The Italian Dolomites

Naturetrek Tour Report

21 - 28 June 2017

For the North American Rock Garden Society



Orange Lily (Lilium bulbiferum)



Edelweiss (Leontopodium nivale subsp. alpinum)



Bluish Paederota (Veronica bonarota)



The Marmolada Glacier from the Sella Pass

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Tour Report The Italian Dolomites

Tour participants

Jessica Turner (leader) with six members of the North American Rock Garden Society

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. Previous good weather had meant 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 King of the Alps, hugging the boulders of Cimon della Pala. The Society members were also able to compare the flora with their own, and see familiar species in their natural habitat. There was also plenty of opportunity to enjoy the ambience of the area, the characteristic styles of buildings and local culture.

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, and the opportunity to relax and share the common interest of Alpines in all their forms.

Day 1

Wednesday 21st June

Flight to Venice; onwards to Tamion

Four group members met Jessica at Venice Marco Polo Airport, having flown in during the morning. Once we had gathered, we moved to the short-term car park where Jessica had the minibus. Leaving the airport, we drove north across the plain, on the A27 towards Belluno. The mountain scenery became more impressive as we travelled, with some stunning afternoon light on the peaks. We stopped for a break and refreshments in Agordo town square, where we enjoyed coffee and ice cream. 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, and met with the remaining two group members who had already arrived. We were allocated our rooms and had an excellent meal, and Jessica outlined plans for the following day. We then retired for some welcome rest.

Day 2

Thursday 22nd June

Tamion; Val di Monzoni

The morning dawned bright so, after an excellent breakfast, we walked from the hotel to explore the meadows and woods round Tamion. 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 Dark Columbine (Aquilegia atrata), German Gentian (Gentiana germanica), Bearded Bellflower (Campanula barbata), Scheuchzer's Bellflower (C. scheuchzer), Slender Broomrape (Orobanche gracilis), with its shiny dark red interior to the flowers, and the Alpine Rose (Rosa pendulina) with its spine-free stems. A magnificent Orange Lily (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).

The path entered a pine wood with Spruce (*Picea 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*) and Matted Globularia (*Globularia cordifolia*). A Nutcracker was heard and briefly seen. As the path became more open again, we also found Alpine Gypsophila (*Gypsophila repens*), Mountain Milk-vetch (*Oxytropis jacquinii*) and, in damper flushes, Bird's-eye Primrose (*Primula farinosa*), 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 several spikes of Fly Orchid (*Ophrys insectifera*). Eventually we emerged into another meadow full of flowers, including more Fragrant Orchids, Eyebright (*Euphrasia roskoviana*), German Greenweed (*Genista germanica*), Giant Cat's-ear (*Hypochaeris uniflora*) and Green False-helleborine (*Veratrum lobelianum*).

We emerged onto another track which led to the road. After a rest on a convenient bench, we took this, finding in a lay-by some slightly passé Coralroot Orchids (*Corallorhiza trifida*) and a beautiful Lesser Butterfly Orchid (*Platanthera bifolia*). We then walked along the road a short distance, and found a large patch of Lady's Slipper Orchids (*Cypripedium calceolus*), most of which were going over, although a large clump in the shade of a Spruce tree was in perfect condition.

We retraced our steps back to the hotel and enjoyed our picnic, including local Val di Fassa cheeses, in partial shade by the church. After a short break, we then gathered to visit the Val di Monzoni. We took the short drive to Pozzo di Fassa, turning up into the Val de Sen Nicolo (also known as the Val San Nicolo) and then the Val di Monzoni where, having negotiated the steep and narrow road, we parked by the Malga di Monzoni. Here the rock is mainly granite and the conditions acidic, reflected in the flora. Along the track we found plenty of Alpenrose (Rhododendron ferrugineum) with beautiful pink flowers, the blue Alpine Clematis (Clematis alpina), Frog Orchid (Dactylorhiza viridis), Yellow Wood Violet (Viola biflora), Mountain Avens (Geum montanum), the lemonyellow form of Alpine Pasque Flower (Anemone alpina subsp. apiifolia), Alpine Coltsfoot (Homogyne alpina) and Green Alder (Alnus viridis). We also found our first gentians: Trumpet Gentian (Gentiana acaulis). In more stony areas we found purple-and-orange Alpine Toadflax (Linaria alpina), Rhaetian Poppy (formerly Papaver aurantiacum, now Papaver alpinum), Roseroot (Sedum rosea), Sedum alpestre, and two saxifrages, Livelong (Saxifraga paniculata) and S. muscoides. Nutcrackers were noisy but elusive.

We would have loved to stay longer, but we retraced our steps, gathering up those who had preferred to enjoy the lower slopes. We enjoyed a cool drink at the Malga, and saw a distant Alpine Chamois on the slopes above, before we returned to the hotel for another delicious meal.

