# Switzerland - Alpine Flowers of the **Upper Engadine**

Naturetrek Tour Report

6 – 13 July 2014









Primula integrifolia



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# Day 1 Sunday 6th July

After assembling in Zurich airport, we made our way down to the railway station to catch the train to Zurich main station. Once on the intercity express, we settled down to enjoy the scenic journey. We passed Lake Zurich and the Walensee, meeting the Rhine as it flows into Liechtenstein, and then changed to the delightful Regional Railway at Chur. Dramatic scenery followed as we made our way up into the Alps through the many loops and tunnels to Sameden. After a final short train-ride to Pontresina, we were met by the hotel minibus and we were soon enjoying the first of the delicious meals that were to become a feature of the week.

Day 2 Monday 7th July

Spring had been slow to arrive in the Engadine, with significant snowfall during the previous week. With rain falling to the north, we caught the train from Surovas and travelled south, all the way up Val Bernina and over the watershed to Alp Grum. The weather was much better here, with sunny periods. We made our way slowly to the Belvedere for coffee. Being our first day, it was not surprising that we made slow progress, finding new plants every few paces. Early-purple Orchid Orchis mascula, Vanilla Orchid Gymnadenia rhellicani, Frog Orchid Coeloglossum viride and Small-white Orchid Pseudorchis albida were in flower and Alpine Aster Aster alpinus made a colourful show, just below the cafe.

In the forest, below the station, we found Whorled Solomon's-seal *Polygonatum verticillatum*, Martagon Lily *Lilium martagon* and Monk's-hood *Aconitum napellus*. We paused for lunch, near the railway line, before continuing down the easy path through the forest. Sunny periods, during the afternoon, brought out many butterflies, including some fine specimens of Purple-shot Copper, the spectacular Arran Brown and a number of Fritillaries and Ringlets. The raucous calls of Spotted Nutcracker could be heard in the trees and Large-flowered Foxglove *Digitalis grandiflora*, Carthusian Pink *Dianthus carthusianorum* subsp. *vaginatum* and a colony of the rare One-flowered Wintergreen *Moneses uniflora* were just a few of the botanical highlights.

We emerged into colourful meadows, around the delightful village of Cavaglia and its railway station. Before we caught our return train, we had ample time to visit the Gletscher Garten, where we explored the amazing potholes and other erosion-features, left behind after the last glacial retreat. We were back in Pontresina by 7 pm after a wonderful introduction to the region's natural history and scenery.

Day 3 Tuesday 8th July

Rain had fallen the previous evening and continued until breakfast. Above 2,200 metres, there was a covering of fresh snow, suggesting that a relatively low-level excursion would be a wise choice. After a short train ride to Morteratsch, we set off towards the glacier along a broad track, marked at intervals to show the position of the glacier-front since the late nineteenth century. In the forest, we observed a small colony of Coralroot Orchid Corallorhiza trifida and large patches of Lesser Wintergreen Pyrola minor, and on the riverside gravels and moraines a diverse flora, where the brick-red flowers of Sempervivum arachnoideum, the deep blue bells of Fairy's-thimble Campanula cochlearifolia and the attractive pink willowherb Epilobium fleischeri provided splashes of intense colour.

Eye-catching clumps of White-leaved Adenostyles *Adenostyles leucophylla* and a bewildering variety of willows lined the trail. The glacier is currently a shadow of its former self and is reduced to a static slope of dirty ice but, close-up, the ice cliffs at its snout and the torrents of melt-water made an impressive sight. As we returned to the station, steady rain began to fall, but we managed to have a dry lunch in the shelter of the platform buildings.

Afterwards we took the train to Ospizio Bernina at the top of the pass, beside the milky Lago Bianco. It was clear that we were in for a wet afternoon, so we donned our waterproofs and set off along the lake shore. There was plenty to interest us on the way, including bright pink clumps of *Primula hirsuta*, fine colonies of the delicate yellow Rhaetic Poppy *Papaver aurantiacum* and the robust Spotted Gentian *Gentiana punctata*. After a forested section, the trail afforded magnificent views of the Poschiavo valley, where we had been the previous day, and we were soon enjoying refreshments, once again, in the Belvedere. It was then just a short downhill walk to Alp Grum station and our return train.

### Day 4

### Wednesday 9th July

The morning looked more promising; it was cloudy and dry, with more fresh snow on the tops. We took the train to Bernina Suot, the start of our walk up Val Minor. The first part of the valley has a rich limestone flora derived from the limestone of Piz Alv. There were colourful displays of Rockroses and Alpine Gypsophila Gypsophila repens, lots of Red Vanilla Orchids Gymnadenia rubra in the turf, and Striped Daphne Daphne striata and Jacob's-ladder Polemonium caeruleum around the boulders. The deep purple Dragon-mouth Horminum pyrenaicum was flowering in just one gully but occurred in large numbers. Further up the valley, Alpine Pasqueflower Pusatilla alpina subsp. apiifolia made a wonderful show, together with large specimens of the deep-purple Broadleaved Primrose Primula latifolia. In a jumble of boulders, the bright yellow of Creeping Avens Geum reptans attracted our attention, before we had to negotiate a large area of avalanche debris, testimony to the lateness of the season and the huge snowfalls of the previous winter. Once past this, we were surrounded by myriads of Dwarf Snowbell Soldanella pusilla in the soggy peaty turf, a memorable sight which brought everyone to their knees. Light rain and snow fell intermittently from mid-morning, but, as we reached the beautiful Lej Minor, we were able to enjoy our lunch during a dry interval.

