicularis rostratocapitata*). Alpine Chough were circling around. The Rifugio Preuss appeared to teeter on the edge of the cliff above us, and some of the group took the steep and stony path up there, while the rest continues to explore the boulders below. A few butterflies were on the wing, including Dark-veined White, Large and Blind Ringlets and Shepherd's Fritillary. Eventually, we all met back at the Funivia, agreeing that the area was extremely beautiful, and it had been a delightful walk.

Some of the group had expressed a wish to visit the Ladin Museum in Vigo: a small museum dedicated to the Ladin culture and life, past and present, in the Val di Fassa. Jessica dropped folk there, and we met them later. It was a very interesting place, and gave a fascinating insight into local life. The rest returned straight to the hotel, where we all met later to enjoy a special meal of typical Ladin food.

Day 6

Monday 3rd July

Cimon della Pala, Predazzo

Today, on another beautiful morning and with the promise of a fine, settled day, some of the group were out early with Luca, to enjoy the local birds. They had good views of Goldcrest, Nuthatch and Coal Tit, amongst other species.

After breakfast, having made individual picnic lunches, we headed south-east to the dramatic peak of Cimon della Pala. We drove south to the town of Predazzo, where we turned eastwards. We stopped briefly for a break at the Paneveggio Visitor Centre, which has information about the area, before climbing to the Rolle Pass (1,972 metres above sea level). Unfortunately, the promised shuttle bus up to the Baita Segantini was not running, so we had to walk the extra distance. Ed and Betty opted to spend the day around the Passo Rolle, and we arranged to meet them later, while the rest of us parked the vehicles in the car park at the foot of the dusty track leading up to the Baita Segantini at 2,200 metres, and began our walk. The track zigzags up the hillside, but we took a number of shortcuts on grassy paths. Initially, we were walking over acid, sand-and-clay conglomerate, which was reflected in the flora, with familiar species around us. We followed a stream part of the way, and found some Grass-of-Parnassus (*Parnassia palustris*) and Yellow Mountain Saxifrage (*Saxifraga aizoides*) in flower, before we eventually reached the Baita and its small lake. Alpine Newts were in the water, and Luca caught one so we could see its orange belly. After a short break, we continued on the pre-planned walk. Due to the recent hot weather, many of the spring species had finished flowering, but we soon found the leaves of Least Primrose (*Primula minima*), Trailing Azalea (*Kalmia procumbens*) with red seed capsules, and the fluffy seed heads of Yellow Pasqueflowers (*Anemone alpina* subsp. *apiifolia*), and several spikes of Spotted Gentian (*Gentiana punctata*). Looking north, we could see the Austrian mountains gleaming white in the sun. We then moved up into an area of loose rock and open ground where we found plants of Seguier's Buttercup (*Ranunculus seguieri*), with its very divided leaves but, sadly, no flowers, the plants dotted across the bare ground. Moving along the edge, with a dramatic

drop to the valley below, we found Mossy Cyphel (*Minuartia sedoides*), Rhaetian Rampion (*Phyteuma bedraianthifolium*) and Roseroot (*Sedum roseum*). We ate our picnic while enjoying the stunning scenery around us, and watching Alpine Choughs around us and a good number of Chamois on the scree slopes of Cimon.

Our ultimate aim was to reach an area of broken rocks and boulders below the looming cliffs of Cimon della Pala. Here, we soon found one of the specialities: King of the Alps (*Eritrichium nanum*), with several tiny clumps flowering well. Other plants included Alpine Buttercup (*Ranunculus alpestris*) with white flowers but less divided, glossy leaves, Moss Campion (*Silene acaulis*), Pink Lousewort (*Pedicularis rosea*), white Alpine Butterwort (*Pinguicula alpina*) and one Least Snowbell (*Soldanella minima*), with a pink flush to its tiny white flower. We also found fine specimens of Clusius' Gentians (*Gentiana clusii*) on limestone rock, together with Spring Gentian (*Gentiana verna*). By another boulder were the leaves of Chives (*Allium schoenoprasum*) but, sadly, the Dwarf Alpenrose (*Rhodothamnus chamaecistus*) was over.

Having spent plenty of time exploring and enjoying these boulders on the steep slope, we eventually walked back around the valley to the Baita, passing en route Spotted Gentian (*Gentiana punctata*) and Alpine Moon-daisy (*Leucanthemopsis alpina*). We had time to relax and enjoy drinks before starting the walk back down to the main road. On the way down, we stopped to look at some Alpine Broad-leaved Marsh Orchids (*Dactylorhiza alpestris*). Eventually we all arrived back at the car park, and drove back on to the top of the Rolle Pass to collect Ed and Betty, who had had a very enjoyable day, too.

It was then time to drive back to Tamion. However, on the way, we made a stop at a disused quarry just outside Predazzo. This warm and sunny spot hosts a different selection of plants and butterflies, among which we noted the very tall Giant Hog's Fennel (*Peucedanum verticillare*), Alkanet (*Anchusa officinale*), Spiked Bellflower (*Campanula spicata*), Annual Fleabane (*Erigeron annuus*), and Crown Vetch (*Securigera varia*). Dark Red Helleborine (*Epipactis atrorubens*) was magnificent under the shade of trees, while on the rock face we could see Wood Pink (*Dianthus sylvestris*), Mountain Germander (*Teucrium montanum*) and Rock and White Stonecrops (*Sedum rupestre* and *S. album*), the latter being the food plant of the Apollo butterfly. Unfortunately, we did not see that species, but we did see Ringlet and Large and Small Skipper butterflies and Nine-spotted moth. We then returned to the hotel for another excellent meal.

Day 7

Tuesday 4th July

Val Venegia

Today was, for most of us, our last one in the area, and so a number decided that they would like to visit Bolzano for the day, especially to visit the museum which houses Ötzi the Iceman and his associated artefacts. After breakfast, therefore, they walked up the road to the bus stop to take the direct bus to the city. It was a pleasant journey, through some more great scenery, and they all agreed that they had enjoyed a fascinating day out in Bolzano, which was well worth the visit.