Day 3 Friday 23rd June

Passo Pordoi

Today again dawned fine and sunny. After a delicious breakfast, 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. On the slopes we found Monte Baldo

Anemone (Anemone baldensis) and lemon-yellow Alpine Pasque Flowers. The geology is rather complex, with this area being basically limestone rock, with areas of acid soil formed by drift and leaching. Beautiful gentians were flowering by the path, and we found Clusius's Gentian (Gentiana clusii), a plant of limestone, as well as Spring Gentian (G. verna). The magenta-coloured Alpine Sainfoin (Hedysarum hedysarvides subsp. exaltatum) was striking and abundant, together with Alpine Milk-vetch (Astragalus alpinus), with its delicate white and mauve flowers, and Yellow Milk-vetch (Oxytropis campestris), with its cream-coloured flowers. Daphne striata was flowering well. 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), fine displays of 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), but the lime-encrusted patches of Saxifraga squarrosa were not yet in flower. The beautiful Pink Cinquefoil (Potentilla nitida) was just coming out.

As we reached the shoulder we found plenty of Yellow Alpine Pasque Flowers. Although it was rather windy, the views in all directions were stunning, especially of the Marmolada Glacier. Several Snowfinches were feeding nearby, while Marmots were calling loudly, and we saw a couple on the slopes below us. After a rest in the lee of the ridge, some of the group climbed up to the ski lift, finding more Spring Gentians, white Blunt-leaved Rockjasmine (Androsace obtusifolia) and patches of the golden-yellow Vitaliana (Vitaliana primuliflora, formerly Androsace vitaliana). We also added Bavarian Gentian (Gentiana bavarica), Carpathian Cat's-foot (Antennaria carpathica), and Alpine Snowbell (Soldanella alpina). Dark-veined White, Small Tortoiseshell and Dewy Ringlet butterflies were on the wing. We re-joined the others and walked back down the path, finding a beautiful cascade of Bluish Paederota (Veronica bonarota) on a boulder.

We drove down below the pass to have our picnic in a meadow which we then explored. Alpine Aster (Aster alpinus) and Edelweiss (Leontopodium nivale subsp. alpinum) were growing on a boulder, along with a single Red Vanilla Orchid (Gymnadenia rubra). Elsewhere, we found more Red Vanilla Orchids, Alpine Fleabane (Erigeron alpinus), plus Yellow Pea (Lathyrus laevigatus) with lemon flowers turning orange with age and, in the stream, Marsh Marigold (Caltha palustris). We looked at the Arolla Pine (Pinus cembra) with its needles in groups of five, and the two-needled Dwarf Mountain Pine (Pinus mugo) which covers the higher slopes. We then drove back down the many hairpin bends before turning off to climb through more twists and turns to the Sella Pass, at 2240 metres above sea level. Here, we again enjoyed the magnificent scenery and noted the many Alpine Choughs. After refreshments here, we returned to our hotel in Tamion, where we had another excellent dinner.

Day 4

Saturday 24th June

Rosengarten

We woke to another beautiful day. 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 2000 metres (6,560 feet) above sea level. Enjoying the flowery meadow here, with now familiar plants, we also found a Dark Vanilla Orchid (*Gymnadenia rhellicani*). 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 fine displays of Alpine

Butterwort (*Pinguicula alpina*), the delicate Leafless-stemmed Speedwell (*Veronica aphylla*), Rock Speedwell (*Veronica fruticans*) with its red ring in the centre of each flower, and a solitary spike of Alpine Snowbell (*Soldanella alpina*). Amongst the shrubs were Blue-berried Honeysuckle (*Lonicera caerulea*) with berries just forming, Alpine Willow (*Salix hegetschweileri*), and False Medlar (*Sorbus chamaemespilus*). Nutcrackers, the bird responsible for the spread of Arolla Pine, were calling and seen.

As we came into a more open area with limestone boulders, Hairy Alpenrose (*Rhododendron hirsutum*) replaced the Alpenrose (*Rhododendron ferrugineum*, and was starting to flower, *Daphne striata* was going over, while Mountain Avens (*Dryas octopetala*) was flowering well. The complexity of the geology and soil was indicated by the presence of the two species of Rhododendron in such close proximity. We eventually reached Gardeccia, where we enjoyed a morning coffee or a cold drink, sitting in the shade and taking in the magnificent scenery of the Rosengarten.

After lunch, taken on another rifugio terrace, some of the group opted to remain round the village before gently making their way back to 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. 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 but most of the Pink Cinquefoil (Potentilla nitida) was only showing its silvery leaves. One boulder held some Triglav Gentian (Gentiana terglonensis) with its very sculptural leaves, but the flowers had finished. We added Austrian Sandwort (Minuartia austriaca) and 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, which appeared to teeter on the edge of the cliff above us.

We all met back at the Funivia as thunder was rumbling round the valley. Fortunately we did not get wet, nivale subsp. alpinum although the storm was quite dramatic and continued in the evening. As we enjoyed another delicious meal, we agreed that the area was extremely beautiful and it had been a delightful walk.