Above the lake, there were stunning displays of Entire-leaved Primrose *Primula integrifolia* but the weather didn't encourage us to linger. Light snow and showers of snow pellets continued through the afternoon, but we remained stoical. After a short steep climb, the path crossed an outcrop of metamorphosed limestone with a striking flora, dominated by dwarf shrubs: Net-veined Willow *Salix reticulata* Retuse-leaved Willow *Salix retusa* and Mountain Avens *Dryas octopetala*, with blue-grey cushions of *Saxifraga caesia*, Purple Saxifrage *Saxifraga oppositifolia* and Yellow Whitlowgrass *Draba aizoides*. Round the corner, we reached the top at Fuorcla Minor and began our gentle descent, with the glaciers of Piz Cambrena ahead of us. The snow was lighter by now, allowing us to appreciate many of the lovely flowers, particularly the primroses, on the way down to Ospizio Bernina, where we caught the train and were back in Pontresina for 6 pm.

### Day 5

## **Thursday 10th July**

It was a dry morning with high cloud, so, after breakfast, we walked down to the Surovas station and took the train to Bernina Diavolezza. An airy ascent in the cable-car brought us to the restaurant and cafe, high on the ridge leading to Munt Pers, where we had a commanding view of a vast panorama of mountains and glaciers.

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Below us, the sinuous line of the Pers Glacier flowed from the ice-fields below Piz Palu, Piz Bernina and Piz Morteratsch. Much of the recent fresh snow remained, adding an extra sparkle to the scene and obscuring the crevassed and moraine-streaked surface of the glaciers. We followed the ridge leading towards the summit and were soon rewarded with huge white mounds of Glacier Crowfoot Ranunculus glacialis decorating the screes. Further on, was Creeping Avens Geum reptans with glowing yellow flowers and red runners and, nestling in the rocks, were lovely patches of deep blue King-of-the-Alps Eritrichium nanum and pale pink splashes of Alpine Rock-jasmine Androsace alpina.

After a very satisfying morning, we returned on the cable-car to the valley and spent some time comparing Snow Gentian Gentiana nivalis, Field Gentian Gentianella campestris and the tiny Slender Gentian Gentianella tenella. A brief shower preceded lunch, but the sun came out and we had a lovely afternoon exploring the lower part of Val da Fain. Here a series of springs and wet flushes contains a fascinating range of plants, including the rare Flecked Marsh-orchid Dactylorhiza cruenta, Marsh Lousewort Pedicularis palustris, the easily overlooked Marsh Arrowgrass Triglochin palustris, Three-flowered Rush Juncus triglumis and Variegated Horsetail Equisetum variegatum. A thorough search revealed the tiny Scottish Asphodel Tofieldia pusilla, a component of a very similar plant community in the Scottish Highlands. Below the cliffs, we compared the huge pleated leaves of Great Yellow Gentian Gentiana lutea and White False-helleborine Veratrum album. Martagon Lily, Alpine Clematis Clematis alpina and Alpine Columbine Aquilegia alpina were flowering around the shrub-clad boulders that dotted the hillside. Most of us pressed on to the limestone screes, running down from the mountain summit. They contained an interesting mixture of dwarf shrubs, including Dryas octopetala, dwarf willows, Alpine Bearberry Arctostaphylos alpinus and cushions of Blue Saxifraga caesia. After careful searching we found the tiny emerging shoots of Dwarf Orchid Chamorchis alpina. We followed a farm track to the railway at Bernina Suot and caught the train, arriving back at the hotel for 7 pm.

Day 6 Friday 11th July

We started with a bus journey through St Moritz to Surlej, where we joined the Corvatsch cable-car, all the way to the top station at 3,300 metres. We remained long enough for coffee and to take in the panorama, but cloud obscured most of the summits and more fresh snow covered the ground. We returned to Murtel on the cable-car and set off on the track to Fuorcla Surlej. Wet hillsides were awash with *Soldanella pusilla* and purple *Primula integrifolia*, where the snow had just receded. Other highlights included Short-leaved Gentian *Gentiana brachyphylla*, Scree Saxifrage *Saxifraga androsacea* and Blue Rock-cress *Arabis caerulea*. Much of our route was still snow-covered, until our final ascent to the col, where we spent some time photographing the exquisite blue cushions of King-of-the-Alps *Eritrichium nanum* and the best specimens of *Primula latifolia* that we had seen. Snow showers gave way to a sunny period during lunch, as we gazed across to the glaciers and ice-fields in the upper Roseg valley.

During the long descent, the flora gradually changed from that of high-mountain to forest and we eventually reached level ground at Hotel Roseg. Here we had a choice, with half the group opting for the gentle option of a horse and carriage ride back to Pontresina. The rest of the party enjoyed the long walk through the forest, encountering carpets of Twinflower *Linnaea borealis*, One-flowered Wintergreen *Moneses uniflora* and Herb-Paris *Paris quadrifolia*.

### Day 7

### Saturday 12th July

We had hoped for good weather for our last day and were not disappointed. We travelled by bus to St. Moritz, boarded the two-stage funicular railway to Corviglia and finally the cable-car to Piz Nair. After coffee we climbed the short distance to the summit where the rocky ground was speckled with cushions of White Musky Saxifrage Saxifraga exarata subsp. exarata, Eritrichium nanum and Gentiana brachyphylla. A rocky knoll, a little way down the mountain, was home to a similar community, with additional species including Alpine Toadflax Linaria alpina, the tiny yellow Potentilla frigida, Androsace alpina and Black Genipi Artemisia genipi.

