# Switzerland - Alpine Flowers of the Upper Engadine

Naturetrek Tour Report

7 - 14 July 2019





Androsace alpina









Val Minor

Report & Images by David Tattersfield



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### Day 1

# Sunday 7th July

The British Airways flight from Heathrow arrived an hour late, in Zurich. Once we had assembled, we caught the train to Zurich main station, where we changed to the intercity express. We passed Lake Zurich and the Walensee, meeting the Rhine as it flows into Liectenstein, and then changed to the UNESCO World Heritage Albula railway at Chur. Dramatic scenery and many loops, tunnels and bridges followed, as we made our way through the Alps. After passing through the long Preda tunnel, we entered the Engadine and made a third change, at Samedan, for the short ride to Pontresina. We were picked up by the hotel minibus and arrived at the hotel around 9.00 pm. After a delicious evening meal, we briefly talked over the plans for the week and retired for much-needed sleep.

Day 2 Monday 8th July

After a 20-minute walk from the hotel, we caught the 9.07am train, at Surovas. We had a scenic introduction to the geography of the region, as we travelled south along the length of Val Bernina, crossing the watershed, beside Lago Bianco, and alighting at Alp Grum. We worked our way slowly up the slope, above the station, finding lots of interesting plants, along the way. Among them, the flamboyant Large Pink Dianthus superbus was growing on a damp cliff, across the platform, along with the insectivorous Southern Butterwort Pinguicula leptoceras. We found the large leaves and pale-yellow flowers of Alpine Leek Allium victorialis, huge yellow flowers of Giant Cat's-ear Hypochaeris uniflora, blue Wood Crane's-bill Geranium sylvaticum and Bearded Bellflower Campanula barbata. Our first orchids included Small-white Orchid Pseudorchis albida, Alpine Vanilla Orchid Gymnadenia rhellicani, the sweetly perfumed Fragrant-orchid Gymnadenia conopsea, Frog Orchid Dactylorhiza viridis and many examples of Heath Spotted-orchid Dactylorhiza maculata subsp. maculata.

Over coffee, at the Belvedere, we enjoyed the wonderful views down the Poschiavo Valley, to the south, and the Palu glacier, above us. Walking down through the forest, we saw Martagon Lily *Lilium martagon*, Southern Lungwort *Pulmonaria australis*, Whorled Solomon's-seal *Polygonatum verticillatum*, deep-blue Monk's-hood *Aconitum napellus* agg. and Yellow Melancholy Thistle *Cirsium erisithales*. We stopped for lunch, around 12.30pm, on a grassy bank beside the railway line.

As we continued down through the forest, we found showy plants of Large-flowered Foxglove Digitalis grandiflora and Carthusian Pink Dianthus carthusianorum subsp. vaginatus and butterflies included Heath Fritillary, Duke of Burgundy and Black-veined White. Under the conifers, we encountered colonies of One-flowered Wintergreen Moneses uniflora and the parasitic Coralroot Orchid Corallorhiza trifida, both familiar plants in the conifer forests of northern Europe. We emerged in the delightful old village of Cavaglia, where fine specimens of pale-lemon Wolf's-bane Aconitum lycoctonum subsp. vulparia were growing on the riverbank. Beyond the railway station, we did a circular walk around the Gletschergarten, where we saw a series of amazing potholes and other erosion-features, carved under the ice by the Palu Glacier, during the last glaciation. Special plants in the woodland were Chickweed Wintergreen Lysimachia europaea and the unusual lily-relative Streptopus amplexifolius, with small, yellowish, pendant flowers, on bent pedicels, hidden beneath its leaves. River gravels often provide colonisation opportunities for plants, normally found much higher upstream, and here we found fine plants of Yellow

Mountain Saxifrage Saxifraga aizoides and Alpine Gypsophila Gypsophila repens. We returned to the station to catch the 4.56pm train, back to Surovas and were at the hotel, just after 6.00pm.

### Day 3

# **Tuesday 9th July**

We took the train, as far as Bernina Lagalb, where we shared out the provisions for our picnic. We only had only to walk a few metres, before finding interesting new plants. On a bank was Swiss Clubmoss Selaginella belvetica and, by the track, a superb plant of the bright-yellow Mountain Lentil Astragalus penduliflorus and groups of electric-blue Snow Gentian Gentiana nivalis. We crossed the road into Val Minor, where we found a rich flora, influenced by the limestones of Piz Alv. There were colourful displays of Large-flowered Common Rockrose, Helianthemum nummularium subsp. grandiflorum and Alpine Rockrose Helianthemum oelandicum subsp. alpestre. Among the rocks were Chamois Ragwort Senecio doronicum, Striped Daphne Daphne striata, with scented pink flowers, Mezereon Daphne mezereum, already in seed, and dark-blue Jacob's-ladder Polemonium caeruleum. The turf was dotted with many flowers of Frog Orchid Dactylorhiza viridis, the dark-purple Gymnadenia rhellicani and the Red Vanilla Orchid Gymnadenia miniata. Flowers of Golden Hawk's-beard Crepis aurea were attracting attention from Swallowtail butterflies and the vivid-orange Shepherd's Fritillary. Splendid spires of Lilium martagon were growing among mounds of Common Juniper Juniperus communis var. saxatilis and the purple flowers and crinkled leaves of Dragon-mouth Horminum pyrenaicum occupied a neighbouring gully.

Seeing this amazing diversity had taken time, so we quickened our pace up the valley and stopped for lunch beside the first lake. Among the boulders were bold clumps of Spotted Gentian *Gentiana punctata*, intensely-blue mats of Spring Gentian *Gentiana verna*, pink Alpine Rock-jasmine *Androsace alpina* and large clumps of the striking Broad-leaved Primrose *Primula latifolia*. Around the largest of the lakes, Lej Minor, the wet turf was enlivened by myriads of Dwarf Snowbell *Soldanella pusilla* and Entire-leaved Primrose *Primula integrifolia*.

After a short, steep climb, we reached a distinct band of metamorphosed limestone, possibly Triassic dolomite, which supported a very interesting flora. The dominant plants were a particularly hairy form of Net-leaved Willow Salix reticulata, Retuse-leaved Willow Salix retusa and Mountain Avens Dryas octopetala, along with tight silvery hummocks of Blue Saxifrage Saxifraga caesia and Alpine Butterwort Pinguicula alpina. Over the top of the pass, we followed a broad trail down to the Bernina Pass, where we had time for a quick cup of coffee, before catching our train, at Ospizio Bernina.

### Day 4

# Wednesday 10th July

It proved to be the perfect day for going high. We took the Diavolezza cable-car and climbed swiftly to the viewpoint at 2,940 metres. The vista that greeted us was breathtaking. A panorama of peaks, from Piz Palu to Piz Morteratsch stood out against a deep blue sky and, below us, stretched the sinuous, moraine-streaked Pers Glacier, flowing from the ice-fields below Piz Palu. In the crystal clear air, every feature of the landscape was visible, in sharp detail. Not surprisingly, it was only a few degrees above zero and a stiff northerly wind made it feel much colder. Along the ridge, we soon found stunning plants of *Primula latifolia*, Mossy Saxifrage *Saxifraga bryoides*, and numerous mounds of Glacier Crowfoot Ranunculus glacialis, all at their peak of flowering. This harsh environment was the realm of truly high-alpine plants, physiologically adapted to a short growing season, high levels of insolation and low temperatures. Among the shattered rocks were the deep-purple flowers of Kerner's Lousewort *Pedicularis kerneri*, dark blue Orbiculate-leaved Gentian *Gentiana orbicularis* and, crammed into tight

crevices, the tiny Globularia-leaved Rampion *Phyteuma globulariifolium*. The alpine sedge *Carex curvula* was common, as was the distinctive Two-lined Moor-grass *Oreochloa disticha* and almost every rock surface had a covering of colourful lichens. We followed the ridge for some distance and on one particular cliff found exquisite, blue patches of King-of-the-Alps *Eritrichium nanum*, pink *Androsace alpina* and the silver-leaves of Yellow Genipi *Artemisia umbelliformis*.