The rest of us set out for the Val Venegia, taking the route of the previous morning. Then, as we were passing the Lago Paneveggio, both Luca and Jessica noted Apollo butterflies on the wing, so this morning we stopped on the road to take a closer look. We soon located several of these magnificent butterflies which were mainly flitting along the cliff edge above us, and occasionally coming down past us towards the lake shore. After a stop at the Visitor Centre, instead of climbing the Rolle Pass, we took the Passo Valles road, turning off after a couple

of kilometres into the valley which lies below Cimon della Pala. We drove along the edge of a fast-flowing stream, as the track climbed to the parking area, where we left the minibus. As we walked up the valley, we enjoyed the sounds of all the cow-bells. A damp area held Broad-leaved Marsh Orchid and Alpine Broad-leaved Marsh Orchid (*Dactylorhiza majalis* and *D. alpestris*) and a hybrid swarm of intermediate forms. On the drier slopes there were many spikes of Fragrant Orchid (*Gymnadenia conopsea*), Dark Vanilla Orchid (*G. rhellicani*) and some Frog Orchids (*Dactylorhiza viridis*). On the river gravels we found Field Mouse-ear (*Cerastium arvense* agg.), yellow Alpine (Rhaetian) Poppy (*Papaver alpinum*), clumps of Yellow Mountain Saxifrage (*Saxifraga aizoides*) and Fairy's Thimbles (*Campanula cochlearifolia*). Both Blue Saxifrage (*Saxifraga caesia*) and *S. squarrosa* were also flowering well, and the scenery was, as ever, stunning.

We meandered up the valley, stopping to enjoy our final picnic on the grass further up, in beautiful surroundings. Refreshed, we continued walking. Under the conifers we found spikes of Round-leaved Wintergreen (*Pyrola rotundifolia*), plus the tiny orchid Lesser Twayblade (*Neottia cordata*). We reached an area of scree which was previously being quarried, but all now was wonderfully quiet. Nearby, *Saxifraga sedoides* was growing under a small boulder. Past the scree, a grassy meadow was dotted with very large, well-vegetated rocks, some even bearing trees. In several crevices we could see the leaves of Bear's-ear Primrose (*Primula auricula*), and we eventually found one plant in flower. We found, as well, Alternate-leaved Golden Saxifrage (*Chrtosplenium alternifolium*), Encrusted Saxifrage (*Saxifraga crustata*), some beautiful plants of Pink Cinquefoil (*Potentilla nitida*) with very pale pink flowers, and one flower of Dwarf Alpenrose (*Rhodothamnus chamaecistus*), amongst the other gems on and around the boulders. We walked back down to the Malga Vengiota, where we enjoyed refreshments before returning to the minibus, just as the rain restarted. We retraced our route through Predazzo, stopping in Vigo to do some shopping (in the dry!) before heading back to Tamion for our final evening and delicious dinner.

Day 8

Wednesday 5th July

Tamion to Venice

After a final excellent breakfast, it was time to leave, although Laura and Robert were returning with a hire car to further explore the area. We loaded the minibus, said farewell and thank you to Stefano who, with Katia, Genio and the staff had looked after us so well, and set off south, having a smooth journey. At the airport, we said our farewells as we headed for different flights, with some staying in Venice. We had all enjoyed a great week of stunning scenery and alpine flowers, all enjoyed in good company.

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Species Lists

Plants

Nomenclature contained within this list follows the taxonomic amendments, based on DNA analysis, made by the Royal Botanic Gardens, Kew and the Missouri Botanic Garden, and following The Plant List, an internationally accepted list of vascular plant families, published and maintained by these two Institutions.

Scientific name	Common name	Location (first or best)
PTERIDOPHYTES		
Lycophytes		
Lycopodiaceae		
<i>Lycopodium annotinum</i>	Clubmoss Family Interrupted Clubmoss	Rosengarten
<i>Lycopodium clavatum</i>	Stag's-horn Clubmoss	Rosengarten
Selaginellaceae		
<i>Selaginella selaginoides</i>	Lesser Clubmoss Family Lesser Clubmoss	Tamion
Calamophytes		
Equisetaceae		
<i>Equisetum arvense</i>	Horsetail Family Field Horsetail	Tamion
<i>Equisetum palustre</i>	Marsh Horsetail	Tamion
<i>Equisetum sylvaticum</i>	Wood Horsetail	Val Venegia
Eusporangiate Ferns		
Ophioglossaceae		
<i>Botrychium lunaria</i>	Adder's-tongue Family Moonwort	Tamion
Leptosporangiate Ferns		
Aspleniaceae		
<i>Asplenium adiantum-nigrum</i>	True Ferns Spleenwort family Black Spleenwort	Below Sella
<i>Asplenium ruta-muraria</i>	Wall Rue	Below Sella
<i>Asplenium viride</i>	Green Spleenwort	Passo Pordo
Athyriaceae		
<i>Athyrium alpestre</i>	Lady-fern Family Alpine Lady-fern	Rosengarten
Cystopteraceae		
<i>Cystopteris fragilis</i>	Bladder-fern Family Brittle Bladder-fern	Val de Sen Nicolo
<i>Gymnocarpium dryopteris</i>	Oak Fern	Tamion
<i>Gymnocarpium robertianum</i>	Limestone Fern	Rosengarten
Dryopteridaceae		
<i>Dryopteris affinis</i>	Buckler-fern Family Scaly Male-fern	Tamion
<i>Dryopteris submontana</i>	Rigid Buckler-fern	Rosengarten
GYMNOSPERMS		
Cupressaceae		
<i>Juniperus communis</i>	Juniper Family Common Juniper	Tamion
<i>Juniperus communis</i> var. <i>saxatilis</i>	Dwarf Juniper	Passo Pordo
Pinaceae		
<i>Larix decidua</i>	Pine Family European Larch	Tamion
<i>Picea abies</i> subsp. <i>abies</i>	Spruce	Tamion

Scientific name	Common name	Location (first or best)
<i>Pinus cembra</i>	Arolla Pine	Passo Pordoi
<i>Pinus mugo</i>	Dwarf Mountain Pine	Passo Pordoi
<i>Pinus nigra</i> subsp. <i>nigra</i>	Austrian or Black Pine	Tamion
<i>Pinus sylvestris</i>	Scots Pine	Tamion

ANGIOSPERMS
Eu-dicots

FLOWERING PLANTS
True Dicotyledons

Adoxaceae

Sambucus nigra
Sambucus racemosa

Moschatel Family

Elder
Red-berried Elderberry

Predazzo
Val de Sen Nicolo

Amaranthaceae (Chenopodiaceae)

Chenopodium bonus-henricus

Goosefoot Family

Good King Henry

Tamion

Apiaceae

Anthriscus sylvestris
Athamanta cretensis
Chaerophyllum hirsutum
Heracleum sphondylium
Laserpitium latifolium
Ligusticum mutellina
Ligusticum mutellinoides
Peucedanum ostruthium
Peucedanum verticillare
Pimpinella major

Carrot Family

Cow Parsley
Athamanta
Hairy Chervil
Hogweed
Broad-leaved Sermountain
Alpine Lovage
Unbranched Lovage
Masterwort
Giant Hog's Fennel
Greater Burnet-saxifrage