We returned on the cable-car to Corviglia and enjoyed a leisurely lunch, in the sunshine, before continuing down the mountain on foot. The path threaded its way through a fascinating area of sugar limestone with many deep swallow holes creating an almost lunar landscape. An astonishing diversity of flowers included lots of Edelweiss Leontopodium alpinum, many Short-spurred Fragrant Orchids Gymnadenia odoratissima and Lesser Butterfly Orchid Platanthera bifolia and we were delighted to find a number of Dwarf Orchid Chamorchis alpina, in flower. Further on, wet pasture was thick with Broad-leaved Marsh-orchid Dactylorhiza majalis and a thorough search yielded some nice specimens of Round-headed Orchid Traunsteinera globosa. After a final forested section, the walk finished at Chantarella, where we caught the funicular back to St. Moritz. We relaxed over drinks and ice-creams, before catching the bus back to Pontresina. It had been a day of amazing contrasts, with some of the best flora that the region has to offer and the perfect way to end our week in the Upper Engadine.

### Day 8

## Sunday 13th July

After breakfast and packing, we made a short excursion near the hotel to see the rare Northern Dragon-head Dracocephalum ruyschiana and the striking Orange Lily Lilium bulbiliferum subsp. croceum, also appropriately known as Fire Lily. Our final discovery was the delicate fern, Oblong Woodsia Woodsia ilvensis, before we returned to the hotel for the minibus-ride down to the station. We were all very grateful to the hotel staff for their tireless efforts to make our stay such a pleasant one. The scenic journey back to Zurich went smoothly, leaving plenty of time to check-in for our return flight to London and summer.

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### **Species Lists**

Plants (‡ = cultivated or naturalised)

Plant classification largely follows the familiar 'old' system, likely to be encountered in current floras of the region.

Some recent taxonomic changes have been incorporated, where relevant.

For ease of reference, families, genera and species are presented in alphabetic order

Scientific Name Common Name Notes

LYCOPODIOPSIDA CLUBMOSSES

Lycopodiaceae Clubmoss Family

Diphasiastrum alpinumAlpine ClubmossOccasional. Mountain turfHuperzia selagoFir ClubmossFrequent. Acidic pastureLycopodium annotinumInterrupted ClubmossRare. Mountain turfLycopodium clavatumSta's-horn ClubmossMountain turf

Selaginellaceae Lesser Clubmoss Family

Selaginella selaginoides Lesser Clubmoss Frequent in turf

EQUISETOPSIDA HORSETAILS

Equisetaceae Horsetail Family

Equisetum arvense Field Horsetail Meadows and tracksides
Equisetum hyemale Rough Horsetail Limestone turf. Val da Fain

Equisetum palustre Marsh Horsetail Wet pasture

Equisetum sylvaticum Wood Horsetail Woods and wet pasture

Equisetum variegatum Variegated Horsetail Wet flushes

PTEROPSIDA FERNS

AspleniaceaeSpleenwort FamilyAsplenium ruta-murariaWall-rueWalls

Asplenium septentrionale Forked Spleenwort Rare on rocks
Asplenium trichomanes Maidenhair Spleenwort Walls and cliffs

Asplenium viride Green Spleenwort Damp mountain rocks

Dennstaedtiaceae Bracken Family

Pteridium aquilinum Bracken Valley wooodland

Dryopteridaceae Buckler-fern Family

Dryopteris carthusianaNarrow Buckler-fernDamp scrubDryopteris dilatataBroad Buckler-fernFrequentDryopteris filix-masMale-fernWidespreadGymnocarpium dryopterisOak FernWoods. Local

Gymnocarpium dryopterisOak FernWoods. LocalGymnocarpium robertianumLimestone FernCalcareous screePolystichum lonchitisHolly-fernMountain rocks

Ophioglossaceae Adder's-tongue Family

Botrychium lunaria Moonwort Common in short turf

Polypodiaceae Polypody Family

Polypodium vulgare Common Polypody Occasional on rocks

**Scientific Name Common Name Notes** 

Pteridaceae

Cryptogramma crispa Parsley Fern Acidic rocks and screes

**Maidenhair Fern Family** 

**Marsh Fern Family** 

Lady-fern Family

Thelypteridaceae

Phegopteris connectilis Beech Fern Woods. Occasional

Woodsiaceae

Athyrium distentifolium Alpine Lady-fern Mountain rocks Athyrium filix-femina Lady-fern Occasional Cystopteris fragilis Brittle Bladder-fern Frequent on rocks Woodsia alpina Alpine Woodsia Rare on cliffs Woodsia ilvensis Oblong Woodsia Rare on scree

**PINOPSIDA CONIFERS** 

Cupressaceae

Juniperus communis subsp. nana Common Juniper Common

**Pinaceae** 

**Pine Family** Occasional in forests Abies alba European Silver-fir Larix decidua Larch Occasional Picea abies Occasional in lower valleys Norway Spruce Pinus cembra Arolla Pine **Forests** Pinus mugo Dwarf Mountain-pine Forests at the treeline Pinus sylvestris Scots Pine Occasional in lower valleys