Day 5 Sunday 25th June

Vigo di Fassa; Val Sen Nicolo

Today we woke to very different weather, with heavy rain and low cloud. After a leisurely breakfast, we decided 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. After some free time, we gathered for the short journey to Vigo, where Jessica dropped the group. It was a very interesting place, and gave a fascinating insight into local life. Afterwards, we went into the centre of Vigo for lunch in a small restaurant: a traditional building, serving very good, traditional food. While we were there, the rain stopped, the weather brightened, and the sun even appeared so we returned to the hotel for some of the group to prepare for a walk in the Val Sen Nicolo (its Ladin name), also called the Val di 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 started to walk up the road,

enjoying the flower-filled verges and meadows. Betony-leaved Rampion (*Phyteuma betonicifolium*) showed considerable variation in form, and a Martagon Lily (*Lilium martagon*) was in full flower, but out of reach. A smaller track led to areas of pasture where we found both Dark and Austrian Vanilla Orchids (*Gymnadenia rhellicani* and *G. austriaca*), Small White Orchid (*Pseudorchis albida*), Brown Clover (*Trifolium badium*) and a patch of Snow Gentians (*Gentiana nivalis*). There were more Martagon Lilies in flower, and we also found a spike of Common Monkshood (*Aconitum napellus*), with dark blue flowers. We enjoyed the beauty of the mountains after the rain. As we started back, we watched the cows being taken in for milking, the cowshed being the ground floor of a small farmhouse. Before we left the valley we found a beautiful clump of Lady's Slipper Orchids (*Cyprepedium calceolus*, in perfect condition, and easier to see than the earlier ones. We then returned to the hotel, where we enjoyed a special meal of typical Ladin food.

Day 6 Monday 26th June

Cimon della Pala; Passo Valles; Miralago

Today, on another beautiful morning and with the promise of a fine, settled day, 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 Panneveggio Visitor Centre, which has information about the area, before climbing to the Rolle Pass (1,972 metres above sea level). Just over the Pass, we took a dusty track on up to the Baita Segantini at 2,200 metres, to begin our walk. Initially, we were walking over acid, sand-and-clay conglomerate, which was reflected in the flora. 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*), and the fluffy seed heads of Yellow Alpine Pasque Flowers (*Anemone alpina* subsp. *apiifolia*). We found a spike of Spotted Gentian (*Gentiana punctata*), a tall plant with yellow flowers which bear many tiny purple spots. Looking north, we could see the white of distant snowy peaks in the sun. We then moved up into an area of loose rock and open ground where we found the white Seguier's Buttercup (*Ranunculus seguieri*), with its very divided leaves, dotted across the bare ground. Moving along the edge, with a dramatic drop to the valley below, we found Mossy Cyphel (*Minuartia sedoides*) and Roseroot (*Sedum rosea*).

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, magnificent clumps of pink Moss Campion (Silene acaulis), Pink Lousewort (Pedicularis rosea), white Alpine Butterwort (Pinguicula alpina) and Least Snowbell (Soldanella minima), some with a pink flush to their tiny white flowers. We also found fine specimens of Spring and Trumpet Gentians (Gentiana verna and G. acaulis). By another boulder were the leaves of Chives (Allium schoenoprasum) but, sadly, the Dwarf Alpenrose (Rhodothamnus chamaecistus) was over. We stopped for a snack, attracting the attention of an Alpine Chough which came very close, looking for a free handout.

We slowly made our way back to the car park, finding a late-flowering specimen of Long-flowered Primrose (*Primula halleri*) en route. We had a late lunch and enjoyed drinks at the Baita before taking the drive back to the Rolle Pass. By the road, we stopped to look at a bank which held a few remaining flowers of Southern Butterwort (*Pinguicula leptoceras*, with mauve and white flowers, and plenty of Round-headed Orchids (*Traunsteinera globosa*). We then took the road up over the Passo Valles (2,030 metres), with stunning views to the north and east, and also the Passo San Pellegrino (1,920 metres). From the top of the pass we took a track leading to the

Rifugio Miralago, situated by a small but beautiful lake. We stopped here for refreshments and to explore or sit and enjoy the late afternoon sunshine. Among the plants here we found Alpine Clover (*Trifolium alpinum*), Bearded Bellflower (*Campanula barbata*) and Greater Meadow-rue (*Thalictrum aquilegifolium*). We also found some fine displays of Martagon Lilies (*Lilium martagon*) and Wolf's-bane (*Aconitum lycoctonum* subsp. *vulparia*). Eventually, we gathered to return to Tamion, for another excellent meal.

Day 7

Tuesday 27th June

Val Venegia

The weather forecast for our final day in the field was not promising. Overnight rain had left plenty of mist, but it was dry and bright as we set out for the Val Venegia, taking the route of the previous morning. 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, 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). We started to look at them, but the rain came, so we sheltered until the heavy shower had passed. As the sky brightened, we decided to continue our walk, as the mountain peaks appeared and disappeared in cloud. We found Bugle (Ajuga reptans) and Grass-of-Parnassus (Parnassia palustris) flowering well, and clumps of Yellow Mountain Saxifrage (Saxifraga aizoides) in flower in the stream gravels, along with more Alpine Poppy (Papaver alpinum). On limestone boulders both Blue Saxifrage (Saxifraga caesia) and S. squarrosa were in flower. A distant Marmot was seen, then another much closer.