We returned on the cable-car and crossed the road to the lower part of Val da Fain, for our picnic. Around us, the springs and wet flushes contained a fascinating range of locally uncommon plants, including Flecked Marsh-orchid *Dactylorhiza incarnata* subsp. *cruenta*, Marsh Lousewort *Pedicularis palustris* and the inconspicuous Marsh Arrowgrass *Triglochin palustris*. Higher up the slope, we found Early-purple Orchid *Orchis mascula* and Whorled Lousewort *Pedicularis verticillata*, while, in the mire, were the sombre Beakless Red Lousewort *Pedicularis recutita* and the deep-blue Bavarian Gentian *Gentiana bavarica*.

On and around a chaos of fallen boulders, below Piz Alv, we found a botanical paradise. Dwarf shrubs included many dwarf willows, Mountain Avens *Dryas octopetala*, Bearberry *Arctostaphylos uva-ursi*, Alpine Bearberry *Arctous alpina*, *Cotoneaster integerrima* and *Clematis alpina*, while in the turf, was the orange-flowered Pinnate-leaved Ragwort *Jacobaea abrotanifolia*. There were bold clumps of Martagon Lily and Jacob's-ladder, but pride of place went to large groups of Alpine Aquilegia *Aquilegia alpina*, with stunning blooms of blue, bicoloured flowers. We were able to compare the huge pleated leaves and flowers of Great Yellow Gentian *Gentiana lutea* and White False-helleborine *Veratrum album* and found several plants of *Gentiana ×charpentieri*, the hybrid between *Gentiana lutea* and *Gentiana punctata*. The latter was growing, plentifully, a little further down the hillside, on more acidic soils.

Before catching our return train at Bernina Suot, we continued our explorations as far as the limestone screes, which run down from the mountain summit. In this more open habitat, *Saxifraga caesia* and Round-leaved Wintergreen *Pyrola rotundifolia* were common and we found a number of plants of the tiny Dwarf Orchid *Chamorchis alpina*.

### Day 5

# **Thursday 11th July**

For a change, we caught the 9.17am bus and travelled through St Moritz and Silvaplana to Surlej. We rode the cable-car, high above the treetops to the intermediate station, at Murtel and then continued on a further cable-car to the top station at 3,300 metres, where, despite a complete cover of high cloud, we had views of Alpine peaks, in all directions. Even at this high altitude, Austrian Whitlowgrass *Draba dubia* and Bald White Whitlowgrass *Draba fladnizensis* were flowering in cracks in the concrete.

Returning to Murtel, we followed a broad track across the moraines to Fuorcla Surlej. New plants, for us, included the yellow-flowered Seguier's Saxifrage Saxifraga seguieri, Scree Saxifrage Saxifraga androsacea, Purple Saxifraga Saxifraga oppositifolia and the tiny pale-blue Arabis caerulea. Creeping Avens Geum reptans was in full flower and there were colourful patches of Soldanella pusilla and Primula integrifolia, beautiful large plants of Primula latifolia and colonies of the delicate Snowdon Lily Gagea serotina.

At Fuorcla Surlej, we enjoyed our lunch, overlooking the panorama of snowy peaks and ice-fields at the head of Val Roseg. On our long descent into the valley, the scenery was breathtaking and there was a gradual change in the flora, as we lost altitude. It was nice to find the pink-flowered Hairy Stonecrop *Sedum villosum*, in a wet flush,

a plant familiar to botanists in northern Britain, but a rarity in Switzerland. Eventually we emerged from the forest at the Roseg Hotel and enjoyed welcome refreshments before the seven kilometre walk, back to our hotel. It was a pleasant stroll through an enchanting forest of lichen-festooned Arolla Pine *Pinus cembra*, where the highlights were the extensive colonies of Twinflower *Linnaea borealis* and May Lily *Maianthemum bifolium*, covering mossy banks and boulders. We were back quite late for dinner, but it had been another memorable day.

Day 6 Friday 12th July

We were back on the train, in the morning, and got off, one station up the line, at Morteratsch. We set off to explore the succession of plants that had colonised the valley, as the ice had retreated. In the late 1800's the glacier almost reached the railway station, but today, we had over four kilometres to walk, to reach the melting ice. In the forest, that had established, since then, we found large colonies of Lesser Wintergreen *Pyrola minor*. Beyond the trees, the attractive Fleischer's Willowherb *Epilobium fleischeri* was flowering, on the moraines, among a colourful tapestry of Cobweb Houseleek *Sempervivum arachnoideum* and a variety of Hawkweeds, Saxifrages and Bellflowers. The large grey leaves and fluffy pink flowers of White-leaved Adenostyles *Adenostyles leucophylla*, looked particularly striking, along the edges of the streams.

We were able to get very close to the snout of the much diminished glacier and were awe-struck by the scale of the boulder-strewn ice cliffs and the regular fall of rocks into the torrents of melt-water. We returned to Morteratsch and had lunch under the trees, behind the station platform. In the afternoon, most of us took the train to Ospizio Bernina. We arrived in a heavy shower and found refuge in the café, donning all our weather gear, in preparation for our walk. Fortunately, that was all in vain, as half an hour later the rain stopped. We followed the railway-line, along the shore of the White Lake, where the ice-smoothed bedrock, bore testimony to the great depth of ice that had flowed south, from the Alpine ice-cap. There were many colourful plants to see, as we walked, the most notable being the compact tufts of the endemic Rhaetian Rampion *Phyteuma bedraianthifolium*, on the cliffs, and the lovely yellow Rhaetic Poppy *Papaver aurantiacum*. Below the dam, we descended into the forest and emerged at the Belvedere, where the sun was shining. It was just a short distance down to Alp Grum, where we caught the train.

### Day 7

# Saturday 13th July

For our final full day, we caught the bus at 9.18am from Pontresina to St. Moritz. We took the funicular, in two stages, to Corviglia and then the cable-car to Piz Nair. It was cloudy and breezy with a temperature of 3°C, so we lingered in the warmth of the restaurant for a while. We walked a little way down the slope to a small knoll, made up of a brecciated limestone. We found an array of colourful alpine plants, poking through remaining patches of the snow that had fallen overnight, including *Eritrichium nanum*, Short-leaved Gentian *Gentiana brachyphylla*, White Musky Saxifrage *Saxifraga exarata* subsp. *exarata*, Glacier Cinquefoil *Potentilla frigida* and *Androsace alpina*. Interestingly, this assemblage was confined to this small area, no doubt due to a combination of its stability and particular chemistry. Beyond here, the shaly slopes had few plants, apart from the usual mounds of *Ranunculus glacialis*.

We returned to Corviglia, on the cable-car, and walked a little way down the mountainside to find a sheltered spot for lunch, looking across the lakes of the Upper Engadine and alongside the rather daunting downhill cycle track. We continued down the mountain, through an area of most unusual topography. I have Dan to thank for

working out that the main rock was gypsum. There were many knolls of almost bare, friable rock, surrounding deep swallow-holes, creating a lunar-like landscape. An astonishing diversity of flowers included Edelweiss Leontopodium nivale subsp. alpinum, Saxifraga caesia, Alpine Sainfoin Hedysarum hedysaroides and Southern Milk-vetch Astragalus australis. The sink-holes were lined with Salix reticulata, Salix retusa and Dryas octopetala with small patches of Chamorchis alpina and the rare Smooth Honeywort Cerinthe glabra. Around their edges there were many Fragrant-orchid and hundreds of Short-spurred Fragrant-orchid Gymnadenia odoratissima. Further on, we found Lesser Butterfly-orchid Platanthera bifolia, and both Lesser and Round-leaved Wintergreen.

Beyond the railway, the wet meadows had abundant Broad-leaved Marsh-orchids *Dacylorhiza majalis* and, just before a final forested section, we found our last orchid, the distinctive Round-headed Orchid *Traunsteinera globosa*. From Chantarella, we took the funicular back to St Moritz, and finished the day with drinks and ice creams, in the square. It had been a day of amazing contrasts and we had seen some of the best flora in the region.

### Day 8

# Sunday 14th July

As our flight was scheduled for late in the afternoon, we had most of the morning to fill, so after breakfast, we caught the bus to Punt Muragl and had a thrilling ride on the old funicular railway to Muottas Muragl. We spent an hour or more, simply enjoying the superb views over the Upper Engadine, and could see many of the places we had visited during the week. Back at the hotel, with, still, a little time to spare we made a short walk into the forest to see Orange Lily *Lilium bulbiferum* subsp. *croceum* and the rare Oblong Woodsia *Woodsia ilvensis*. We thanked the hotel staff for their hard work and hospitality, before our transfer to the station and the scenic journey back to Zurich.