**Juniper Family** 

**MAGNOLIOPSIDA** FLOWERING PLANTS

**MAGNOLIIDAE DICOTYLEDONS** 

**Carrot Family Apiaceae** 

Aegopodium podagraria Ground Elder Waste places Astrantia minor Lesser Astrantia Common Above Pontresina Bupleurum stellatum Starry Hare's-ear

Woods Chaerophyllum hirsutum Hairy Chervil Chaerophyllum villarsii Villars' Chervil Woods Heracleum sphondylium Hogweed Common Imperatoria ostruthium Masterwort 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 High mountain pasture Unbranched Lovage

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

**Araliaceae Ivy Family** 

Hedera helix lvy Occasional in woods

**Asteraceae Daisy Family** 

Adenostyles alliariae Adenostyles Val Roseg

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

Scientific Name	Common Name	Notes
Achillea erba-rotta subsp. moschata	Musk Milfoil	Rocky places on acidic soils
Achillea millefolium	Yarrow	Frequent
Achillea nana	Dwarf Milfoil	Screes
Antennaria carpatica	Carpathian Cat's-foot	Mountain turf
Antennaria dioica	Cat's-foot	Common
Arnica montana	Arnica	Common
Artemisia genipi	Black Genipi	Screes
Artemisia umbelliformis	Yellow Genipi	Screes and cliffs
Aster alpinus	Alpine Aster	Limestone rocks and turf
Aster bellidiastrum	False Aster	Frequent
Bellis perennis	Daisy	Frequent
Carduus defloratus	Alpine Thistle	Common
Carlina acaulis	Stemless Carline Thistle	Mountain turf
Carlina vulgaris	Common Carline Thistle	Occasional. Lower valleys
Centaurea nervosa	Plume Knapweed	Woods below Alp Grum
Centaurea scabiosa	Greater Knapweed	Meadows
Cicerbita alpina	Alpine Blue-sowthistle	Woods and forests
Cirsium acaule	Dwarf Thistle	Occasional in pasture
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 bocconei	Boccone's Hawk's-beard	Damp pasture
Crepis paludosa	Marsh Hawk's-beard	Wet meadows
Crepis uniflora	One-flowered Hawk's-beard	Rocky pasture
Doronicum clusii	Clusius' Leopard's-bane	Screes
Erigeron acris subsp. politus	Blue Fleabane	Moraines
Erigeron alpinus	Alpine Fleabane	Local
Erigeron neglectus	Neglected Fleabane	Local
Erigeron uniflorus	One-flowered Fleabane	Local
Eupatorium cannabinum	Hemp Agrimony	Lowland
Gnaphthalium norvegicum	Norwegian Cudweed	Occasional in mountain pasture
Gnaphthalium supinum	Dwarf Cudweed	Snowbeds
Hieracium alpinum	Alpine Hawkweed	Frequent
Hieracium angustifolium	Glacier Hawkweed	Morteratsch
Hieracium aurantiacum	Orange Hawkweed	Pontresina
Hieracium hoppeanum		Stony places
Hieracium intybaceum Hieracium lactucella		Stony places
Hieracium murorum		Common Occasional
Hieracium piliferum		
Hieracium piliosella	Mouse-ear Hawkweed	Stony places Common
Hieracium prioseria Hieracium prenanthoides	Mouse-ear Hawkweed	Stony places
Hieracium staticifolium		Morteratsch
Hieracium villosum	Hairy Hawkweed	Stony pasture
Homogyne alpina	Alpine Colt's-foot	Common
Hypochoeris uniflora	Giant Cat's-ear	Above Pontresina
Jacobaea abrotanifolia	Pinnate-leaved Ragwort	Occasional. 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 alpinum	Edelweiss	Limestone turf
200/10podiam alpinam	_30/W0/00	Zimotono tan

#### **Scientific Name**

Leucanthemopsis alpina Leucanthemum atratum agg. Leucanthemum vulgare Matricaria discoidea Mycelis muralis Petasites albus

Petasites albus
Petasites paradoxus
Prenanthes purpurea
Saussurea alpina
Saussurea discolor
Scorzoneroides autumnalis

Senecio doronicum
Senecio ovatus
Senecio rupestris

Senecio vulgaris

Solidago virgaurea subsp. minuta

Stemmacantha rhapontica Taraxacum alpinum Taraxacum officinale Tragopogon pratensis

Tussilago farfara

#### **Betulaceae**

Alnus glutinosa Alnus viridis Betula pendula Betula pubescens

#### Boraginaceae

Anchusa officinalis‡ Echium vulgare Eritrichium nanum Myosotis alpestris Myosotis sylvatica Pulmonaria australis

#### **Brassicaceae**

Arabis alpina subsp. alpina Arabis bellidifolia

Arabis caerulea Arabis ciliata

Arabis soyeri subsp. subcoriacea

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

Cardaminopsis halleri Draba aizoides Draba dubia Draba fladnizensis Draba tomentosa

#### Common Name

Alpine Moon Daisy Common. Mountain rocks
Saw-leaved Moon Daisy Mountain turf
Ox-eye Daisy Meadows
Pineappleweed Ruderal
Wall Lettuce Walls

**Notes** 

White Butterbur Damp meadows
Alpine Butterbur Mountain pasture
Purple Lettuce Forests
Alpine Saw-wort Mountain turf
Heart-leaved Saw-wort Mountain turf
Autumn Hawkbit Stony pasture

Chamois Ragwort Locally common
Wood Ragwort Forests
Rock Groundsel Rocky places
Groundsel Ruderal