Tamion
Passo Pordoi
Rosengarten
Tamion
Tamion
Val de Sen Nicolo
Passo Pordoi
Rosengarten
Predazzo
Tamion

Berberidaceae

Berberis vulgaris

Barberry Family

Barberry

Tamion

Betulaceae

Alnus viridis
Betula pendula

Birch Family

Green Alder
Silver Birch

Below Sella
Rosengarten

Boraginaceae

Anchusa officinalis
Cerinthe glabra
Echium vulgare
Eritrichium nanum
Myosotis alpestris

Forget-me-not Family

Alkanet
Smooth Honeywort
Viper's-bugloss
King of the Alps
Alpine Wood Forget-me-not

Predazzo
Val de Sen Nicolo
Predazzo
Passo Pordoi
Val de Sen Nicolo

Brassicaceae

Arabis bellidifolia
Biscutella laevigata
Cardamine amara
Cardamine bellidifolia
Cardamine resedifolia
Draba dubia
Kernera saxatilis
Thlaspi rotundifolium subsp. *rotundifolium*

Cabbage Family

an Alpine Rock-cress
Buckler Mustard
Large Bitter-cress
A Bitter-cress
Mignonette-leaved Bitter-cress
Austrian Whitlow-grass
Kernera
Round-leaved Pennycress

Rosengarten
Val de Sen Nicolo
Passo Pordoi
Rosengarten
Passo Pordoi
Passo Pordoi
Passo Pordoi
Below Sella (over)

Campanulaceae

Campanula barbata

Bellflower Family

Bearded Bellflower

Tamion

Scientific name	Common name	Location (first or best)
<i>Campanula cochleariifolia</i>	Fairy's Thimble	Below Sella
<i>Campanula glomerata</i>	Clustered Bellflower	Tamion
<i>Campanula rotundifolia</i>	Harebell	Val de Sen Nicolo
<i>Campanula scheuchzeri</i>	Scheuchzer's Bellflower	Tamion
<i>Campanula spicata</i>	Spiked Bellflower	Predazzo
<i>Phyteuma betonicifolium</i>	Betony-leaved Rampion	Val de Sen Nicolo
<i>Phyteuma hedraianthifolium</i>	Rhaetian Rampion	Cimon della Pala
<i>Phyteuma hemisphericum</i>	Globe-headed Rampion	Passo Pordoi
<i>Phyteuma orbiculare</i>	Round-headed Rampion	Tamion
<i>Phyteuma sieberi</i>	a Rampion	Passo Pordoi
Caprifoliaceae	Honeysuckle Family	
<i>Dipsacus fullonum</i>	Teasel	Predazzo
<i>Knautia arvensis</i>	Field Scabious	Tamion
<i>Knautia dipsacifolia</i>	Wood Scabious	Passo Sella
<i>Lonicera alpigena</i>	Alpine Honeysuckle	Val de Sen Nicolo
<i>Lonicera caerulea</i>	Blue-berried Honeysuckle	Rosengarten
<i>Scabiosa lucida</i>	Shining Scabious	Tamion
<i>Valeriana dioica</i>	Marsh Valerian	Val Venegia
<i>Valeriana elongata</i>	Elongated Valerian	Val Venegia
<i>Valeriana montana</i>	Mountain Valerian	Tamion
<i>Valeriana saxatilis</i>	Rock Valerian	Below Sella
<i>Valeriana supina</i>	Dwarf Valerian	Rosengarten
<i>Valeriana tripteris</i>	Three-leaved Valerian	Rosengarten
Caryophyllaceae	Pink Family	
<i>Arenaria ciliata</i>	Ciliate-leaved Sandwort	Passo Pordoi
<i>Cerastium arvense</i>	Field Mouse-ear	Val de Sen Nicolo
<i>Cerastium fontanum</i>	Common Mouse-ear	Val de Sen Nicolo
<i>Dianthus superbis</i>	Superb Pink	Val de Sen Nicolo
<i>Dianthus sylvestris</i>	Wood Pink	Predazzo
<i>Gypsophila repens</i>	Alpine Gypsophila	Tamion
<i>Minuartia austriaca</i>	Austrian Sandwort	Passo Pordoi
<i>Minuartia rupestris</i>	Rock Sandwort	Passo Pordoi
<i>Minuartia sedoides</i>	Mossy Cyphel	Passo Pordoi
<i>Minuartia verna</i>	Spring Sandwort	Val de Sen Nicolo
<i>Moehringia ciliata</i>	Creeping Sandwort	Rosengarten
<i>Moehringia muscosa</i>	Mossy Sandwort	Below Sella
<i>Silene acaulis</i>	Moss Campion	Passo Pordoi
<i>Silene dioica</i>	Red Campion	Val de Sen Nicolo
<i>Silene (Lychnis) flos-cuculi</i>	Ragged Robin	Val Venegia
<i>Silene nutans</i>	Nottingham Catchfly	Tamion
<i>Silene pusilla</i>	a Catchfly	Below Sella
<i>Silene rupestris</i>	Rock Catchfly	Val de Sen Nicolo
<i>Silene saxifraga</i>	Tufted Catchfly	Below Sella
<i>Silene vulgaris</i>	Bladder Campion	Tamion
<i>Stellaria graminea</i>	Lesser Stitchwort	Val Venegia
<i>Stellaria media</i>	Common Chickweed	Rosengarten
<i>Stellaria nemorum</i>	Wood Chickweed	Val Venegia
Celastraceae	Spindle Family	
<i>Parnassia palustris</i>	Grass of Parnassus	Cimon della Pala