As the weather was bright, we decided to have our final picnic on the grass further up the valley, in beautiful surroundings. Refreshed, and enjoying the unexpectedly fine weather, we continued walking. We found many spikes of Wintergreens under the conifers: Round-leaved (*Pyrola rotundifolia*), Common (*Pyrola minor*), Nodding (*Orthilia secunda*) and One-flowered (*Moneses uniflora*), plus the tiny orchid Lesser Twayblade (*Neottia cordata*). An area of scree was being quarried, with the activity causing much interest in the group. Nearby, *Saxifraga sedoides* was growing under a small boulder. Past the scree, a grassy meadow was dotted with very large, well-vegetated rocks, some bearing trees. In several crevices we could see the leaves of Bear's-ear Primrose (*Primula auricula*) but, sadly, all the flowers were over. We found, however, a beautiful clump of Alpine Fleabane (*Erigeron alpinus*). 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 28th June

Tamion to Venice or Verona

After a final excellent breakfast, it was time to leave. Patsy and Mark had a taxi coming later to take them to Verona. The rest of us 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. Both Ken and Nadine, and Arn and Joyce were extending their stay in Venice, so at Venice airport we said goodbye as they headed for their Water Taxis, and Jessica was meeting the second NARGS tour. We had all enjoyed a great week of stunning scenery and alpine flowers, all enjoyed in good company.

Species List

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

FERNS & ALLIES

Lycophytes ..

Lycopodiaceae Clubmoss Family

Huperzia selagoFir ClubmossRosengartenLycopodium clavatumStag's-horn ClubmossRosengarten

Calamophytes

Equisetaceae Horsetail Family

Equisetum arvense Field Horsetail Tamion

Eusporangiate Ferns

Ophioglossaceae Adder's-tongue Family

Botrychium lunaria Moonwort Val de Sen Nicolo

Leptosporangiate Ferns True Ferns

Aspleniaceae Spleenwort family

Asplenium ruta-murariaWall RuePasso PordoiAsplenium virideGreen SpleenwortPasso Pordoi

Athyriaceae Lady-fern Family

Athyrium alpestris Alpine Lady-fern Monzoni

Cystopteraceae Bladder-fern Family

Cystopteris fragilisBrittle Bladder-fernMonzoniGymnocarpium dryopterisOak FernMonzoniGymnocarpium robertianumLimestone FernVal Venegia

Dryopteridaceae Buckler-fern Family

Dryopteris affinisScaly Male-fernMonzoniDryopteris filix-masMale-fernRosengarten

Polystichum Ionchitis Holly-fern Rosengarten & Val Venegia

GYMNOSPERMS CONIFERS

Cupressaceae Juniper Family

Juniperus communisCommon JuniperTamionJuniperus communis var. saxatilisDwarf JuniperMonzoni

Pinaceae Pine Family

Larix deciduaEuropean LarchTamionPicea abies subsp. abiesSpruceTamion

Pinus cembraArolla PinePasso PordoiPinus mugoDwarf Mountain PinePasso PordoiPinus nigra subsp. nigraAustrian or Black PineTamion

Pinus nigra subsp. nigra Austrian of Black Pine Tamion
Pinus sylvestris Scots Pine Tamion

Scientific name

Common name

Location (first or best)

ANGIOSPERMS Eu-dicots

FLOWERING PLANTS True Dicotyledons

Adoxaceae

Sambucus nigra

Sambucus racemosa

Amaranthaceae (Chenopodiaceae)

Chenopodium bonus-henricus

Apiaceae

Anthriscus sylvestris Chaerophyllum hirsutum

Heracleum sphondylium subsp. pyrenaicum

Laserpitium latifolium Ligusticum mutellina Ligusticum mutellinoides Peucedanum ostruthium

Pimpinella major

Berberidaceae

Berberis vulgaris

Betulaceae

Alnus viridis

Boraginaceae

Cerinthe glabra Eritrichium nanum Myosotis alpestris

Brassicaceae

Arabis caucasica Biscutella laevigata Cardamine amara Cardamine resedifolia Hornungia (Pritzelago) alpina

Kernera saxatilis

Campanulaceae

Campanula barbata
Campanula cochleariifolia
Campanula glomerata
Campanula scheuchzeri
Phyteuma betonicifolium
Phyteuma hemisphericum
Phyteuma orbiculare
Phyteuma sieberi

Caprifoliaceae

Knautia arvensis Lonicera alpigena Lonicera caerulea

Moschatel Family

Elder Roadsides

Red-berried Elderberry Val de Sen Nicolo

Goosefoot Family

Good King Henry Tamion

Carrot Family

Cow Parsley Passo Pordoi Passo Pordoi Hairy Chervil Hogweed Rosengarten **Broad-leaved Sermountain** Tamion (leaves) Alpine Lovage Val Venegia Unbranched Lovage Passo Pordoi Masterwort Rosengarten Greater Burnet-saxifrage **Tamion**

Barberry Family

Barberry Tamion

Birch Family

Green Alder Monzoni

Forget-me-not Family

Smooth Honeywort Val de Sen Nicolo King of the Alps Cimon della Pala Alpine Wood Forget-me-not Monzoni

Cabbage Family

Alpine Rock-cress Monzoni
Buckler Mustard Monzoni
Large Bitter-cress Passo Pordoi
Mignonette-leaved Bitter-cress Monzoni
Chamois Cress Monzoni
Kernera Passo Pordoi

Bellflower Family

Bearded Bellflower Tamion
Fairy's Thimble Rosengarten
Clustered Bellflower Tamion
Scheuchzer's Bellflower Tamion

Betony-leaved Rampion Val de Sen Nicolo Globe-headed Rampion Cimon della Pala

Round-headed Rampion Tamion
a Rampion Rosengarten

Honeysuckle Family

Field Scabious Tamion
Alpine Honeysuckle Rosengarten
Blue-berried Honeysuckle Rosengarten

Scientific name

Common name

Location (first or best)