Goldenrod Mountain rocks
Giant Stemmacantha Occasional in meadows

Alpine Dandelion Mountain rocks
Dandelion Widespread
Goat's-beard Meadows

Colt's-foot Common. Damp rocky places

#### **Birch Family**

Common Alder Valleys by rivers
Green Alder Mountain scrub
Silver Birch Widespread
Downy Birch Frequent

#### **Borage Family**

Alkanet Garden escape
Viper's Bugloss Waste places

King-of-the-Alps Acidic mountain rocks

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

Southern Lungwort Above Pontresina

#### **Cabbage Family**

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

Corymbose Rock-cress Rocky places
Soyer's Rock-cress Rocky places
Winter-cress Pontresina
Buckler Mustard Rocky places
Shepherd's-purse Widespread

Alpine Bitter-cress Acidic rocks and screes

Large Bitter-cress Streamsides
Mignonette-leaved Bitter-cress Mountain rocks
Haller's Rock-cress Rocky pasture

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

Bald White Whitlowgrass Rocky places
Tomentose Whitlowgrass Limestone rocks

#### **Scientific Name Common Name Notes**

Rocks Kernera saxatilis Kernera Pritzelago alpina **Chamois Cress** Mountain rocks Sisymbrium austriacum Austrian Rocket Waste places Thlaspi perfoliatum Perfoliate Penny-cress Near habitation

#### Campanulaceae **Bellflower Family**

Bearded Bellflower Mountain turf Campanula barbata Campanula cenisia Mt. Cenis Bellflower Scree. Piz Nair. Rare Mountain rocks Campanula cochlearifolia Fairy's-thimble Occasional. Meadows Campanula glomerata Clustered Bellflower Campanula rapunculoides Creeping Bellflower Woods. Celerina Campanula rotundifolia Harebell Common Scheuchzer's Bellflower Mountain turf Campanula scheuchzeri Campanula thyrsoides Yellow Bellflower Surlej and Alp Grum Campanula trachelium Nettle-leaved Bellflower Woods Phyteuma betonicifolium Betony-leaved Rampion Common Phyteuma globulariifolium Globularia-leaved Rampion Alpine rocks Phyteuma hedraianthifolium Rhaetian Rampion Rocks. Lago Bianco Phyteuma hemisphaericum Globe-headed Rampion Acidic rocks Phyteuma orbiculare Round-headed Rampion Meadows. Frequent Phyteuma ovatum Dark Rampion Rocky places. Morteratsch

#### Caprifoliaceae

Phyteuma scheuchzeri

Linnaea borealis Twinflower Locally common in forests Lonicera alpigena Alpine Honeysuckle Forests Lonicera caerulea Blue-berried Honeysuckle Rocky places Lonicera nigra Black-berried Honeysuckle Woods Woods Lonicera xylosteum Fly Honeysuckle Sambucus nigra Common Elder Woods Sambucus racemosa Alpine Elder Frequent

**Pink Family** 

Scheuchzer's Rampion

Honeysuckle Family

### Caryophyllaceae

Arenaria biflora Two-flowered Sandwort Screes Arenaria ciliata Ciliate-leaved Sandwort Screes Cerastium alpinum Alpine Mouse-ear Mountain turf Cerastiun arvense Field Mouse-ear Frequent Cerastium cerastoides Starwort Mouse-ear Rocks and pasture Cerastium fontanum Common Mouse-ear Common Cerastium latifolium Broad-leaved Mouse-ear Moraines and screes

Cerastium pedunculatum Pedunculate Mouse-ear Acidic screes Cerastium uniflorum

One-flowered Mouse-ear Acidic screes

Dianthus carthusianorum subsp. vaginatus Carthusian Pink Local. Open woodland Dianthus superbus

Large Pink Damp turf Wood Pink Rocky places Alpine Gypsophila Frequent Smooth Rupturewort Railway ballast Northern Sandwort Wet mountain turf Alpine rocks and turf

Occasional

Sickle-leaved Sandwort Stony places Rock Sandwort Rocks and screes Vernal Sandwort Stony places

Dianthus sylvestris Gypsophila repens Herniaria glabra Minuartia biflora Minuartia sedoides Mossy Cyphel Minuartia recurva

Minuartia rupestris Minuartia verna Moehringia ciliata Creeping Sandwort Screes

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Scientific	Name	
Scientific	maine	

Sagina procumbens
Sagina saginoides
Saponaria ocymoides
Scleranthus annuus
Silene acaulis
Silene diocia
Silene exscapa
Silene flos-cuculi
Silene nutans
Silene rupestris
Silene vulgaris
Stellaria holostea
Stellaria graminea

#### Chenopodiaceae

Stellaria nemorum

Stellaria media

Blitum virgatum
Chenopodium album

Chenopodium bonus-henricus

#### Cistaceae

Helianthemum nummularium subsp. grandiflorum

Helianthemum oelandicum subsp. alpestre

#### Crassulaceae

Sedum acre
Sedum album
Sedum alpestre
Sedum annuum
Sedum atratum
Sedum dasyphyllum
Sedum hispanicum
Sedum villosum

Sempervivum arachnoideum Sempervivum montanum Sempervivum tectorum Sempervivum wulfenii