Scientific name	Common name	Location (first or best)
Cistaceae	Rock-rose Family	
<i>Helianthemum nummularium</i>	Rock-rose	Tamion
<i>Helianthemum oelandicum</i> subsp. <i>alpestris</i>	Alpine Rock-rose	Passo Pordoi
<i>Helianthemum oelandicum</i> subsp. <i>italicum</i>	Italian Rock-rose	Passo Sella
Compositae (Asteraceae)	Daisy Family	
<i>Achillea clavennae</i>	Silvery Milfoil	Passo Pordoi
<i>Achillea millefolium</i>	Yarrow	Tamion
<i>Achillea oxyloba</i>	Alpine Sneezewort	Rosengarten
<i>Antennaria carpathica</i>	Carpathian Cat's-foot	Passo Pordoi
<i>Antennaria dioica</i>	Cat's-foot	Tamion
<i>Arnica montana</i>	Arnica	Tamion
<i>Aster alpinus</i>	Alpine Aster	Tamion
<i>Bellidastrum michelii</i>	False Aster	Tamion
<i>Bupthalmum salicifolium</i>	Yellow Ox-eye	Tamion
<i>Carduus defloratus</i> subsp. <i>carlinifolius</i>	Carlina-leaved Thistle	Tamion
<i>Carduus defloratus</i>	Alpine Thistle	Tamion
<i>Carlina acaulis</i>	Stemless Carlina Thistle	Val de Sen Nicolò
<i>Centaurea nervosa</i>	Plume Knapweed	Tamion
<i>Cirsium eriophorum</i>	Woolly Thistle	Val Venegia
<i>Cirsium erisithales</i>	Yellow Melancholy Thistle	Val de Sen Nicolò
<i>Cirsium heterophyllum</i>	Melancholy Thistle	Val Venegia
<i>Cirsium montanum</i>	Mountain Thistle	Tamion
<i>Cirsium palustre</i>	Marsh Thistle	Val Venegia
<i>Cirsium spinosissimum</i>	Spiniest Thistle	Passo Pordoi
<i>Crepis aurea</i>	Golden Hawk's-beard	Tamion
<i>Doronicum columnae</i>	Heart-leaved Leopard's-bane	Passo Pordoi
<i>Erigeron alpinus</i>	Alpine Fleabane	Val de Sen Nicolò
<i>Erigeron annuus</i>	Annual Fleabane	Predazzo
<i>Erigeron neglectus</i>	Neglected Fleabane	Passo Pordoi
<i>Erigeron uniflorus</i>	One-flowered Fleabane	Passo Pordoi
<i>Hieracium alpinum</i> agg.	Alpine Hawkweed	Passo Pordoi
<i>Hieracium lanatum</i>	Woolly Hawkweed	Passo Pordoi
<i>Hieracium villosum</i>	Shaggy Hawkweed	Passo Sella
<i>Homogyne alpina</i>	Alpine Colt's-foot	Val de Sen Nicolò
<i>Hypochaeris uniflora</i>	Giant Cat's-ear	Tamion
<i>Jacobaea alpina</i> (<i>Senecio cordatus</i>)	Alpine Ragwort	Val Venegia
<i>Jacobaea</i> (<i>Senecio</i>) <i>incana</i>	Grey Alpine Ragwort	Passo Pordoi
<i>Leontopodium nivale</i> subsp. <i>alpinum</i>	Edelweiss	Passo Pordoi
<i>Leucanthemopsis alpina</i>	Alpine Moon Daisy	Cimon della Pala
<i>Leucanthemum vulgare</i>	Ox-eye daisy	Tamion
<i>Petasites alba</i>	White Butterbur	Tamion
<i>Pilosella officinarum</i> agg.	Mouse-eared Hawkweed	Tamion
<i>Scorzonera humilis</i>	Viper's-grass	Passo Pordoi
<i>Senecio abrotanifolius</i>	Pinnate-leaved Ragwort	Below Sella
<i>Senecio nemorensis</i>	Wood Ragwort	Val de Sen Nicolò
<i>Senecio squalidus</i>	Rock Ragwort	Val Venegia
<i>Solidago virgaurea</i>	Goldenrod	Val de Sen Nicolò
<i>Taraxacum</i> agg.	Dandelion	Passo Pordoi
<i>Tephroses longifolia</i> (<i>S. ovirensis</i>)	Southern Ragwort	Val Venegia
<i>Tragopogon dubius</i>	a Goat's-beard	Tamion
<i>Tripleurospermum inodorum</i>	Scentless Mayweed	Predazzo
<i>Tussilago farfara</i>	Colt's-foot	Passo Pordoi

Scientific name	Common name	Location (first or best)
Crassulaceae	Stonecrop Family	
<i>Sedum album</i>	White Stonecrop	Predazzo
<i>Sedum atratum</i> subsp. <i>atratum</i>	Dark Stonecrop	Val de Sen Nicolò
<i>Sedum atratum</i> subsp. <i>carinthiacum</i>	Dark Stonecrop	Passo Pordoi
<i>Sedum roseum</i>	Roseroot	Passo Pordoi
<i>Sedum rupestre</i>	Rock Stonecrop	Predazzo
Ericaceae	Heather Family	
<i>Arctostaphylos uva-ursi</i>	Bearberry	Val de Sen Nicolò
<i>Arctostaphylos alpina</i>	Alpine Bearberry	Rosengarten
<i>Calluna vulgaris</i>	Heather	Tamion
<i>Erica carnea</i>	Spring Heath	Tamion
<i>Kalmia procumbens</i>	Trailing Azalea	Passo Sella
<i>Moneses uniflora</i>	One-flowered Wintergreen	Rosengarten
<i>Orthilia secunda</i>	Nodding Wintergreen	Rosengarten
<i>Pyrola minor</i>	Common Wintergreen	Passo Sella
<i>Pyrola rotundifolia</i>	Round-leaved Wintergreen	Below Sella
<i>Rhododendron ferrugineum</i>	Alpenrose	Passo Sella
<i>Rhododendron hirsutum</i>	Hairy Alpenrose	Tamion
<i>Rhodothamnus chamaecistus</i>	Dwarf Alpenrose	Val Venegia
<i>Vaccinium myrtillus</i>	Bilberry	Tamion
<i>Vaccinium uliginosum</i>	Bog Whortleberry	Passo Pordoi
<i>Vaccinium vitis-idaea</i>	Cowberry	Tamion
Gentianaceae	Gentian Family	
<i>Gentiana acaulis</i>	Trumpet Gentian	Passo Pordoi
<i>Gentiana barvarica</i>	Bavarian Gentian	Passo Pordoi
<i>Gentiana brachyphylla</i> subsp. <i>brachyphylla</i>	Short-leaved Gentian	Passo Pordoi
<i>Gentiana clusii</i>	Clusius's Gentian	Cimon della Pala
<i>Gentiana nivalis</i>	Snow Gentian	Val de Sen Nicolò
<i>Gentiana punctata</i>	Spotted Gentian	Passo Pordoi
<i>Gentiana verna</i>	Spring Gentian	Passo Pordoi
<i>Gentianella germanica</i>	Chiltern or German Gentian	Tamion
Geraniaceae	Crane's-bill Family	
<i>Geranium pratense</i>	Meadow Crane's-bill	Predazzo
<i>Geranium sylvaticum</i>	Wood Crane's-bill	Tamion
Grossulariaceae	Gooseberry Family	
<i>Ribes alpinum</i>	Mountain Currant	Val de Sen Nicolò
Hypericaceae	St. John's-wort Family	
<i>Hypericum perforatum</i>	Perforate St. John's-wort	Val de Sen Nicolò
Lamiaceae	Dead-nettle Family	
<i>Ajuga pyramidalis</i>	Pyramidal Bugle	Passo Pordoi
<i>Clinopodium (Acinos) alpinum</i>	Alpine Basil Thyme	Val de Sen Nicolò
<i>Horminum pyrenaicum</i>	Dragonmouth	Tamion
<i>Lamium album</i>	White Dead-nettle	Val de Sen Nicolò
<i>Origanum vulgare</i>	Oregano	Predazzo
<i>Prunella grandiflora</i>	Large-flowered Self-heal	Val de Sen Nicolò
<i>Prunella vulgaris</i>	Self-heal	Val de Sen Nicolò
<i>Salvia pratensis</i>	Meadow Clary	Tamion