Scabiosa lucida **Shining Scabious Tamion** Valeriana montana Mountain Valerian **Tamion** Valeriana saxatilis Rock Valerian Passo Pordoi Valeriana supina **Dwarf Valerian** Rosengarten Three-leaved Valerian Monzoni Valeriana tripteris

Caryophyllaceae

Cerastium arvense Cerastium fontanum Dianthus superbus Gypsophila repens Minuartia austriaca Minuartia rupestris Minuartia sedoides Minuartia verna Moehringia ciliata Moehringia muscosa

Silene (Lychnis) flos-cuculi

Silene nutans Silene pusilla Silene rupestris Silene vulgaris Stellaria nemorum

Celastraceae

Silene acaulis

Silene dioica

Silene alpestris

Parnassia palustris

Cistaceae

Helianthemum nummularium Helianthemum oelandicum subsp. alpestris Helianthemum oelandicum subsp. incanum

Compositae (Asteraceae)

Achillea clavennae Achillea millefolium Achillea oxyloba Adenostyles alliariae Antennaria carpathica Antennaria dioica Arnica montana Aster alpinus Bellidastrum michelii

Buphthalmum salicifolium Carduus defloratus subsp.carlinifolius

Carduus defloratus Carlina acaulis Centaurea nervosa Cirsium erisithales Cirsium montanum Cirsium spinosissimum

Pink Family

Field Mouse-ear Monzoni

Common Mouse-ear Cimon della Pala

Superb Pink Miralago Alpine Gypsophila **Tamion** Austrian Sandwort Passo Pordoi **Rock Sandwort** Passo Pordoi Mossy Cyphel Cimon della Pala Passo Pordoi Spring Sandwort Creeping Sandwort Rosengarten Mossy Sandwort Rosengarten Moss Campion Passo Pordoi Alpine Catchfly Val Venegia **Red Campion** Monzoni Ragged Robin **Tamion** Nottingham Catchfly Val Venegia a Catchfly Rosengarten Rock Catchfly Rosengarten **Bladder Campion Tamion** Wood Chickweed Monzoni

Spindle Family

Grass of Parnassus Val Venegia

Rock-rose Family

Rock-rose **Tamion** Passo Pordoi Alpine Rock-rose Tamion Hoary Rock-rose

Daisy Family

Passo Pordoi Silvery Milfoil Yarrow Tamion Alpine Sneezewort Rosengarten **Tamion** Adenostyles Carpathian Cat's-foot Passo Pordoi Cat's-foot **Tamion** Arnica **Tamion**

Alpine Aster Below Passo Pordoi

Tamion False Aster **Tamion** Yellow Ox-eye

Below Passo Pordoi Carline-leaved Thistle

Alpine Thistle **Tamion**

Stemless Carline Thistle Below Passo Pordoi

Plume Knapweed Miralago Yellow Melancholy Thistle **Tamion** Mountain Thistle **Tamion** Passo Pordoi Spiniest Thistle

Scientific name

Crepis aurea

Doronicum columnae Doronicum grandiflorum

Erigeron alpinus
Erigeron neglectus
Erigeron uniflorus
Hieracium alpinum agg
Hieracium lanatum
Homogyne alpina
Hypochaeris uniflora

Jacobaea alpina (Senecio cordatus) Leontopodium nivale subsp. alpinum

Leucanthemopsis alpina Leucanthemum vulgare

Petasites alba

Pilosella officinarum agg. Scorzonera aristata Senecio nemorensis Solidago virgaurea Taraxacum agg Tolpis staticifolia Tussilago farfara

Crassulaceae

Sedum alpestre Sedum annuum

Sedum atratum subsp. atratum

Sedum rosea

Ericaceae

Arctostaphylos uva-ursi Arctostaphylos alpina

Erica carnea
Kalmia procumbens
Moneses uniflora
Orthilia secunda
Pyrola minor
Pyrola rotundifolia

Rhododendron ferrugineum Rhododendron hirsutum Rhodothamnus chamaecistus

Vaccinium myrtillus Vaccinium uliginosum Vaccinium vitis-idaea

Gentianaceae

Gentiana acaulis Gentiana barvarica Gentiana clusii Gentiana nivalis Gentiana punctata Gentiana terglouensis Gentiana verna Gentianella germanica

Common name

Location (first or best)

Golden Hawk's-beard Tamion
Heart-leaved Leopard's-bane Passo Pordoi
Large-flowered Leopard's-bane Monzoni

Alpine Fleabane Below Passo Pordoi
Neglected Fleabane Passo Pordoi
One-flowered Fleabane Passo Pordoi
Alpine Hawkweed Cimon della Pala
Woolly Hawkweed Passo Pordoi (in bud)

Alpine Colt's-foot Monzoni Giant Cat's-ear Tamion

Alpine Ragwort Val Venegia (in bud)
Edelweiss Below Passo Pordoi

Alpine Moon Daisy Monzoni
Ox-eye daisy Tamion
White Butterbur Passo Pordoi
Mouse-eared Hawkweed Tamion

Bearded Viper's-grass
Wood Ragwort
Val Venegia (in bud)
Goldenrod
Rosengarten
Tamion
Tolpis
Rosengarten