### Dipsacaceae

Knautia dipsacifolia Scabiosa columbaria Scabiosa lucida

#### Droseraceae

Drosera intermedia Drosera rotundifolia

#### **Empetraceae**

Empetrum nigrum subsp. hermaphroditum

#### **Common Name**

Procumbent Pearlwort Common

Alpine Pearlwort Alpine turf and screes

**Notes** 

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

Ragged-Robin Wet meadows. Celerina Nottingham Catchfly Rocks and meadows

Rock Campion Rocks
Bladder Campion Meadows
Greater Stichwort Occasional

Lesser Stitchwort Woods and meadows

Common Chickweed Occasional Wood Stitchwort Woods

#### **Goosefoot Family**

Strawberry Goosefoot Occasional. Pontresina
Fat-hen Occasional weed
Good-King-Henry Frequent weed

#### **Rock-rose Family**

Large-flowered Common
Rockrose
Alpine Rockrose
Rockrose
Rocky places
Calcareous turf

#### **Stonecrop Family**

Biting Stonecrop Frequent
White Stonecrop Stony places
Alpine Stonecrop Mountain rocks

Annual Stonecrop Moraines. Morteratsch
Dark Stonecrop Mountain rocks
Thick-leaved Stonecrop Walls and rocks
Spanish Stonecrop Riverside. Hotel Palu

Pink Stonecrop Acidic flushes. Rare. Val Roseg

Cobweb Houseleek

Mountain Houseleek

Common. Stony places

Common Houseleek

Common. Stony places

Common Houseleek

Occasional. Rocky turf

Wulfen's Houseleek

Occasional. Rocky turf

#### **Teasel Family**

Wood Scabious Shady places
Small Scabious Occasional
Shining Scabious Meadows

#### **Sundew Family**

Intermediate Sundew Bogs Round-leaved Sundew Bogs

#### **Crowberry Family**

Hermaphrodite Crowberry Acidic heaths

#### Scientific Name Common Name Notes

EricaceaeHeath FamilyArctostaphylos alpinusAlpine BearberryLimestone turf and screes

Arctostaphylos uva-ursiBearberryRocky pastureCalluna vulgarisLingFrequent

Erica carneaSpring HeathLimestone rocksKalmia procumbensTrailing AzaleaAcidic heathsRhododendron ferrugineumAlpenroseCommon

Rhododendron hirsutum

Hairy Alpenrose

Limestone rocks

Vaccinium myrtillusBilberryCommonVaccinium uliginosumBog WhortleberryCommonVaccinium vitis-idaeaCowberryCommon

Euphorbiaceae Spurge Family

Euphorbia cyparissias Cypress Spurge Frequent on limestone

Fabaceae Pea Family

Anthyllis vulneraria subsp. alpestrisAlpine Kidney VetchMountain pastureAstragalus alpinusAlpine Milk-vetchMountain turfAstragalus australisSouthern Milk-vetchMountain turfAstragalus frigidusPallid Milk-vetchLimestone pasture

Astragalus glycyphyllos Wild Liquorice Local

Astragalus penduliflorus Mountain Lentil Pasture and stony places. Local

Hedysarum hedysaroidesAlpine SainfoinMountain pastureHippocrepis comosaHorseshoe VetchCommon on limestone

Lathyrus pratensisMeadow VetchlingMeadowsLotus alpinusAlpine Bird's-foot TrefoilMountain turfLotus corniculatusBird's-foot TrefoilMeadowsMedicago lupulinaBlack MedickCommon

Medicago sativa‡LucerneOccasionalMelilotus albusWhite MelilotWaste placesMelilotus officinalisRibbed MelilotWaste placesOnobrychis arenariaSmall SainfoinOccasional

Onobrychis montanaMountain SainfoinMountain pastureOnobrychis viciifoliaSainfoinOccasional

 Oxytropis campestris
 Yellow Milk-vetch
 Common in pasture

 Oxtropis jacquinii
 Mountain Milk-vetch
 Stony places on limestone

Oxytropis lapponica Northern Milk-vetch Stony places
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 pratenseRed CloverMeadowsTrifolium repensWhite CloverCommonTrifolium thaliiThal's CloverMountain turfVicia craccaTufted VetchFrequent

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 x charpentieri ( G. lutea x G. punctata ) Charpentier's Gentian With both parents
Gentiana clusii Clusius' Gentian Limestone turf

#### **Scientific Name**

Gentiana lutea
Gentiana nivalis
Gentiana orbicularis
Gentiana punctata
Gentiana verna
Gentianella campestris
Gentianella ramosa
Gentianella tenella

#### Geraniaceae

Geranium pyrenaicum Geranium robertianum Geranium sylvaticum

#### Globulariaceae

Globularia cordifolia Globularia nudicaulis

#### Hypericaceae

Hypericum maculatum

#### Lamiaceae

Ajuga pyramidalis
Ajuga reptans
Clinopodium alpinum
Clinopodium vulgare
Dracocephalum ruyschiana
Galeopsis tetrahit
Horminum pyrenaicum
Lamiastrum galeobdolon
Lamium album

Lamium album
Lamium amplexicaule
Lamium purpureum
Prunella grandiflora
Prunella vulgaris
Salvia pratensis
Teucrium montanum
Thymus polytrichus

#### Lentibulariaceae

Pinguicula alpina Pinguicula leptoceras Pinguicula vulgaris

#### Linaceae

Linum catharticum

#### Onagraceae

Chamerion angustifolium Epilobium alpestre Epilobium alsinifolium Epilobium anagallidifolium Epilobium fleischeri