Scientific name	Common name	Location (first or best)
<i>Stachys alopecuroides</i>	Yellow Betony	Tamion
<i>Stachys recta</i>	Perennial Yellow Woundwort	Tamion
<i>Teucrium montanum</i>	Mountain Germander	Predazzo
<i>Thymus polytrichus</i>	Wild Thyme	Tamion
Leguminosae (Fabaceae)	Pea Family	
<i>Anthyllis vulneraria</i> agg.	Kidney-vetch	Val de Sen Nicolo
<i>Astragalus alpinus</i>	Alpine Milk-vetch	Val de Sen Nicolo
<i>Astragalus penduliflorus</i>	Mountain Lentil	Val de Sen Nicolo
<i>Genista germanica</i>	German Greenweed	Tamion
<i>Hedysarum hedysaroides</i> subsp. <i>exaltatum</i>	Alpine Sainfoin	Passo Pordoi
<i>Hippocrepis comosa</i>	Horseshoe Vetch	Tamion
<i>Lathyrus pratensis</i>	Meadow Vetchling	Val de Sen Nicolo
<i>Lathyrus sylvestris</i>	Narrow-leaved Everlasting Pea	Predazzo
<i>Lotus alpinus</i>	Alpine Bird's-foot Trefoil	Passo Pordoi
<i>Lotus corniculatus</i>	Bird's-foot Trefoil	Tamion
<i>Lotus uliginosus</i>	Greater Bird's-foot Trefoil	Predazzo
<i>Onobrychis montana</i>	Mountain Sainfoin	Tamion
<i>Oxytropis campestris</i>	Yellow Milk-vetch	Passo Pordoi
<i>Oxytropis jacquinii</i>	Mountain Milk-vetch	Tamion
<i>Securigera varia</i>	Crown Vetch	Predazzo
<i>Trifolium alpinum</i>	Alpine Clover	Passo Sella
<i>Trifolium badium</i>	Brown Clover	Val de Sen Nicolo
<i>Trifolium montanum</i>	Mountain Clover	Tamion
<i>Trifolium pratense</i> subsp. <i>pratense</i>	Red Clover	Tamion
<i>Trifolium repens</i>	White Clover	Val de Sen Nicolo
<i>Vicia cracca</i>	Tufted Vetch	Val de Sen Nicolo
Lentibulariaceae	Bladderwort Family	
<i>Pinguicula alpina</i>	Alpine Butterwort	Passo Pordoi
<i>Pinguicula leptoceras</i>	Southern Butterwort	Passo Pordoi
<i>Pinguicula vulgaris</i>	Common Butterwort	Tamion
Onagraceae	Willowherb Family	
<i>Chamerion angustifolium</i>	Rosebay Willowherb	Val de Sen Nicolo
<i>Epilobium alpestre</i>	Whorled Willowherb	Val Venegia
Orobanchaceae	Broomrape Family	
<i>Bartsia alpina</i>	Alpine Bartsia	Passo Pordoi
<i>Euphrasia rosikoviana</i>	an Eyebright	Tamion
<i>Euphrasia salisburgensis</i> agg.	Irish Eyebright	Below Sella
<i>Melampyrum sylvaticum</i>	Wood Cow-wheat	Tamion
<i>Orobanche gracilis</i>	Slender Broomrape	Tamion
<i>Pedicularis elongata</i>	a Yellow Lousewort	Val de Sen Nicolo
<i>Pedicularis palustris</i>	Marsh Lousewort	Val Venegia
<i>Pedicularis rosea</i>	Pink Lousewort	Cimon della Pala
<i>Pedicularis rostratocapitata</i>	Beaked Lousewort	Rosengarten
<i>Pedicularis verticillata</i>	Verticillate Lousewort	Val de Sen Nicolo
<i>Rhinanthus minor</i> agg.	Hay Rattle	Tamion
Oxalidaceae	Wood Sorrel Family	
<i>Oxalis acetosella</i>	Wood Sorrel	Rosengarten

Scientific name	Common name	Location (first or best)
Papaveraceae <i>Papaver alpinum</i> (<i>P. aurantiacum</i> , <i>P. rhaeticum</i>)	Poppy Family Rhaetian Poppy	Below Sella
Plantaginaceae <i>Cymbalaria muralis</i> <i>Globularia cordifolia</i> <i>Linaria alpina</i> <i>Plantago media</i> <i>Veronica aphylla</i> <i>Veronica beccabunga</i> <i>Veronica bellidioides</i> <i>Veronica (Paederota) bonarota</i> <i>Veronica chamaedrys</i> <i>Veronica fruticans</i> <i>Veronica fruticulosa</i> <i>Veronica urticifolia</i>	Plantain Family Ivy-leaved Toadflax Matted Globularia Alpine Toadflax Hoary Plantain Leafless-stemmed Speedwell Brooklime Violet Speedwell Bluish Paederota Germander Speedwell Rock Speedwell A pink Speedwell Nettle-leaved Speedwell	Predazzo Passo Pordoi Passo Pordoi Tamion Passo Pordoi Val Venegia Passo Pordoi Passo Pordoi Tamion Passo Pordoi Predazzo Tamion
Plumbaginaceae <i>Armeria alpina</i>	Thrift Family Mountain Thrift	Rosengarten
Polygalaceae <i>Polygala alpestris</i> <i>Polygala chamaebuxus</i> <i>Polygala nicaeensis</i>	Milkwort Family Mountain Milkwort Shrubby Milkwort Nice Milkwort	Passo Pordoi Passo Pordoi Tamion
Polygonaceae <i>Persicaria bistorta</i> <i>Persicaria vivipara</i> <i>Rumex acetosa</i> <i>Rumex alpinus</i> <i>Rumex scutatus</i>	Knotweed Family Bistort Alpine Bistort Sorrel Monk's Rhubarb French Sorrel	Below Sella Tamion Val de Sen Nicolo Passo Pordoi Val de Sen Nicolo
Primulaceae <i>Androsace hausmannii</i> <i>Androsace obtusifolia</i> <i>Primula auricula</i> <i>Primula farinosa</i> <i>Primula minima</i> <i>Primula tyrolensis</i> <i>Primula veris</i> <i>Primula vulgaris</i> <i>Soldanella alpina</i> <i>Soldanella minima</i>	Primrose Family a Rock-jasmine Blunt-leaved Rock-jasmine Bear's-ear Primrose Bird's-eye Primrose Least Primrose Tyrolean Primrose Cowslip Primrose Alpine Snowbell Least Snowbell	Cimon della Pala (over) Passo Pordoi Val Venegia Tamion Passo Pordoi (leaves) Cimon della Pala (leaves) Tamion (over) Val de Sen Nicolo (leaves) Passo Pordoi Cimon della Pala
Ranunculaceae <i>Aconitum lycoctonum</i> subsp. <i>vulparia</i> <i>Aconitum napellus</i> <i>Anemone (Pulsatilla) alpina</i> subsp. <i>apiifolia</i> <i>Anemone (Pulsatilla)</i> sp. <i>Anemone baldensis</i> <i>Aquilegia atrata</i> <i>Caltha palustris</i> <i>Clematis alpina</i>	Buttercup Family Wolf's-bane Common Monk's-hood Yellow Pasqueflower a Pasqueflower Monte Baldo Anemone Dark Columbine Marsh Marigold Alpine Clematis	Val de Sen Nicolo Val de Sen Nicolo Passo Pordoi Val de Sen Nicolo (seedheads) Passo Pordoi Tamion Val Venegia Tamion