Passo Pordoi

Stonecrop Family

Colt's-foot

Alpine Stonecrop Monzoni
Annual Stonecrop Passo Pordoi
Dark Stonecrop Val de Sen Nicolo
Roseroot Cimon della Pala

Heather Family

Bearberry Rosengarten (leaves)
Alpine Bearberry Below Passo Pordoi

Spring Heath Tamion

Trailing Azalea Cimon della Pala

One-flowered Wintergreen Monzoni
Nodding Wintergreen Val Venegia
Common Wintergreen Val Venegia
Round-leaved Wintergreen Val Venegia
Alpenrose Monzoni
Hairy Alpenrose Rosengarten

Dwarf Alpenrose Cimon della Pala (over)

Bilberry Tamion
Bog Whortleberry Monzoni
Cowberry Monzoni

Gentian Family

Trumpet Gentian Monzoni
Bavarian Gentian Passo Pordoi
Clusius's Gentian Passo Pordoi
Snow Gentian Val de Sen Nicolo
Spotted Gentian Cimon della Pala
Triglav Gentian Rosengarten (over)
Spring Gentian Passo Pordoi

Tamion

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Chiltern or German Gentian

Scientific name Common name Location (first or best)

Geraniaceae Crane's-bill Family

Geranium sylvaticum Wood Crane's-bill Tamion

Grossulariaceae Gooseberry Family

Ribes alpinum Mountain Currant Val de Sen Nicolo

Hypericaceae St. John's-wort Family

Hypericum perforatum Perforate St. John's-wort Miralago (in bud)

Lamiaceae Dead-nettle Family

Ajuga pyramidalisPyramidal BugleMonzoniAjuga reptansBugleVal VenegiaClinopodium (Acinos) alpinumAlpine Basil ThymeTamionHorminum pyrenaicumDragonmouthTamion

Lamium album White Dead-nettle Val de Sen Nicolo

Prunella vulgarisSelf-healTamionSalvia pratensisMeadow ClaryTamionStachys alopecurosYellow BetonyTamionThymus polytrichusWild ThymeTamion

Leguminosae (Fabaceae) Pea Family

Anthyllis vulneraria agg.Kidney-vetchTamionAstragalus alpinusAlpine Milk-vetchPasso PordoiGenista germanicaGerman GreenweedTamionHedysarum hedysaroides subsp. exaltatumAlpine SainfoinPasso Pordoi

Hippocrepis comosa
Horseshoe Vetch
Lathyrus laevigatus
Lathyrus pratensis
Hippocrepis comosa
Horseshoe Vetch
Yellow Pea
Passo Pordoi
Val de Sen Nicolo

Alpine Bird's-foot Trefoil Monzoni Lotus alpinus Lotus corniculatus Bird's-foot Trefoil **Tamion** Onobrychis arenaria Small Sainfoin Miralago Onobrychis montana Mountain Sainfoin **Tamion** Passo Pordoi Oxytropis campestris Yellow Milk-vetch Oxytropis jacquinii Mountain Milk-vetch **Tamion**

Trifolium alpinumAlpine CloverMiralagoTrifolium badiumBrown CloverVal de Sen Nicolo

Trifolium montanumMountain CloverTamionTrifolium pratenseRed CloverTamionVicia craccaTufted VetchMiralago

Lentibulariaceae Bladderwort Family

Pinguicula alpinaAlpine ButterwortRosengartenPinguicula leptocerasSouthern ButterwortCimon della Pala

Pinguicula vulgaris Common Butterwort Tamion

Onagraceae Willowherb Family

Epilobium alsinifolium Chickweed Willowherb Val Venegia

Orobanchaceae Broomrape Family

Bartsia alpinaAlpine BartsiaMonzoniEuphrasia roskovianaan EyebrightTamionMelampyrum sylvaticumWood Cow-wheatTamionOrobanche gracilisSlender BroomrapeTamion

Scientific name Common name Location (first or best)

Pedicularis elongata a Yellow Lousewort Tamion

Pedicularis roseaPink LousewortCimon della PalaPedicularis rostratocapitataBeaked LousewortRosengartenPedicularis verticillataVerticillate LousewortMonzoni

Rhinanthus alectorolophus Greater Yellow Rattle Val de Sen Nicolo

Rhinanthus minor agg. Hay Rattle Tamion

Oxalidaceae Wood Sorrel Family

Oxalis acetosella Wood Sorrel Rosengarten

Papaveraceae Poppy Family

Papaver alpinum (P. aurantiacum, P. rhaeticum) Rhaetian Poppy Monzoni

Plantaginaceae Plantain Family

Globularia cordifoliaMatted GlobulariaTamionLinaria alpinaAlpine ToadflaxMonzoniPlantago mediaHoary PlantainTamionVeronica aphyllaLeafless-stemmed SpeedwellPasso Pordoi

Veronica bellidioidesViolet SpeedwellCimon della PalaVeronica (Paederota) bonarotaBluish PaederotaPasso PordoiVeronica chamaedrysGermander SpeedwellRosengartenVeronica fruticansRock SpeedwellRosengartenVeronica officinalisHeath SpeedwellCimon della Pala

Thyme-leaved Speedwell

Cimon della Pala

Veronica urticifolia Nettle-leaved Speedwell Tamion

Plumbaginaceae Thrift Family

Veronica serpyllifolia

Armeria alpina Mountain Thrift Passo Pordoi

Polygalaceae Milkwort Family

Polygala alpestrisMountain MilkwortTamionPolygala chamaebuxusShrubby MilkwortPasso Pordoi