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### **Species Lists**

Selaginellaceae

Selaginella helvetica

Selaginella selaginoides

Plants (‡ = cultivated or naturalised)

**Latin Name Common Name Notes PTERIDOPHYTES FERNS AND FERN ALLIES Aspleniaceae Spleenwort Family** Walls Asplenium ruta-muraria Wall-rue Asplenium septentrionale Forked Spleenwort Rare on rocks Maidenhair Spleenwort Walls and cliffs Asplenium trichomanes Asplenium viride Green Spleenwort Damp mountain rocks **Athyriaceae** Lady-fern Family Athyrium distentifolium Alpine Lady-fern Mountain rocks Athyrium filix-femina Lady-fern Occasional Cystopteridaceae **Bladder-fern Family** Brittle Bladder-fern Frequent on rocks Cystopteris fragilis Oak Fern Gymnocarpium dryopteris Woods. Local Gymnocarpium robertianum Limestone Fern Calcareous scree Dennstaedtiaceae **Bracken Family** Pteridium aquilinum Bracken Valley wooodland Dryopteridaceae **Buckler-fern Family** Narrow Buckler-fern Dryopteris carthusiana Damp scrub Dryopteris dilatata Broad Buckler-fern Frequent Male-fern Widespread Dryopteris filix-mas Holly-fern Mountain rocks Polystichum Ionchitis **Equisetaceae Horsetail Family** Equisetum hyemale Rough Horsetail Limestone turf. Val da Fain Equisetum palustre Marsh Horsetail Wet pasture Woods and wet pasture Equisetum sylvaticum Wood Horsetail Equisetum variegatum Variegated Horsetail Wet flushes **Clubmoss Family** Lycopodiaceae Diphasiastrum alpinum Alpine Clubmoss Occasional. Mountain turf Huperzia selago Fir Clubmoss Frequent. Acidic pasture Lycopodium annotinum Interrupted Clubmoss Rare. Forest. Alp Grum Adder's-tongue Family **Ophioglossaceae** Botrychium Iunaria Moonwort Common in short turf Polypodiaceae **Polypody Family** Polypodium vulgare Common Polypody Occasional on rocks Pteridaceae Maidenhair Fern Family Cryptogramma crispa Parsley Fern Acidic rocks and screes

**Lesser Clubmoss Family** 

Mountain turf. Bernina Lagalb

Frequent in turf

Swiss Clubmoss

Lesser Clubmoss

Thelypteridaceae **Marsh Fern Family** 

Woods. Occasional Beech Fern Phegopteris connectilis

Woodsiaceae **Cliff Fern Family** 

Woodsia ilvensis Oblong Woodsia Rare on scree

**GYMNOSPERMS CONIFERS** 

Cupressaceae **Juniper Family** 

Juniperus communis var. saxatilis Common Juniper Common

**Pinaceae Pine Family** 

Occasional in forests Abies alba European Silver-fir

Larix decidua Larch Occasional

Picea abies Common in northern valleys Norway Spruce

Pinus cembra Arolla Pine Forests Pinus mugo **Dwarf Mountain-pine** Cavaglia

Pinus sylvestris Scots Pine Common in northern valleys

**ANGIOSPERMS** FLOWERING PLANTS

**DICOTYLEDONS** 

**Amaranthaceae Goosefoot Family** 

Blitum bonus-henricus Good-King-Henry Frequent weed

**Apiaceae Carrot Family** 

Waste places Aegopodium podagraria Ground Elder

Angelica sylvestris Wild Angelica Occasional. Lower valleys

Anthriscus sylvestris Cow Parsley Common ruderal

Astrantia minor Lesser Astrantia Common

Locally common Bupleurum stellatum Starry Hare's-ear

Carum carvi Caraway Tracksides Golden Chervil Pontresina Chaerophyllum aureum

Woods Chaerophyllum hirsutum Hairy Chervil Chaerophyllum villarsii Villars' Chervil Woods Heracleum sphondylium Hogweed Common Laserpitium gaudinii Gaudin's Sermountain Rocky places

Laserpitium halleri Haller's Sermountain Rocky places Laserpitium latifolium **Broad-leaved Sermountain** Common

Ligusticum mutellina Alpine Lovage Mountain pasture

Ligusticum mutellinoides Unbranched Lovage High mountain pasture Peucedanum ostruthium Masterwort Common Meadows

Pimpinella major Greater Burnet-saxifrage Pimpinella saxifraga Meadows Burnet-saxifrage

**Araliaceae Ivy Family** 

Hedera helix lvy Occasional in woods

**Daisy Family Asteraceae** 

Adenostyles alliariae Adenostyles Val Roseg

Adenostyles leucophylla White-leaved Adenostyles River gravels. Morteratsch Achillea atrata Dark-stemmed Sneezewort Rocky places on limestone

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#### **Latin Name Common Name Notes** Achillea erba-rotta subsp. moschata Musk Milfoil Rocky places on acidic soils Achillea macrophylla Large-leaved Sneezewort Occasional Achillea millefolium Yarrow Frequent Achillea nana **Dwarf Milfoil** Screes Carpathian Cat's-foot Mountain turf Antennaria carpatica Antennaria dioica Cat's-foot Common Arnica montana Arnica Common Artemisia genipi Black Genipi Screes Yellow Genipi Screes and cliffs Artemisia umbelliformis Artemisia vulgaris Mugwort Pontresina Aster alpinus Alpine Aster Limestone rocks and turf Bellidastrum michelii False Aster Frequent Daisy Bellis perennis Frequent Carduus defloratus Alpine Thistle Common Carduus personata **Great Marsh Thistle** Pontresina Carlina acaulis Stemless Carline Thistle Mountain turf Carlina vulgaris Common Carline Thistle Occasional. Lower valleys Centaurea nervosa Plume Knapweed Chantarella Centaurea scabiosa Greater Knapweed Meadows Cicerbita alpina Alpine Blue-sowthistle Below Alp Grum Cirsium acaule **Dwarf Thistle** Occasional in pasture Woolly Thistle Cirsium eriophorum Morteratsch Yellow Melancholy Thistle Cirsium erisithales Alp Grum Cirsium heterophyllum Melancholy Thistle Meadows Cirsium palustre Marsh Thisle Damp places Cirsium spinosissimum Spiniest Thistle Mountain turf Crepis aurea Golden Hawk's-beard Common Crepis paludosa Marsh Hawk's-beard Wet meadows Doronicum clusii Clusius' Leopard's-bane Screes Erigeron acris subsp. politus Blue Fleabane Moraines Local Erigeron alpinus Alpine Fleabane Lowland Eupatorium cannabinum Hemp Agrimony Hieracium alpinum Alpine Hawkweed Frequent Morteratsch Hieracium angustifolium Glacier Hawkweed Hieracium aurantiacum ‡ Orange Hawkweed Pontresina Hieracium hoppeanum Hoppe's Hawkweed Stony places Stony places. Morteratsch Hieracium intybaceum Whitish Hawkweed Hieracium lactucella Eared Mouse-ear Hawkweed Common Hieracium murorum Few-leaved Hawkweed Occasional Hieracium piliferum Hairy Hawkweed Stony places Hieracium pilosella Mouse-ear Hawkweed Common Hieracium prenanthoides Rough-leaved Hawkweed Stony places Hieracium staticifolium Statice-leaved Hawkweed Morteratsch Hieracium villosum Hairy Hawkweed Stony pasture Alpine Colt's-foot Homogyne alpina Common Hypochaeris uniflora Giant Cat's-ear Alp Grum Jacobaea abrotanifolia Pinnate-leaved Ragwort Local Jacobaea incana subsp. carniolica Carniolian Ragwort Locally common Lapsana communis Nipplewort Waste places Leontodon helveticus Swiss Hawkbit Mountain turf Leontodon hispidus Alpine Hawkbit Acidic pasture Leontopodium nivale subsp. alpinum Edelweiss Limestone turf