Scientific name	Common name	Location (first or best)
<i>Hepatica nobilis</i>	Hepatica	Tamion (leaves)
<i>Ranunculus aconitifolius</i>	Aconite-leaved Buttercup	Val de Sen Nicolò
<i>Ranunculus acris</i>	Meadow Buttercup	Tamion
<i>Ranunculus alpestris</i>	Alpine Buttercup	Cimon della Pala
<i>Ranunculus montanus</i>	Mountain Buttercup	Passo Pordoi
<i>Ranunculus seguieri</i>	Seguier's Buttercup	Cimon della Pala (over)
<i>Thalictrum aquilegifolium</i>	Great Meadow-rue	Rosengarten
<i>Trollius europaeus</i>	Globeflower	Tamion
Rosaceae	Rose Family	
<i>Alchemilla glabra</i>	Smooth Lady's-mantle	Passo Pordoi
<i>Alchemilla</i> spp	Lady's-mantles	Widespread
<i>Aruncus dioicus</i>	Goat's-beard Spirea	Paneveggio
<i>Dryas octopetala</i>	Mountain Avens	Passo Pordoi
<i>Fragaria vesca</i>	Wild Strawberry	Tamion
<i>Geum montanum</i>	Mountain Avens	Passo Pordoi
<i>Geum reptans</i>	Creeping Avens	Passo Sella
<i>Geum rivale</i>	Water Avens	Val de Sen Nicolò
<i>Malus</i> sp.	Apple	Predazzo
<i>Potentilla aurea</i>	Golden Cinquefoil	Passo Sella
<i>Potentilla crantzii</i>	Alpine Cinquefoil	Passo Pordoi
<i>Potentilla erecta</i>	Tormentil	Tamion
<i>Potentilla nitida</i>	Pink Cinquefoil	Passo Pordoi
<i>Rosa canina</i> agg.	Dog Rose	Tamion
<i>Rosa pendulina</i>	Alpine Rose	Rosengarten
<i>Rubus idaeus</i>	Raspberry	Tamion
<i>Rubus saxatilis</i>	Rock Bramble	Tamion
<i>Sanguisorba minor</i> agg.	Salad Burnet	Tamion
<i>Sorbus aucuparia</i>	Rowan	Tamion
<i>Sorbus chamaemespilus</i>	False Medlar	Tamion
Rubiaceae	Bedstraw Family	
<i>Gallium album</i>	Upright Hedge Bedstraw	Tamion
<i>Galium anisophyllum</i>	a Bedstraw	Tamion
<i>Galium megalospermum</i>	Swiss Bedstraw	Passo Pordoi
<i>Galium verum</i>	Ladies Bedstraw	Tamion
Salicaceae	Willow Family	
<i>Populus tremula</i>	Aspen	Val de Sen Nicolò
<i>Salix breviserrata</i>	Finely-toothed Willow	Passo Pordoi
<i>Salix hegetschweileri</i>	Alpine Willow	Tamion
<i>Salix purpurea</i>	Purple Willow	Tamion
<i>Salix reticulata</i>	Net-leaved Willow	Passo Pordoi
<i>Salix serpyllifolia</i>	a Willow	Passo Pordoi
Santalaceae	Sandalwood Family	
<i>Thesium alpinum</i>	Alpine Bastard Toadflax	Tamion
Saxifragaceae	Saxifrage Family	
<i>Chrysothamnium alternifolium</i>	Alternate-leaved Golden Saxifrage	Val Venegia
<i>Saxifraga aizoides</i>	Yellow Mountain Saxifrage	Cimon della Pala
<i>Saxifraga caesia</i>	Blue Saxifrage	Rosengarten
<i>Saxifraga crustata</i>	Encrusted Saxifrage	Val Venegia