#### **Common Name**

**Great Yellow Gentian** Limestone pasture **Snow Gentian** Mountain turf Orbiculate-leaved Gentian Occasional **Spotted Gentian** Mountain pasture Spring Gentian Common Field Gentian Pasture **Branched Gentian** Pasture Slender Gentian Local

**Notes** 

#### Crane's-bill Family

Pyrenean Crane's-bill Common
Herb Robert Common
Wood Crane's-bill Common

#### **Globularia Family**

Matted Globularia Frequent on limestone Leafless-stemmed Globularia Frequent on limestone

#### St John's-wort Family

Imperforate St John's-wort

#### **Dead-nettle Family**

Pyramidal Bugle Locally common Common Bugle Common

Alpine Calamint Rocky turf on limestone

Frequent

Wild Basil Frequent

Northern Dragon-head Open forest. Rare
Common Hemp-nettle Occasional
Dragon-mouth Val Minor

Yellow Archangel Woods. Alp Grum

White Dead-nettle Frequent
Henbit Dead-nettle Waste places
Purple Dead-nettle Waste places
Large-flowered Self-heal Meadows
Self-heal Common

Meadow Clary Roadside banks. Pontresina
Mountain Germander Limestone rocks. Chantarella

Wild Thyme Common

#### **Butterwort Family**

Alpine Butterwort Mountain turf and rocks

Southern Butterwort Wet flushes
Common Butterwort Wet flushes

#### Flax Family

Fairy Flax Common

#### Willowherb Family

Rosebay Willowherb Occasional
Whorled-leaved Willowherb Frequent
Chickweed Willowherb Frequent
Alpine Willowherb Frequent

Fleischer's Willowherb River gravels and moraines

Parnassia palustris

Damp flushes

Scientific Name	Common Name	Notes
Epilobium montanum	Broad-leaved Willowherb	Occasional
Oxalidaceae	Wood-sorrel Family	
Oxalis acetosella	Wood-sorrel	Shaded rocks
Papaveraceae	Poppy Family	

Papaver aurantiacumRhaetic PoppyScree. LocalPapaver croceumIslandic PoppyRiver gravels.ParnassiaceaeGrass-of-Parnassus Family

Grass-of-Parnassus

**Plantaginaceae Plantain Family** Plantago alpina Alpine Plantain Mountain turf Plantago atrata Dark Plantain Mountain turf Ribwort Plantain Plantago lanceolata Occasional Plantago major Greater Plantain Occasional Plantago media Hoary Plantain Occasional Plantago serpentina Fleshy Plantatin Frequent

PolemoniaceaeJacob's-ladder FamilyPolemonium caeruleumJacob's-ladderLimestone rocks

PolygalaceaeMilkwort FamilyPolygala alpestrisMountain MilkwortCommonPolygala alpinaAlpine MilkwortMountain turfPolygala chamaebuxusShrubby MilkwortFrequentPolygala vulgarisCommon MilkwortFrequent

Polygonaceae **Dock Family** Oxyria digyna Mountain Sorrel Rocks and screes Pesicaria bistorta Common Bistort Meadows Persicaria vivipara Alpine Bistort Common Rumex acetosa Common Sorrel Widespread Rumex acetosella Sheep's Sorrel Acidic pasture Widespread Rumex alpestris Alpine Sorrel Rumex alpinus Monk's-rhubarb Disturbed 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 obtusifolia Blunt-leaved Rock Jasmine Limestone turf Primula x berninae ( P. latifolia x P. hirsuta ) A hybrid Primrose Val Minor Primula elatior Snowbeds qilxO Primula farinosa Bird's-eye Primrose Mountain turf Primula halleri Long-flowered Primrose Rare. Below Alp Grum Primulax heerii ( P.hirsutax P. integrifolia ) A hybrid Primrose Val Minor

Primulax heerii ( P.hirsutax P. integrifolia )A hybrid PrimroseVal MinorPrimula hirsutaHairy PrimroseMountain rocksPrimula integrifoliaEntire-leaved PrimroseCommon. Wet turfPrimula latifoliaBroad-leaved PrimroseLocally commonPrimulax muretiana ( P. integrifolia x P.latifolia )A hybrid PrimroseFuorcla SurlejSoldanella alpinaAlpine SnowbellMountain turf

#### Scientific Name Common Name Notes

Soldanella pusilla Dwarf Snowbell Wet turf
Trientalis europaea Chickweed Wintergreen Local in forest

Pyrolaceae Wintergreen Family

Moneses unifloraOne-flowered WintergreenForestOrthilia secundaSerrated WintergreenForestPyrola minorLesser WintergreenForest

### Ranunculaceae Buttercup Family

Aconitum lycoctonum subsp. vulparia Wolf's-bane Frequent. Forests
Aconitum napellus agg. Monk's-hood Damp pasture

Aconitum napellus subsp. vulgare

Aconitum variegatum subsp. paniculatum

Compact Monk's-hood

Damp pasture

Variegated Monk's-hood

Damp pasture

Appendix participation of the pasture o

Aconium variegatum subsp. paniculatum

Anemone narcissiflora

Aquilegia alpina

Alpine Columbine

Caltha palustris

Marsh Marigold

Alpine Clematis

Alpine Clematis

Alpine Clematis

Forest and pasture

 Delphinium elatum
 Alpine Larkspur
 Calcareous pasture

 Pulsatilla alpina subsp. apiifolia
 Alpine Pasqueflower
 Mountain pasture

 Pulsatilla varratia
 Spring Pasqueflower
 Mountain pasture

Pulsatilla vernalisSpring PasqueflowerMountain pastureRanunculus aconitifoliusAconite-leaved ButtercupForest