Polygonaceae Knotweed Family

Persicaria viviparaAlpine BistortTamionRumex alpinusMonk's RhubarbPasso PordoiRumex scutatusFrench SorrelMonzoni

Primulaceae Primrose Family

Androsace hausmannii a Rock-jasmine Cimon della Pala (leaves)

Androsace obtusifoliaBlunt-leaved Rock-jasminePasso PordoiPrimula auriculaBear's-ear PrimroseCimon della Pala

Primula farinosa Bird's-eye Primrose Tamion

Primula halleriLong-flowered PrimroseCimon della PalaSoldanella alpinaAlpine SnowbellRosengartenSoldanella minimaLeast SnowbellCimon della Pala

Vitaliana primuliflora (Androsace vitaliana) Vitaliana Passo Pordoi

Ranunculaceae Buttercup Family

Aconitum lycoctonum subsp. vulparia Wolf's-bane Miralago

Aconitum napellus Common Monk's-hood Val de Sen Nicolo

Anemone (Pulsatilla) alpina subsp. apiifolia Yellow Pasqueflower Monzoni

Anemone baldensis Monte Baldo Anemone Passo Pordoi

Scientific name

Aquilegia atrata Caltha palustris

Clematis alpina

Hepatica nobilis

Ranunculus acris

Ranunculus alpestris Ranunculus hybridus Ranunculus montanus Ranunculus seguieri

Thalictrum aquilegifolium

Trollius europaeus

Rosaceae

Alchemilla alpina Alchemilla glabra Alchemilla spp Dryas octopetala Fragaria vesca Geum montanum Geum rivale Potentilla aurea Potentilla crantzii Potentilla erecta

Potentilla nitida Rosa canina agg. Rosa pendulina

Rubus idaeus Rubus saxatilis Sorbus aucuparia

Sorbus chamaemespilus

Rubiaceae

Gallium album

Galium megalospermum

Salicaceae

Salix breviserrata Salix hegetschweileri Salix purpurea Salix reticulata

Salix serpyllifolia

Santalaceae

Thesium alpinum

Saxifragaceae

Saxifraga aizoides Saxifraga caesia

Saxifraga exarata subsp. exarata

Saxigraga muscoides Saxifraga paniculata Saxifraga rotundifolia

Saxifraga sedoides

Common name

Location (first or best)

Dark Columbine **Tamion**

Below Passo Pordoi Marsh Marigold

Alpine Clematis Monzoni

Hepatica Tamion (leaves)

Tamion Meadow Buttercup

Alpine Buttercup Cimon della Pala Passo Pordoi Hybrid Buttercup Mountain Buttercup Passo Pordoi Cimon della Pala Seguier's Buttercup Great Meadow-rue Rosengarten Globeflower **Tamion**

Rose Family

Alpine Lady's-mantle

Smooth Lady's-mantle Rosengarten Lady's-mantles Widespread Mountain Avens Passo Pordoi Wild Strawberry **Tamion** Mountain Avens Monzoni Water Avens Monzoni Golden Cinquefoil Monzoni **Tamion** Alpine Cinquefoil **Tormentil Tamion** Pink Cinquefoil Passo Pordoi Dog Rose **Tamion** Alpine Rose **Tamion** Raspberry Monzoni Rock Bramble **Tamion** Rowan Rosengarten False Medlar Rosengarten

Bedstraw Family

Upright Hedge Bedstraw **Tamion**

Swiss Bedstraw Cimon della Pala

Willow Family

Finely-toothed Willow Passo Pordoi Alpine Willow Tamion Purple Willow **Tamion** Net-leaved Willow Passo Pordoi a Willow Passo Pordoi

Sandalwood Family

Monzoni Alpine Bastard Toadflax

Saxifrage Family

Yellow Mountain Saxifrage Val Venegia Blue Saxifrage Rosengarten Passo Pordoi Musky Saxifrage Monzoni

Live-long Saxifrage Monzoni Round-leaved Saxifrage Rosengarten a Saxifrage Val Venegia

Scientific name Common name Location (first or best) Saxifraga squarrosa Rosengarten **Figwort Family** Scrophulariaceae Scrophularia canina subsp. hoppii French Figwort Rosengarten Dark Mullein Roadsides Verbascum nigrum Verbascum pulverulentum Hoary Mullein Roadsides Thymelaeaceae **Daphne Family** Monzoni (over) Daphne mezereum Mezereon Daphne striata a Daphne Passo Pordoi Urticaceae **Nettle Family** Urtica dioica Common Nettle Monzoni Violaceae **Violet Family** Viola biflora Yellow Wood Violet Monzoni Viola tricolor subsp. subalpina Alpine Heartsease Val de Sen Nicolo Monocots Monocotyledons **Daffodil Family** Amaryllidaceae Allium schoenoprasum Chives Cimon della Pala Passo Pordoi Allium victorialis Alpine Leek Asparagaceae **Asparagus Family** Tamion Maianthemum bifolium May Lily Tamion Paradisea liliastrum St. Bruno's Lily Colchicaceae **Autumn Crocus Family** Colchicum autumnale Autumn Crocus Tamion (in seed) Cyperaceae **Sedge Family** Carex viridula subsp. oedocarpa (C. demissa) Common Yellow Sedge **Tamion** Eriophorum angustifolium Common Cotton-grass Val Venegia Juncaceae **Rush Family** Juncus trifidus Three-leaved Rush Val Venegia Luzula lutea Monzoni Yellow Wood-rush Luzula nivea Snowy Wood-rush Tamion Liliaceae **Lily Family** Lillium bulbiferum subsp. bulbiferum Orange Lily **Tamion** Val de Sen Nicolo Lillium martagon Martagon Lily Melanthiaceae **Herb-Paris Family** Paris quadrifolia Herb-Paris Rosengarten Veratrum lobelianum Green False-helleborine **Tamion** Orchidaceae **Orchid Family** Dactylorhiza (Coeloglossum) viride Frog Orchid Monzoni **Tamion** Corallorhiza trifida **Coralroot Orchid** Cypripedium calceolus Lady's Slipper Orchid Tamion Dactylorhiza alpestris Alpine Broad-leaved Marsh Orchid Val Venegia