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Alpine Moon Daisy

Leucanthemopsis alpina

Common. Mountain rocks

#### **Latin Name**

Leucanthemum atratum agg. Leucanthemum vulgare

Mycelis muralis

Omalotheca norvegicum Omalotheca supinum Petasites albus Petasites paradoxus

Prenanthes purpurea Saussurea alpina

Scorzoneroides autumnalis

Senecio doronicum Senecio ovatus Senecio rupestris Senecio vulgaris

Solidago virgaurea subsp. minuta

Taraxacum alpinum Taraxacum officinale Tragopogon pratensis

Tussilago farfara

#### **Betulaceae**

Alnus glutinosa Alnus incana Alnus viridis Betula pendula Betula pubescens Corylus avellana

#### Boraginaceae

Cerinthe glabra Echium vulgare Eritrichium nanum Myosotis alpestris Myosotis scorpioides Myosotis sylvatica

Pulmonaria australis

#### Brassicaceae

Arabis alpina subsp. alpina

Arabis bellidifolia Arabis caerulea Barbarea vulgaris Biscutella laevigata Capsella bursa-pastoris Cardamine alpina Cardamine amara Cardamine resedifolia

Draba aizoides Draba dubia Draba fladnizensis Draba tomentosa Kernera saxatilis

Noccaea perfoliata

**Common Name** 

Saw-leaved Moon Daisy

Ox-eye Daisy Wall Lettuce

Norwegian Cudweed Occasional in mountain pasture

**Notes** 

Mountain turf

Meadows

Walls

**Dwarf Cudweed** Snowbeds White Butterbur Damp meadows Alpine Butterbur Mountain pasture

Purple Lettuce Forests Alpine Saw-wort Mountain turf Autumn Hawkbit Stony pasture Chamois Ragwort Locally common Wood Ragwort Forests

Rock Groundsel Rocky places Groundsel Ruderal Goldenrod Mountain rocks Alpine Dandelion Mountain rocks

Dandelion Widespread Goat's-beard Meadows

Colt's-foot Common. Damp rocky places

**Birch Family** 

Common Alder Valleys, by rivers Grey Alder Valleys, by rivers Green Alder Mountain scrub Silver Birch Widespread Downy Birch Frequent Hazel Cavaglia

**Borage Family** 

Smooth Honeywort Rare on Limestone. Alp Nova

Viper's Bugloss Waste places

Acidic mountain rocks King-of-the-Alps

Alpine Forget-me-not Common Pontresina Water Forget-me-not Wood Forget-me-not Woods

Southern Lungwort Below Alp Grum. Pontresina

**Cabbage Family** 

Alpine Rock-cress Mountain rocks Daisy-leaved Rock-cress Mountain rocks Blue Rock-cress Screes and moraines

Winter-cress Pontresina **Buckler Mustard** Rocky places Shepherd's-purse Widespread

Acidic rocks and screes Alpine Bitter-cress

Large Bitter-cress Streamsides Mignonette-leaved Bitter-cress Mountain rocks

Yellow Whitlowgrass Rocky places on limestone Austrian Whitlowgrass Acidic rocks. Corvatsch

**Bald White Whitlowgrass** Alpine rocks Tomentose Whitlowgrass Limestone rocks

Rock Kernera Rocks

Near habitation Perfoliate Penny-cress

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Sisymbrium austriacum Austrian Rocket Waste places

#### Campanulaceae

Campanula barbata
Campanula cochleariifolia
Campanula glomerata
Campanula rotundifolia
Campanula scheuchzeri
Campanula trachelium
Phyteuma betonicifolium
Phyteuma globulariifolium
Phyteuma hedraianthifolium
Phyteuma hemisphaericum
Phyteuma orbiculare

#### Caprifoliaceae

Linnaea borealis Lonicera alpigena Lonicera caerulea Lonicera nigra Lonicera xylosteum

Phyteuma scheuchzeri

#### Caryophyllaceae

Arenaria biflora Cerastium alpinum

Cerastiun arvense subsp. strictum

Cerastium cerastoides
Cerastium fontanum
Cerastium latifolium
Cerastium pedunculatum
Cerastium uniflorum
Cherleria biflora
Cherleria sedoides
Dianthus carthusianorum

Dianthus superbus
Dianthus sylvestris
Facchinia rupestris
Gypsophila repens
Herniaria glabra
Minuartia recurva
Moehringia ciliata
Sabulina verna
Sagina procumbens
Sagina saginoides
Saponaria ocymoides
Scleranthus annuus

Silene diocia Silene exscapa Silene nutans

Silene acaulis

Silene rupestris Silene vulgaris **Bellflower Family** 

Bearded Bellflower Mountain turf
Fairy's-thimble Mountain rocks
Clustered Bellflower Occasional. Meadows

Harebell Common
Scheuchzer's Bellflower Mountain turf
Nettle-leaved Bellflower Woods
Betony-leaved Rampion Common
Globularia-leaved Rampion Alpine rocks

Rhaetian Rampion Rocks. Lago Bianco

Globe-headed Rampion Acidic rocks

Round-headed Rampion Meadows. Frequent
Scheuchzer's Rampion Cavaglia and Morteratsch

#### **Honeysuckle Family**

Twinflower Locally common in forests

Alpine Honeysuckle Forests

Blue-berried Honeysuckle Rocky places

Black-berried Honeysuckle Woods

Fly Honeysuckle Woods

#### **Pink Family**

Two-flowered Sandwort Acidic turf
Alpine Mouse-ear Mountain turf
Field Mouse-ear Frequent

Starwort Mouse-ear Rocks and pasture

Common Mouse-ear Common

Broad-leaved Mouse-ear Moraines and screes

Pedunculate Mouse-ear Acidic screes
One-flowered Mouse-ear Acidic screes
Northern Sandwort Limestone scree
Mossy Cyphel Alpine rocks and turf
Carthusian Pink Local. Open woodland

Large Pink Damp turf
Wood Pink Rocky places
Rock Sandwort Rocks and screes

Alpine Gypsophila Frequent
Smooth Rupturewort Railway ballast
Sickle-leaved Sandwort Stony places
Creeping Sandwort Screes
Vernal Sandwort Stony places
Procumbent Pearlwort Common

Alpine Pearlwort Alpine turf and screes

Rock Soapwort Chantarella
Annual Knawel Occasional
Moss Campion Mountain turf
Red Campion Meadows
Stemless Moss Campion Mountain turf

Nottingham Catchfly Rocks and meadows

Rock Campion Rocks
Bladder Campion Meadows

#### **Latin Name Common Name Notes** Stellaria holostea **Greater Stichwort** Occasional Stellaria graminea Lesser Stitchwort Woods and meadows Stellaria media Common Chickweed Occasional Stellaria nemorum Wood Stitchwort Woods Cistaceae **Rock-rose Family** Helianthemum nummularium subsp. Large-flowered Common Rocky places grandiflorum Rockrose Helianthemum oelandicum subsp. alpestre Alpine Rockrose Calcareous turf Convolvulaceae **Bindweed Family**

Cuscuta epithymum	Occasional	
Crassulaceae	Stonecrop Family	
Sedum acre	Biting Stonecrop	Frequent
Sedum album	White Stonecrop	Stony places
Sedum alpestre	Alpine Stonecrop	Mountain rocks
Sedum annuum	Annual Stonecrop	Moraines. Morteratsch, Val Roseg
Sedum atratum	Dark Stonecrop	Mountain rocks
Sedum dasyphyllum	Thick-leaved Stonecrop	Walls and rocks
Sedum villosum	Hairy Stonecrop	Acidic flushes. Rare. Val Roseg
Sempervivum arachnoideum	Cobweb Houseleek	Common. Stony places
		0 0 1

334411	. iaii y Ctocp	, 101010 110011001 110101 10111001
Sempervivum arachnoideum	Cobweb Houseleek	Common. Stony places
Sempervivum montanum	Mountain Houseleek	Common. Stony places
Sempervivum tectorum	Common Houseleek	Occasional. Rocky turf

Dipsacaceae	Teasel Family	
Knautia dipsacifolia	Wood Scabious	Shady places
Scabiosa columbaria	Small Scabious	Occasional
Scabiosa lucida	Shining Scabious	Meadows