Scientific name	Common name	Location (first or best)
<i>Saxifraga exarata</i> subsp. <i>exarata</i>	Musky Saxifrage	Passo Pordoi
<i>Saxifraga oppositifolia</i>	Purple Saxifrage	Passo Pordoi
<i>Saxifraga paniculata</i>	Live-long Saxifrage	Passo Pordoi
<i>Saxifraga rotundifolia</i>	Round-leaved Saxifrage	Rosengarten
<i>Saxifraga sedoides</i>	a Saxifrage	Val Venegia
<i>Saxifraga seguieri</i>	Sequier's Saxifrage	
<i>Saxifraga squarrosa</i>	-	Rosengarten
Scrophulariaceae	Figwort Family	
<i>Scrophularia canina</i> subsp. <i>hoppii</i>	Alpine Figwort	Rosengarten
<i>Verbascum nigrum</i>	Dark Mullein	Predazzo
Thymelaeaceae	Daphne Family	
<i>Daphne mezereum</i>	Mezereon	Val de Sen Nicolo (over)
<i>Daphne striata</i>	a Daphne	Passo Pordoi
Urticaceae	Nettle Family	
<i>Urtica dioica</i>	Common Nettle	Tamion
Violaceae	Violet Family	
<i>Viola biflora</i>	Yellow Wood Violet	Passo Pordoi
	Monocots	
Amaryllidaceae	Daffodil Family	
<i>Allium schoenoprasum</i>	Chives	Cimon della Pala
<i>Allium victorialis</i>	Alpine Leek	Passo Pordoi
Asparagaceae	Asparagus Family	
<i>Maianthemum bifolium</i>	May Lily	Tamion (leaves)
<i>Polygonatum verticillatum</i>	Whorled Solomon's-seal	Rosengarten
Colchicaceae	Autumn Crocus Family	
<i>Colchicum autumnale</i>	Autumn Crocus	Tamion (in seed)
Cyperaceae	Sedge Family	
<i>Carex atrata</i>	Black Alpine Sedge	Passo Sella
<i>Carex firma</i>	Dwarf Pillow Sedge	Rosengarten
<i>Carex nigra</i>	Common Sedge	Tamion
<i>Carex viridula</i> subsp. <i>oedocarpa</i> (<i>C. demissa</i>)	Common Yellow Sedge	Tamion
<i>Eriophorum angustifolium</i>	Common Cotton-grass	Paneveggio
Juncaceae	Rush Family	
<i>Luzula luzuloides</i>	White Wood-rush	Rosengarten
<i>Luzula nivea</i>	Snowy Wood-rush	Tamion
Liliaceae	Lily Family	
<i>Lillium bulbiferum</i> subsp. <i>bulbiferum</i>	Orange Lily	Val de Sen Nicolo
<i>Lillium martagon</i>	Martagon Lily	Val de Sen Nicolo
Melanthiaceae	Herb-Paris Family	
<i>Paris quadrifolia</i>	Herb-Paris	Rosengarten
<i>Veratrum lobelianum</i>	Green False-helleborine	Val de Sen Nicolo

Scientific name	Common name	Location (first or best)
Orchidaceae		
Orchid Family		
<i>Dactylorhiza (Coeloglossum) viridis</i>	Frog Orchid	Val de Sen Nicolò
<i>Corallorhiza trifida</i>	Coralroot Orchid	Tamion (over)
<i>Cypripedium calceolus</i>	Lady's Slipper Orchid	Tamion (over)
<i>Dactylorhiza alpestris</i>	Alpine Broad-leaved Marsh Orchid	Val Venegia
<i>Dactylorhiza fuchsii</i>	Common Spotted Orchid	Tamion
<i>Dactylorhiza majalis</i>	Broad-leaved Marsh Orchid	Val Venegia
<i>Epipactis atrorubens</i>	Dark Red Helleborine	Predazzo
<i>Gymnadenia austriaca</i>	Austrian Vanilla Orchid	Val de Sen Nicolò
<i>Gymnadenia conopsea</i> agg.	Fragrant Orchid	Tamion
<i>Gymnadenia odoratissima</i>	Short-spurred Fragrant Orchid	Below Sella
<i>Gymnadenia rhellicani</i>	Dark Vanilla Orchid	Val de Sen Nicolò
<i>Gymnadenia rubra</i>	Red Vanilla Orchid	Passo Pordoì
<i>Gymnadenia x suaveolens</i> (<i>G. conopsea</i> x <i>rhellicani</i>)	Hybrid Fragrant x Dark Vanilla Orchid	Passo Sella
<i>Neottia cordata</i>	Lesser Twayblade	Val Venegia
<i>Neottia nidus-avis</i>	Bird's-nest Orchid	Tamion
<i>Neottia ovata</i>	Twayblade	Tamion
<i>Ophrys insectifera</i>	Fly Orchid	Tamion
<i>Platanthera bifolia</i>	Lesser Butterfly Orchid	Tamion
<i>Pseudorchis (Gymnadenia) albida</i>	Small White Orchid	Val de Sen Nicolò
<i>Traunsteinera globosa</i>	Round-headed Orchid	Tamion
Poaceae		
Grass Family		
<i>Brachypodium sylvaticum</i>	False Brome	Rosengarten
<i>Briza media</i>	Quaking-grass	Tamion
<i>Dactylis glomerata</i>	Cock's-foot	Tamion
<i>Festuca glauca</i>	Blue Fescue	Val de Sen Nicolò
<i>Phleum alpinum</i>	Alpine Timothy	Passo Pordoì
<i>Phleum pratense</i>	Timothy	Val de Sen Nicolò
<i>Poa bulbosa</i> var. <i>vivipara</i>	Bulbous Meadow-grass	Rosengarten
<i>Sesleria sphaerocephala</i>	-	Passo Pordoì
Tofieldiaceae		
False Asphodel Family		
<i>Tofieldia calyculata</i>	Tofield's Asphodel	Tamion

Birds (✓=recorded but not counted; H = heard only; LO=Leader only)

	Common name	Scientific name	June / July						
			28	29	30	1	2	3	4
1	Mallard	<i>Anas platyrhynchos</i>	✓				☐	✓	☐
2	Pygmy Cormorant	<i>Microcarbo pygmaeus</i>	✓						
3	Common Buzzard	<i>Buteo buteo</i>			☐	✓		☐	☐
4	Yellow-legged Gull	<i>Larus michahellis</i>	✓						
5	Common Wood Pigeon	<i>Columba palumbus</i>	✓						
6	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	✓						☐
7	Alpine Swift	<i>Apus melba</i>		✓	✓				
8	Common Swift	<i>Apus apus</i>	✓			☐	☐	☐	☐
9	Great Spotted Woodpecker	<i>Dendrocopos major</i>		H			H	H	
10	Common Kestrel	<i>Falco tinnunculus</i>			✓	✓		✓	
11	Eurasian Magpie	<i>Pica pica</i>	✓	✓				✓	
12	Spotted Nutcracker	<i>Nucifraga caryocatactes</i>		✓		✓	✓		✓
13	Alpine Chough	<i>Pyrrhocorax graculus</i>			✓	✓	✓	✓	✓
14	Carrion Crow	<i>Corvus corone</i>	✓	✓		✓	✓	✓	✓