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Common Spotted Orchid

Dactylorhiza fuchsii

Tamion

Scientific name Common name Location (first or best) Broad-leaved Marsh Orchid Dactylorhiza majalis Val Venegia Broad-leaved Helleborine Epipactis helleborine **Tamion**

Fragrant Orchid

Tamion

Gymnadenia rhellicani Dark Vanilla Orchid Rosengarten Red Vanilla Orchid Below Passo Pordoi Gymnadenia rubra Neotinea (Orchis) ustulata **Burnt Orchid Tamion** Neottia cordata Lesser Twayblade Val Venegia

Neottia ovata Twayblade **Tamion Tamion** Ophrys insectifera Fly Orchid Lesser Butterfly Orchid Platanthera bifolia **Tamion**

Pseudorchis (Gymnadenia) albida Small White Orchid Val de Sen Nicolo

Traunsteinera globosa Round-headed Orchid **Tamion**

Poaceae **Grass Family**

Briza media Quaking-grass **Tamion**

Festuca vivipara Viviparous Fescue Cimon della Pala

Patzkea (Festuca) paniculata Miralago

Phleum pratense Timothy Val de Sen Nicolo Monzoni

Poa bulbosa var. vivipara **Bulbous Meadow-grass**

Tofieldiaceae False Asphodel Family

Tofield's Asphodel Tofieldia calyculata **Tamion**

Birds

Gymnadenia conopsea agg.

Rock Dove/Feral Pigeon, Columba livia Common Cuckoo, Cuculus canorus Common Swift, Apus apus Eurasian Jay, Garrulus glandarius

Eurasian Magpie, Pica pica Spotted Nutcracker, Nucifraga caryocatactes

Alpine Chough, Pyrrhocorax graculus Carrion Crow, Corvus corone Northern Raven, Corvus corax Barn Swallow. Hirundo rustica

Eurasian Crag Martin, Ptyonoprogne rupestris Common House Martin, Delichon urbicum Common Chiffchaff, Phylloscopus collybita Eurasian Blackcap, Sylvia atricapilla

Common Blackbird, Turdus merula Fieldfare, Turdus pilaris

Song Thrush, Turdus philomelos European Robin, Erithacus rubecula Black Redstart, Phoenicurus ochruros Northern Wheatear, Oenanthe oenanthe

House Sparrow, Passer domesticus Italian Sparrow, Passer italiae White-winged Snowfinch, Montifringilla nivalis Grey Wagtail, Motacilla cinerea

White Wagtail, Motacilla alba Tree Pipit, Anthus trivialis

Common Chaffinch, Fringilla coelebs Common Linnet, Linaria cannabina Common Redpoll, Acanthis flammea European Goldfinch, Carduelis carduelis

Mammals

Alpine Chamois, Rupicapra rupicapra Alpine Marmot, Marmota marmota

Reptiles & Amphibians,

Common Toad Tadpoles, Bufo bufo Common Lizard, Zootoca vivipara

Butterflies

Small White, Pieris rapae Dark-veined (Mountain G-v.) White, Pieris bryoniae

Wood White, Leptidea sinapis
Common Blue, Polyommatus icarus
Small Tortoiseshell, Aglais urticae
Marsh Fritillary, Euphydryas aurinia
Dewy Ringlet, Erebia pandrose
Small Heath, Coenonympha pamphilus
Speckled Wood, Pararge aegeria
Large Skipper, Hesperia comma

Mazarine Blue, Cyaniris semiargus
Red Admiral, Vanessa atalanta
Titania's Fritillary, Clossiana titania
Woodland Ringlet, Erebia medusa
Meadow Brown, Maniola jurtina
Alpine Heath, Coenonympha gardetta
Grizzled Skipper, Pyrgus malvae

Moths

Six-spot Burnet, *Zygaena filipendulae*Chimney Sweeper, *Odezia atrata*Netted Mountain Moth, *Macaria carbonaria*

a Burnet Moth, *Zygaena osterodensis*Latticed Heath, *Chaismia clathrata clathrata*Speckled Yellow, *Pseudopanthera macularia*

Other Invertebrates

a Chafer, Hoplia argentea7-Spot Ladybird, Coccinella 7-punctata

Rose Chafer, Cetonia aurata

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