Scapiosa lucida	Shirling Scablous	Meadows
Ericaceae	Heath Family	
Arctostaphylos uva-ursi	Bearberry	Rocky pasture
Arctous alpina	Alpine Bearberry	Limestone turf and screes
Calluna vulgaris	Ling	Frequent
Empetrum nigrum subsp. hermaphroditum	Hermaphrodite Crowberry	Acidic heaths
Erica carnea	Spring Heath	Limestone rocks
Kalmia procumbens	Trailing Azalea	Acidic heaths
Moneses uniflora	One-flowered Wintergreen	Forest
Orthilia secunda	Serrated Wintergreen	Forest
Pyrola minor	Lesser Wintergreen	Forest
Pyrola rotundifolia	Round-leaved Wintergreen	Val da Fain, Alp Nova
Rhododendron ferrugineum	Alpenrose	Common
Vaccinium myrtillus	Pilhorny	Common

Pyrola rotundifolia	Round-leaved Wintergreen	Val da Fain, Alp Nova
Rhododendron ferrugineum	Alpenrose	Common
Vaccinium myrtillus	Bilberry	Common
Vaccinium uliginosum	Bog Whortleberry	Common
Vaccinium vitis-idaea	Cowberry	Common

Euphorbiaceae	Spurge Family	
Euphorbia cyparissias	Cypress Spurge	Frequent on limestone

Euphorbiaceae Euphorbia cyparissias	Spurge Family Cypress Spurge	Frequent on limestone
Fabaceae	Pea Family	
Anthyllis vulneraria subsp. alpestris	Alpine Kidney Vetch	Mountain pasture
Astragalus alpinus	Alpine Milk-vetch	Mountain turf
Astragalus australis	Southern Milk-vetch	Mountain turf on limestone

Latin Name	Common Name Notes	
Astragalus frigidus	Pallid Milk-vetch	Limestone pasture
Astragalus penduliflorus	Mountain Lentil	Pasture and stony places. Local
Hedysarum hedysaroides	Alpine Sainfoin	Mountain pasture
Hippocrepis comosa	Horseshoe Vetch	Common on limestone
Lathyrus pratensis	Meadow Vetchling	Meadows
Lotus alpinus	Alpine Bird's-foot Trefoil	Mountain turf
Lotus corniculatus	Bird's-foot Trefoil	Meadows
Medicago lupulina	Black Medick	Common
Medicago sativa ‡	Lucerne	Pontresina
Melilotus albus	White Melilot	Waste places. Pontresina
Melilotus officinalis	Ribbed Melilot	Waste places. Pontresina
Onobrychis arenaria	Small Sainfoin	Occasional. Pontresina
Onobrychis montana	Mountain Sainfoin	Mountain pasture
Oxytropis campestris	Yellow Milk-vetch	Common in pasture
Oxytropis jacquinii	Mountain Milk-vetch	Stony places on limestone
Trifolium alpinum	Alpine Clover	Common
Trifolium badium	Brown Clover	Mountain meadows
Trifolium montanum	Mountain Clover	Frequent
Trifolium pallescens	Pale Clover	Pasture and rocky places
Trifolium pratense	Red Clover	Meadows
Trifolium repens	White Clover	Common
Trifolium thalii	Thal's Clover	Mountain turf
Vicia cracca	Tufted Vetch	Frequent
Vicia sepium	Bush Vetch	Occasional
Gentianaceae	Gentian Family	
Gentiana acaulis	Trumpet Gentian	Mountain pasture
Gentiana bavarica	Bavarian Gentian	Marshes
Gentiana brachyphylla	Short-leaved Gentian	Alpine turf
Gentiana ×charpentieri (G. lutea x G. punctata)	Charpentier's Gentian	With both parents
Gentiana clusii	Clusius' Gentian	Limestone turf
Gentiana lutea	Great Yellow Gentian	Limestone pasture
Gentiana nivalis	Snow Gentian	Mountain turf
Gentiana orbicularis	Orbiculate-leaved Gentian	Occasional
Gentiana punctata	Spotted Gentian	Mountain pasture
Gentiana verna	Spring Gentian	Common
Gentianella campestris	Field Gentian	Pasture
Geraniaceae	Crane's-bill Family	
Geranium pyrenaicum	Pyrenean Crane's-bill	Common
Geranium robertianum	Herb Robert	Common
Geranium sylvaticum	Wood Crane's-bill	Common
Globulariaceae	Globularia Family	
Globularia cordifolia	Matted Globularia	Frequent on limestone
Globularia nudicaulis	Leafless-stemmed Globularia	Frequent on limestone
Нурегісасеае	St John's-wort Family	
Hypericum maculatum	Imperforate St John's-wort	Frequent
Lamiaceae	Dead-nettle Family	
Ajuga pyramidalis	Pyramidal Bugle	Locally common

Ajuga reptansCommon BugleCommonClinopodium alpinumAlpine CalamintRocky turf on limestone

Clinopodium vulgare Wild Basil Frequent

Dracocephalum ruyschianaNorthern Dragon-headOpen forest. RareGaleopsis tetrahitCommon Hemp-nettleOccasionalHorminum pyrenaicumDragon-mouthVal Minor

Lamiastrum galeobdolon Yellow Archangel Woods. Alp Grum

Lamium albumWhite Dead-nettleFrequentLamium amplexicauleHenbit Dead-nettleWaste placesLamium purpureumPurple Dead-nettleWaste placesPrunella vulgarisSelf-healCommon

Salvia pratensisMeadow ClaryRoadside banks. PontresinaTeucrium montanumMountain GermanderLimestone rocks. Chantarella

Thymus praecox subsp. polytrichus Wild Thyme Common

Lentibulariaceae Butterwort Family

Pinguicula alpina Alpine Butterwort Damp mountain turf and rocks

Pinguicula leptoceras Southern Butterwort Wet flushes

Linaceae Flax Family
Linum catharticum Fairy Flax

Linum catharticum Fairy Flax Common

MontiaceaeBlinks FamilyMontia fontanaBlinksSprings

Onagraceae Willowherb Family

Epilobium alpestreWhorled-leaved WillowherbFrequentEpilobium alsinifoliumChickweed WillowherbFrequentEpilobium anagallidifoliumAlpine WillowherbFrequentEpilobium angustifoliumRosebay WillowherbOccasional

Epilobium fleischeri Fleischer's Willowherb River gravels and moraines

Epilobium montanum Broad-leaved Willowherb Occasional

Orobanchaceae Bromrape Family

Alpine turf Bartsia alpina Alpine Bartsia Euphrasia minima **Dwarf Eyebright** Mountain rocks Euphrasia rostkoviana Common Eyebright Meadows Melampyrum pratense Common Cow-wheat Forest Forest Melampyrum sylvaticum Small Cow-wheat Pedicularis kerneri Kerner's Lousewort Alpine turf Pedicularis oederi Crimson-tipped Lousewort Alpine turf

Pedicularis oederi

Pedicularis palustris

Marsh Lousewort

Pedicularis recutita

Pedicularis rostratospicata

Crimson-tipped Lousewort

Marsh Lousewort

Beakless Red Lousewort

Flesh-pink Lousewort

Fuorcla Surlej

Pedicularis tuberosaLong-beaked Yellow LousewortAcidic mountain turfPedicularis verticillataWhorled LousewortMountain turfRhinanthus alectorolophusGreater Yellow-rattleMeadows