	Common name	Scientific name	June / July						
			28	29	30	1	2	3	4
15	Hooded Crow	<i>Corvus cornix</i>	✓						
16	Northern Raven	<i>Corvus corax</i>			✓		H	✓	✓
17	Coal Tit	<i>Periparus ater</i>		H		H	✓	✓	✓
18	European Crested Tit	<i>Lophophanes cristatus</i>		✓		✓	H	H	H
19	Willow Tit	<i>Poecile montanus</i>		H		H			✓
20	Great Tit	<i>Parus major</i>				✓		✓	
21	Barn Swallow	<i>Hirundo rustica</i>	✓	✓		✓		✓	✓
22	Eurasian Crag Martin	<i>Ptyonoprogne rupestris</i>	✓	✓	✓	✓	✓	✓	✓
23	Common House Martin	<i>Delichon urbicum</i>		✓	✓	✓	✓	✓	
24	Long-tailed Tit	<i>Aegithalos caudatus</i>					H	✓	
25	Common Chiffchaff	<i>Phylloscopus collybita</i>		H		✓	H		✓
26	Western Bonelli's Warbler	<i>Phylloscopus bonelli</i>							H
27	Eurasian Blackcap	<i>Sylvia atricapilla</i>		H		H		✓	H
28	Lesser Whitethroat	<i>Sylvia curruca</i>		H			✓		✓
29	Common Firecrest	<i>Regulus ignicapilla</i>						H	
30	Goldcrest	<i>Regulus regulus</i>		H			H	✓	H
31	Eurasian Wren	<i>Troglodytes troglodytes</i>		H		✓	✓		✓
32	Eurasian Nuthatch	<i>Sitta europaea</i>					H	✓	✓
33	Eurasian Treecreeper	<i>Certhia familiaris</i>		H			H	H	H
34	Ring Ouzel	<i>Turdus torquatus alpestris</i>			✓	✓			✓
35	Common Blackbird	<i>Turdus merula</i>	✓	✓		✓	✓	✓	✓
36	Fieldfare	<i>Turdus pilaris</i>		✓	✓	✓		✓	
37	Song Thrush	<i>Turdus philomelos</i>		H			H	✓	
38	Mistle Thrush	<i>Turdus viscivorus</i>		H					✓
39	Spotted Flycatcher	<i>Muscicapa striata</i>		✓		✓	✓		✓
40	European Robin	<i>Erithacus rubecula</i>		H			✓		✓
41	Black Redstart	<i>Phoenicurus ochruros</i>		✓	✓	✓	✓	✓	✓
42	Common Redstart	<i>Phoenicurus phoenicurus</i>					✓	✓	
43	Whinchat	<i>Saxicola rubetra</i>		✓					
44	Northern Wheatear	<i>Oenanthe oenanthe</i>				✓			✓
45	White-throated Dipper	<i>Cinclus cinclus</i>							✓
46	House Sparrow	<i>Passer domesticus</i>		✓					
47	Italian Sparrow	<i>Passer italiae</i>	✓	✓	✓	✓	✓	✓	✓
48	White-winged Snowfinch	<i>Montifringilla nivalis</i>			✓			✓	
49	Dunnock	<i>Prunella modularis</i>		H	H	H	H	H	H
50	Grey Wagtail	<i>Motacilla cinerea</i>		✓					
51	White Wagtail	<i>Motacilla alba</i>		✓		✓	✓	✓	✓
52	Water Pipit	<i>Anthus spinoletta</i>			✓	✓		✓	✓
53	Tree Pipit	<i>Anthus trivialis</i>		✓					
54	Common Chaffinch	<i>Fringilla coelebs</i>	✓	H	✓	H	✓	✓	✓
55	Eurasian Bullfinch	<i>Pyrrhula pyrrhula</i>					H		✓
56	European Greenfinch	<i>Chloris chloris</i>						H	
57	Common Linnet	<i>Linaria cannabina</i>				✓	H	✓	✓
58	Common Redpoll	<i>Acanthis flammea</i>			✓	✓	✓	H	✓
59	Red Crossbill	<i>Loxia curvirostra</i>		H			✓		H
60	European Goldfinch	<i>Carduelis carduelis</i>		✓	H		✓	✓	✓
61	Eurasian Siskin	<i>Spinus spinus</i>		✓		✓			
62	European Serin	<i>Serinus serinus</i>							H

Mammals

1	Roe Deer	<i>Capreolus capreolus</i>			✓				
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	Common name	Scientific name	June / July						
			28	29	30	1	2	3	4
2	Mouflon	<i>Ovis orientalis musimon</i>			✓				
3	Alpine Chamois	<i>Rupicapra rupicapra</i>			✓		✓	✓	
4	Red Squirrel	<i>Sciurus vulgaris</i>						✓	
5	Alpine Marmot	<i>Marmota marmota</i>		H	✓	✓	H	H	✓

Butterflies

1	Apollo	<i>Parnassius apollo</i>						LO	✓
2	Small White	<i>Pieris rapae</i>		✓					
3	Dark-veined (Mountain G-v.) White	<i>Pieris bryoniae</i>				✓	✓		✓
4	Mountain Clouded Yellow	<i>Colias phicomone</i>						✓	✓
5	Scarce Copper	<i>Lycaena virgaureae</i>		✓	✓				
6	Geranium Argus	<i>Eumedonia eumedon</i>			✓				
7	Alpine Blue	<i>Albulina orbitulus</i>			✓			✓	✓

Moths

A Crambid, *Udaea alpinalis*

Slender Scotch Burnet, *Zygaena loti*

Silver-ground Carpet, *Xanthorhoe montanata*

Latticed Heath, *Chaismia clathrata clathrata*

Convolvulus Hawk-moth, *Agrius convolvuli*

Nine-spotted, *Amata phegea*

Ingrailed Clay, *Diarsia mendica*

Burnet Companion, *Euclidia glyphica*

Six-spot Burnet, *Zygaena filipendulae*

Transparent Burnet, *Zygaena purpuralis*

Chimney Sweeper, *Odezia atrata*

Yellow Banded, *Psodos quadrifaria*

Wood Tiger, *Parasemia plantaginis*

Heart and Dart, *Agrotis exclamationis*

Great Brocade, *Euois occulta*

Small Purple-barred, *Phyometra viridaria*

Other Invertebrates

Stonefly, order *Plecoptera*

Honey Bee, *Apis mellifera*

7-Spot Ladybird, *Coccinella 7-punctata*

Crab Spider (Yellow), *Misumena vatia*

Field Cricket, *Gryllus campestris*

a Chafer, *Hoplia argentea*

Leaf Beetle, *Chrysolina coerulans*

Molluscs

Roman Snail, *Helix pomatia*

Reptiles & Amphibians

Alpine Newt, *Triturus alpestris*

Common Toad (Tadpoles), *Bufo bufo*

Common Frog, *Rana temporaria*

Common Lizard, *Zootoca vivipara*



Edelweiss - *Leontopodium nivale* ssp. *alpinum*



Alpine Marmot