Yellow-rattle

Frequent

Oxalidaceae Wood-sorrel Family

Rhinanthus minor

Oxalis acetosella Wood-sorrel Shaded rocks

Latin Name	Common Name	Notes
Papaveraceae	Poppy Family	
Papaver aurantiacum	Rhaetic Poppy	Scree. Local
Papaver croceum ‡	Islandic Poppy	River gravels.
Parnassiaceae	Grass-of-Parnassus Family	
Parnassia palustris	Grass-of-Parnassus	Damp flushes
		- ap
Plantaginaceae	Plantain Family	
Plantago alpina	Alpine Plantain	Mountain turf
Plantago atrata	Dark Plantain	Mountain turf
Plantago lanceolata	Ribwort Plantain	Occasional
Plantago major	Greater Plantain	Occasional
Plantago maritima subsp. serpentina	Fleshy Plantain	Frequent
Plantago media	Hoary Plantain	Occasional
Polemoniaceae	Jacob's-ladder Family	
Polemonium caeruleum	Jacob's-ladder	Limestone rocks
Delygologo	Millowert Comily	
Polygalaceae	Milkwort Family Mountain Milkwort	Common
Polygala alpestris Polygala alpina	Alpine Milkwort	Mountain turf
	-	
Polygala chamaebuxus	Shrubby Milkwort	Frequent
Polygonaceae	Dock Family	
Bistorta officinalis	Common Bistort	Meadows
Bistorta vivipara	Alpine Bistort	Common
Oxyria digyna	Mountain Sorrel	Rocks and screes
Rumex acetosa	Common Sorrel	Widespread
Rumex acetosella	Sheep's Sorrel	Acidic pasture
Rumex alpestris	Alpine Sorrel	Widespread
Rumex alpinus	Monk's-rhubarb	Disturbed areas
Rumex obtusifolius	Broad-leaved Dock	Occasional
Rumex scutatus	French Sorrel	Screes and rocky places
Primulaceae	Primrose Family	
Androsace alpina	Alpine Rock-jasmine	Alpine scree
Androsace chamaejasme	Ciliate Rock-jasmine	Frequent
Androsace helvetica	Swiss Rock-jasmine	Limestone rocks. Piz Schlattain
Androsace obtusifolia	Blunt-leaved Rock Jasmine	Limestone turf
Lysimachia europaea	Chickweed Wintergreen	Gletchergarten
Lysimachia nemorum	Yellow Pimpernel	Val Roseg
Primula elatior	Oxlip	Snowbeds
Primula farinosa	Bird's-eye Primrose	Mountain turf
Primula halleri	Long-flowered Primrose	Rare. Below Alp Grum
Primula hirsuta	Hairy Primrose	Mountain rocks
Primula integrifolia	Entire-leaved Primrose	Common. Wet turf
Primula latifolia	Broad-leaved Primrose	Locally common
Primula ×muretiana (P. integrifolia x P.	A hybrid Primrose	Val Minor, Fuorcla Surlej
latifolia)	A Try Dila T IIIII 000	vai minor, i doroid odiloj

14 © Naturetrek April 20

Alpine Snowbell

**Dwarf Snowbell** 

latifolia)

Soldanella alpina

Soldanella pusilla

Mountain turf

Wet turf

#### Ranunculaceae

Clematis alpina

Aconitum lycoctonum subsp. vulparia

Aconitum napellus agg. Aquilegia alpina Caltha palustris

Pulsatilla alpina subsp. apiifolia

Pulsatilla vernalis
Ranunculus aconitifolius
Ranunculus acris
Ranunculus glacialis
Ranunculus kuepferi
Ranunculus montanus

Ranunculus platanifolius Ranunculus repens Thalictrum aquilegiifolium Thalictrum foetidum Thalictrum minus Trollius europaeus

### Rhamnaceae

Rhamnus pumilus

#### Rosaceae

Alchemilla alpina Alchemilla conjuncta Alchemilla glabra Alchemilla hybrida agg. Alchemilla pentaphyllea Alchemilla vulgaris agg. Alchemilla xanthochlora Cotoneaster integerrima

Dryas octopetala
Filipendula ulmaria
Fragaria vesca
Geum montanum
Geum reptans
Geum rivale
Potentilla anserina
Potentilla aurea

Potentilla crantzii

Potentilla erecta

Potentilla frigida Potentilla grandiflora Potentilla rupestris Poterium sanguisorba

Prunus padus Rosa canina Rosa pendulina Rubus idaeus

Rubus saxatilis

Sanguisorba officinalis

Sibbaldia procumbens

**Buttercup Family** 

Wolf's-bane Frequent. Forests and streamsides

Monk's-hood Damp pasture
Alpine Columbine Limestone pasture
Marsh Marigold Flushes and streamsides
Alpine Clematis Forest and pasture
Alpine Pasqueflower Mountain pasture
Spring Pasqueflower Mountain pasture

Aconite-leaved Buttercup Forest

Meadow Buttercup Common

Glacier Crowfoot Alpine scree

Kupfer's Buttercup Mountain turf

Mountain Buttercup Mountain turf

Maple-leaved Buttercup Rare in open forest. Alp Grum

Creeping Buttercup Meadows
Great Meadow-rue Meadows
Stinking Meadow-rue Pasture
Lesser Meadow-rue Pasture
Globeflower Damp pasture

### **Buckthorn Family**

Dwarf Buckthorn Limestone Rocks

#### **Rose Family**

Alpine Lady's Mantle Common
Silver Lady's Mantle Frequent
Smooth Lady's Mantle Frequent
Hybrid Lady's Mantle Occasional

Cut-leaved Lady's Mantle Damp mountain turf

Lady's-mantle Common
Pale Lady's-mantle Frequent
Wild Cotoneaster Rocks

Mountain Avens Mountain rocks and scree
Meadowsweet Lowland meadows
Wild Strawberry Woods and pasture
Alpine Avens Mountain turf

Creeping Avens Alpine rocks and scree Water Avens Occasional. Wet places

Silverweed Waste places

Golden Cinquefoil Occasional. Mountain turf
Alpine Cinquefoil Common. Mountain turf

Tormentil Acidic turf

Glacier Cinquefoil Acidic alpine rocks
Large-flowered Cinquefoil Acidic pasture

Rock Cinquefoil Local

Salad Burnet Widespread
Bird Cherry Near Hotel Palu
Dog-rose Wooded slopes
Alpine Rose Frequent. Mountains

Raspberry Woods

Stone Bramble Occasional. Rocky places

Great Burnet Meadows

Sibbaldia Stony places in mountains

Tamaricacae

Myricaria germanica

Latin Nama	Common Nama	Natas
Latin Name	Common Name	Notes
Sorbus aria	Whitebeam	Occasional in forest
Sorbus aucuparia	Rowan	Woods and scrub
Sorbus chamaemespilus	False-medlar	Mountain scrub
Rubiaceae	Madder Family	
Asperula cynanchica	Squinancywort	Limestone rocks
Cruciata laevipes	Crosswort	Meadows
Galium anisophyllum	Dwarf Bedstraw	Frequent
Galium boreale	Northern Bedstraw	Occasional. Grassy places
Galium odoratum	Woodruff	Woods
Galium pumilum	Slender Bedstraw	Frequent
Galium verum	Lady's Bedstraw	Meadows
Salicaceae	Willow Family	
Populus tremula	Aspen	Occasional
Salix breviserrata	Finely-toothed Willow	Occasional
Salix caprea	Goat Willow	Lowland woods
Salix eleagnos	Hoary Willow	Occasional. Streamsides
Salix foetida	Stinking Willow	Val da Fain
Salix glaucosericea	Silky Willow	Occasional
Salix hastata	Large-stipuled Willow	Occasional
Salix herbacea	Least willow	Mountain turf
Salix myrsinifolia	Dark-leaved Willow	Morteratsch
Salix purpurea	Purple Willow	Morteratsch
Salix reticulata	Net-leaved Willow	Mountain rocks and turf
Salix retusa	Retuse-leaved Willow	Mountain rocks and turf
Salix serpyllifolia	Thyme-leaved Willow	Mountain rocks and turf
Santalaceae	Bastard-toadflax Family	
Thesium alpinum	Alpine Bastard-toadflax	Occasional, Pasture
ттезит арпит	Alpine Dastard-toadriax	Occasional. I asture
Saxifragaceae	Saxifrage Family	
Chrysosplenium alternifolium	Alternate-leaved Golden- saxifrage	Occasional. Wet places
Micranthes stellaris subsp. robusta	Starry Saxifrage	Wet acidic flushes
Saxifraga aizoides	Yellow Mountain Saxifrage	Wet turf and screes
Saxifraga androsacea	Scree Saxifrage	Damp screes and rocks
Saxifraga aspera	Rough Saxifrage	Rocky places
Saxifraga bryoides	Mossy Saxifrage	Rocky places
Saxifraga caesia	Blue Saxifrage	Limestone scree and turf
Saxifraga exarata subsp. exarata	White Musky Saxifrage	Rocky places
Saxifraga exarata subsp. moschata	Musky Saxifrage	Rocky places
Saxifraga oppositifolia	Purple Saxifrage	Moraines and screes
Saxifraga paniculata	Livelong Saxifrage	Rocks and cliffs
Saxifraga seguieri	Seguier's Saxifrage	Damp alpine turf and rocks
Scrophulariaceae	Figwort Family	
Verbascum nigrum	Dark Mullein	Lowland
. J. Zaodam mgram	Dan mailon	2011/3110

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**Tamarisk Family** German Tamarisk

River gravels. Morteratsch

Thymelaeaceae Mezereon Family

Daphne mezereum Mezereon Limestone rocks. Local

Daphne striata Striped Daphne Stony pasture

Urticaceae Nettle Family

Urtica dioica Common Nettle Widespread

Valerianaceae Valerian Family

Valeriana montanaMountain ValerianLimestone rocksValeriana officinalisCommon ValerianDamp meadows

Valeriana tripteris Three-leaved Valerian Woods

Veronicaceae Speedwell Family

Chaenorhinum minusSmall ToadflaxRailway tracksDigitalis grandifloraLarge Yellow FoxgloveLocal. Woods

Linaria alpina Alpine Toadflax Screes and rocky places

Linaria vulgarisCommon ToadflaxBelow Alp GrumVeronica alpinaAlpine SpeedwellStony pastureVeronica aphyllaLeafless-stemmed SpeedwellStony pastureVeronica beccabungaBrooklimeWet places

 Veronica bellidioides
 Violet Speedwell
 Acidic pasture

 Veronica chamaedrys
 Germander Speedwell
 Occasional

Veronica fruticans Rock Speedwell Mountain rocks

Veronica fruticulosa A Rock Speedwell Rocky moraines. Morteratsch

Veronica officinalis Heath Speedwell Woods and banks

Veronica serpyllifoliaThyme-leaved SpeedwellCommonVeronica urticifoliaNettle-leaved SpeedwellWoods

Viburnaceae Viburnum Family

Sambucus nigra Common Elder Woods
Sambucus racemosa Alpine Elder Frequent

Violaceae Violet Family

Viola biflora Yellow Wood Violet Common

Viola calcarata Long-spurred Pansy Locally common

Viola palustrisMarsh VioletCommonViola rivinianaCommon Dog-violetCommon

Viola rupestris Teesdale Violet Limestone meadows

Viola tricolor Wild Pansy Waste places

MONOCOTYLEDONS

AmaryllidaceaeDaffodil FamilyAllium schoenoprasumChivesOccasional

Allium victorialis Alpine Leek Alp Grum, Alp Nova

Asparagaceae Asparagus Family

Convallaria majalisLily-of-the-ValleyOccasionalMaianthemum bifoliumMay LilyForests

Paradisea liliastrum St Bruno's Lily Local. Pasture

Polygonatum verticillatum Whorled Solomon's Seal Woods and Juniper scrub

#### **Latin Name Common Name Notes** Colchicaceae **Meadow Saffron Family** Colchicum autumnale Meadow Saffron Occasional. Meadows Cyperaceae **Sedge Family** Black Alpine Sedge Carex atrata subsp. atrata Frequent Carex canescens White Sedge Wet heaths Carex capillaris Hair Sedge Rocky places Carex curvula An alpine Sedge Locally dominant Carex davalliana Davall's Sedge Frequent Dioecious Sedge Calcareous flushes. Val Minor Carex dioica Carex echinata Star Sedge Common Carex ferruginea Rusty Sedge Locally dominant on limestone Glaucous Sedge Carex flacca Common Carex flava Large Yellow-sedge Fen. Cavaglia Carex frigida Ice Sedge Moraines. Morteratsch Carex lachenalii Hare's-foot Sedge Wet acid rocks Carex leporina Oval Sedge Moraines. Morteratsch Carex microglochin Bristle Sedge Base-rich flushes Carex montana Soft-leaved Sedge Limestone grassland. Val Minor Carex myosuroides Naked Sedge Alpine turf Carex nigra Black Sedge Common Frequent Carex ornithopoda Bird's-foot Sedge Carex pallescens Pale Sedge Frequent Carex panicea Carnation Sedge Common Carex parviflora Small-flowered Sedge Frequent Carex pauciflora Few-flowered Sedge Oligotrophic flushes Carex pulicaris Flea sedge Occasional. Calcareous flushes Carex rostrata Bottle Sedge Swamps and lake margins Carex rupestris Rock Sedge Limestone scree Carex sempervirens Evergreen Sedge Common Base-rich alpine flushes Carex simpliciuscula False-sedge Wet flushes. Val da Fain Eleocharis quinqueflora Few-flowered Spike-rush Eriophorum angustifolium Common Cottongrass Common **Broad-leaved Cottongrass** Eriophorum latifolium Wet places Eriophorum scheuchzeri Scheuchzer's Cottongrass Lakes and pools Trichophorum alpinum Cotton Deergrass Valley bogs Trichophorum cespitosum Northern Deergrass Common Iris Family Iridaceae Crocus vernus **Spring Crocus** Locally common Juncaceae **Rush Family** Juncus alpinoarticulatus Alpine Rush Wet mountain pastures Frequent Juncus jacquinii Jacquin's Rush Three-leaved Rush Juncus trifidus Acidic turf Wet flushes. Val da Fain Juncus triglumis Three-flowered Rush

Luzula alpinopilosa Alpine Wood-rush Mountain pasture Luzula lutea Yellow wood-rush Mountain pasture Luzula luzuloides White Wood-rush Woods Heath Wood-rush Luzula multiflora Mountain pasture Snowy Wood-rush Luzula nivea Woods Luzula spicata Spiked Wood-rush Mountain pasture Luzula sudetica Sudetic Wood-rush Occasional

Luzula sylvatica Great Wood-rush Woods

Juncaginaceae

Triglochin palustris Marsh Arrowgrass Local. Wet flushes

Liliaceae

Gagea serotina Snowdon Lily Mountain turf

Lilium bulbiferum subsp. croceum Orange Lily Woods and cliffs. Local

**Lily Family** 

**Arrowgrass Family** 

Lilium martagon Martagon Lily Woods

Streptopus amplexifolius Streptopus Woods. Cavaglia

Melanthiaceae

Paris quadrifoliaHerb-ParisForest. Val RosegVeratrum albumWhite False-helleborineMountain pasture

Orchidaceae

Chamorchis alpina Dwarf Orchid Screes and mountain turf. Local

**Herb-Paris Family** 

Corallorhiza trifida Coralroot Orchid Forests

Dactyrorhiza incarnata subsp. cruenta Flecked Marsh-orchid Calcareous flushes. Local

**Orchid Family** 

Dactylorhiza maculata subsp. fuchsiiCommon Spotted-orchidCommonDactylorhiza maculata subsp. maculataHeath Spotted-orchidCommon

Dactylorhiza majalis Broad-leaved Marsh-orchid Wet pasture. Common

Dactylorhiza viridisFrog OrchidFrequentGymnadenia conopseaFragrant-orchidCommonGymnadenia miniataRed Vanilla OrchidLocally cor

Gymnadenia miniataRed Vanilla OrchidLocally commonGymnadenia odoratissimaShort-spurred Fragrant-orchidLocally commonGymnadenia rhellicaniAlpine Vanilla OrchidLocally commonNeottia ovataTwaybladeOccasional. Meadows

Orchis masculaEarly-purple OrchidLocally commonPlatanthera bifoliaLesser Butterfly-orchidLocal. Grassland

Pseudorchis albida Small-white Orchid Common

Traunsteinera globosa Round-headed Orchid Local. Chantarella

Poaceae Grass Family

Agropyron repensCommon CouchWaste placesAgrostis capillarisCommon BentCommon

Alopecurus pratensis Meadow Foxtail Common in lower meadows

Anthoxanthum alpinumAlpine Vernal-grassCommonAnthoxanthum odoratumSweet Vernal-grassCommonArrhenatherum elatiusFalse Oat-grassOccasionalAvenella flexuosaWavy Hair-grassCommon

Averiella liexuosa Wavy Hair-grass Common
Brachypodium pinnatum False Brome Occasional
Briza media Quaking-grass Common
Bromus hordeaceus Soft Brome Lowland
Calamagrostis epigejos Wood Small-reed Val Roseg
Calamagrostis varia Variable Small-reed Gletschergarten

Calamagrostis villosaShaggy Small-reedAlluvial habitatsCynosurus cristatusCrested Dog's-tailMeadows

Deschampsia cespitosaTufted Hair-grassWet turf. CommonFestuca ovinaSheep's-fescueCommon

Festuca rubra Red Fescue Common

Festuca violacea Violet Fescue Mountains. Common

Glyceria fluitans Floating Sweet-grass Lej Pitschen

#### **Latin Name Common Name Notes** Holcus lanatus Yorkshire-fog Frequent Holcus mollis Creeping Soft-grass Frequent Koeleria macrantha Crested Hair-grass Frequent Lolium perenne Perennial Rye-grass Waste places Melica nutans Mountain Melick Frequent Molinia caerulea Purple Moor-grass Oligotrophic flushes Nardus stricta Common Mat-grass Oreochloa disticha Two-lined Moor-grass Alpine Rocks Phleum alpinum Alpine Cat's-tail Frequent Phleum pratense Timothy Meadows Phleum rhaeticum Rhatisches Cat's-tail Common Poa alpina Alpine Meadow-grass Common Poa annua Annual Meadow-grass Common on trackways Poa nemoralis Wood Meadow-grass Forests Poa pratensis **Smooth Meadow-grass** Meadows Poa supina Creeping Meadow-grass Meadows Poa trivialis Rough Meadow-grass Meadows Schedonorus pratensis Meadow Fescue Common Sesleria caerulea Blue Moor-grass Limestone

Tofieldiaceae Scottish Asphodel Family

Tofieldia calyculata Tofield's Asphodel Common

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

				July									
	Common name	Latin name	7	8	9	10	11	12	13	14			
1	Mute Swan	Cygnus olor								✓			
2	Mallard	Anas platyrhynchos		✓		✓							
3	Tufted Duck	Aythya fuligula					✓						
4	Common Swift	Apus apus		✓	✓	✓	✓	✓	✓	✓			
5	Common Cuckoo	Cuculus canorus						Н					
6	Eurasian Coot	Fulica atra					✓						
7	Great Crested Grebe	Podiceps cristatus					✓			✓			
8	Yellow-legged Gull	Larus michahellis	✓										
9	Grey Heron	Ardea cinerea								✓			
10	Bearded Vulture (Lammergeier)	Gypaetus barbatus		✓									
11	Golden Eagle	Aquila chrysaetos							✓				
12	Red Kite	Milvus milvus								✓			
13	Common Buzzard	Buteo buteo								✓			
14	Tawny Owl	Strix aluco				Н							
15	Great Spotted Woodpecker	Dendrocopos major				✓	✓						
16	Common Kestrel	Falco tinnunculus	✓	✓		✓							
17	Eurasian Magpie	Pica pica	✓										
18	Spotted Nutcracker	Nucifraga caryocatactes					✓		Н				
19	Alpine Chough	Pyrrhocorax graculus				✓			✓				
20	Carrion Crow	Corvus corone	✓	✓			✓						
21	Northern Raven	Corvus corax							✓				
22	Coal Tit	Periparus ater					✓	✓					
23	European Crested Tit	Lophophanes cristatus					Н						
24	Great Tit	Parus major				✓	✓		✓				
25	Eurasian Crag Martin	Ptyonoprogne rupestris		✓	✓	✓	✓	✓	✓	✓			
26	Long-tailed Tit	Aegithalos caudatus					✓						

				July									
	Common name	Latin name	7	8	9	10	11	12	13	14			
27	Common Chiffchaff	Phylloscopus collybita		Н		✓	Н	Н					
28	Eurasian Blackcap	Sylvia atricapilla			Н	✓							
29	Garden Warbler	Sylvia borin						Н					
30	Common Firecrest	Regulus ignicapilla					Н						
31	Eurasian Wren	Troglodytes troglodytes		Н			Н						
32	Eurasian Nuthatch	Sitta europaea					✓						
33	Ring Ouzel	Turdus torquatus							Н				
34	Common Blackbird	Turdus merula	✓	✓		✓	✓	✓	✓	✓			
35	Fieldfare	Turdus pilaris		✓		✓	✓		✓				
36	Mistle Thrush	Turdus viscivorus				✓	✓	✓					
37	Black Redstart	Phoenicurus ochruros		✓	✓	✓	✓	✓	✓	✓			
38	Northern Wheatear	Oenanthe oenanthe			✓	✓		✓	✓				
39	House Sparrow	Passer domesticus	✓	✓	✓	✓	✓	✓	✓	✓			
40	White-winged Snowfinch	Montifringilla nivalis				✓	✓	✓					
41	Alpine Accentor	Prunella collaris			Н				Н				
42	White Wagtail	Motacilla alba		✓	✓	✓	✓		✓				
43	Water Pipit	Anthus spinoletta			✓	✓	✓	✓	✓				
44	Common Chaffinch	Fringilla coelebs	✓	✓	✓	✓	✓	✓	✓	✓			
45	Common Linnet	Linaria cannabina				✓			✓				
46	European Goldfinch	Carduelis carduelis					✓		✓				
47	Citril Finch	Carduelis citrinella						✓					
48	European Serin	Serinus serinus				✓		Н					

### Mammals

1	Red Squirrel	Sciurus vulgaris					✓	✓	
2	Alpine Marmot	Marmota marmota		✓	✓		Н	✓	
3	Snow Vole	Microtus nivalis		✓			✓		
4	Red Deer	Cervus elaphus				✓		✓	
5	Roe Deer	Capreolus capreolus	✓						

### Reptiles & Amphibians

1	Adder	Viperus berus				✓	✓		
2	Common Frog	Rana temporaria	✓	✓	✓	✓	✓		

# Butterflies (L = Larva)

1	Swallowtail	Papilio machaon	✓	✓				
2	Apollo	Parnassius apollo		L		L		
3	Mountain Clouded Yellow	Colias phicomone		✓				✓
4	Black-veined White	Aporia crataegi	✓		✓			
5	Green Hairstreak	Callophrys rubi				✓		
6	Purple-edged Copper	Lycaena hippothoe eurydame			✓	✓		
7	Purple-shot Copper	Lycaena alciphron			✓			
8	Little Blue	Cupido minimus	✓	✓	✓	✓		
9	Osiris Blue	Cupido osiris				✓	✓	
10	Large Blue	Maculinea arion	✓					
11	Mountain Alcon Blue	Maculinea alcon rebeli			✓			✓
12	Glandon Blue	Agriades glandon						✓
13	Common Blue	Polyommatus icarus	✓		✓			
14	Adonis Blue	Lysandra bellargus			✓			
15	Painted Lady	Vanessa cardui	✓	✓	✓	✓	✓	

				July											
	Common name	Latin name	7	8	9	10	11	12	13	14					
16	Niobe Fritillary	Argynnis niobe								✓					
17	Lesser Marbled Fritillary	Brenthis ino		✓	<b>✓</b>	✓									
18	Shepherd's Fritillary	Boloria pales			✓										
19	Heath Fritillary	Melitaea athalia		✓											
20	Cynthia's Fritillary	Euphyhydras cynthia							✓						
21	Alpine Marsh Fritillary	Euphydryas aurinia subsp. graciegenita							✓						
22	Alpine Grayling	Oeneis glacialis					✓								
23	De Pruner's Ringlet	Erebia triaria						✓							
24	Alpine Heath	Coenonympha gardetta			<b>✓</b>			✓							
25	Duke of Burgundy Fritillary	Hamearis lucina		✓											
26	Large Grizzled Skipper	Pyrgus alveus						✓							
27	Alpine Grizzled Skipper	Pyrgus andromedae							✓						
28	Chequered Skipper	Carterocephalus palaemon				✓									

### Moths

1	Six-spot Burnet	Zygaena filipendulae		✓			✓	✓	
2	Chimney Sweeper	Odezia atrata	✓	✓	✓		✓		
3	Lackey Moth	Malacosoma neustria		L		L	L	L	
4	Wood Tiger	Parasemia plantaginis				✓			

### Other Insects

1	Red Wood Ant	Formica rufa	✓	✓	✓	✓	✓	✓	
2	A leaf beetle	Oreina speciosa	✓						