Ranunculus acris

Ranunculus alpestris

Ranunculus glacialis

Ranunculus kuepferi

Ranunculus montanus

Meadow Buttercup

Common

Common

Alpine Buttercup

Kupfer's Buttercup

Mountain turf

Mountain Buttercup

Mountain turf

Ranunculus platanifoliusMaple-leaved ButtercupRare in open forestRanunculus repensCreeping ButtercupMeadowsRanunculus villarsiiVillars' ButtercupPastureThalictrum aquilegiifoliumGreat Meadow-rueMeadowsThalictrum foetidumStinking Meadow-ruePasture

Thalictrum minusLesser Meadow-ruePastureTrollius europaeusGlobeflowerDamp pasture

#### Rhamnaceae Buckthorn Family

Rhamnus pumilus Dwarf Buckthorn Mountain Rocks

#### Rosaceae Rose Family

Alchemilla alpinaAlpine Lady's-mantleCommonAlchemilla conjunctaSilver Lady's-mantleFrequentAlchemilla glabraSmooth Lady's-mantleFrequentAlchemilla hybrida agg.Hybrid Lady's-mantleOccasional

Alchemilla pentaphyllea Cut-leaved Lady's-mantle Damp mountain turf

Alchemilla vulgaris agg.Lady's-mantleCommonAlchemilla xanthochloraPale Lady's-mantleFrequentCotoneaster integerrimaWild CotoneasterRocks

Dryas octopetala Mountain Avens Mountain rocks and scree

Filipendula ulmaria Meadowsweet Meadows

Fragaria vescaWild StrawberryWoods and pastureGeum montanumAlpine AvensMountain turf

Geum reptansCreeping AvensAlpine rocks and screeGeum rivaleWater AvensOccasional. Wet places

Potentilla anserina Silverweed Waste places

**Notes** 

#### Scientific Name Common Name

Potentilla argentea Hoary Cinquefoil Rocky places, open woods Golden Cinquefoil Occasional. Mountain turf Potentilla aurea Potentilla brauneana **Dwarf Cinquefoil** Snowbeds on limestone Potentilla crantzii Alpine Cinquefoil Common. Mountain turf Potentilla erecta Tormentil Acidic turf Potentilla frigida Glacier Cinquefoil Acidic alpine rocks Potentilla grandiflora Large-flowered Cinquefoil Acidic pasture Potentilla nivea **Snowy Cinquefoil** Piz Nair. Marsh Cinquefoil Marshes. Local Potentilla palustris Rock Cinquefoil Potentilla rupestris Local Poterium sanguisorba Salad Burnet Widespread Rosa canina Dog-rose Wooded slopes Frequent. Mountains Rosa pendulina Alpine Rose Rubus idaeus Raspberry Woods Rubus saxatilis Stone Bramble Occasional. Rocky places Sanguisorba officinalis **Great Burnet** Meadows Sibbaldia procumbens Sibbaldia Stony places in mountains Sorbus aria Whitebeam Occasional in forest Sorbus aucuparia Rowan Woods and scrub Sorbus chamaemespilus False Medlar Mountain scrub

Rubiaceae Madder Family

Crosswort Meadows Cruciata laevipes **Dwarf Bedstraw** Galium anisophyllum Frequent Galium boreale Northern Bedstraw Occasional. Grassy places Galium mollugo Hedge Bedstraw Occasional Galium odoratum Woodruff Woods Galium pumilum Slender Bedstraw Frequent

Galium verum Lady's Bedstraw Meadows

Salicaceae Willow Family

Populus tremulaAspenOccasionalSalix auritaEared WillowFrequentSalix breviserrataFinely-toothed WillowOccasionalSalix capreaGoat WillowLowland woods

Salix eleagnos Hoary Willow Occasional. Streamsides

Val da Fain Salix foetida Stinking Willow Salix glaucosericea Silky Willow Occasional Salix hastata Large-stipuled Willow Occasional Alpine Willow Mountain turf Salix hegetschweileri Salix helvetica Swiss Willow Rare. Val Muragl Salix herbacea Least willow Mountain turf

 Salix laggeri
 Lagger's Willow
 Occasional

 Salix myrsinites
 Whortle-leaved Willow
 Mountain turf

 Salix reticulata
 Net-leaved Willow
 Mountain rocks and turf

 Salix reticulata
 Pature leaved Willow
 Mountain rocks and turf

Salix retusaRetuse-leaved WillowMountain rocks and turfSalix serpyllifoliaThyme-leaved WillowMountain rocks and turf

Santalaceae Bastard-toadflax Family

Thesium alpinumAlpine Bastard-toadflaxOccasional. PastureThesium pyrenaicumPyrenaean Bastard-toadflaxRocky pasture

#### Scientific Name Common Name Notes

### Saxifragaceae

Chrysosplenium alternifolium Saxifraga aizoides Saxifraga androsacea

Saxifraga aspera Saxifraga bryoides Saxifraga caesia

Saxifraga exarata subsp. exarata Saxifraga exarata subsp. moschata

Saxifraga oppositifolia Saxifraga paniculata Saxifraga seguieri Saxifraga stellaris

### Scrophulariaceae

Bartsia alpina
Chaenorrhinum minus
Digitalis grandiflora
Euphrasia alpina
Euphrasia minima
Euphrasia rostkoviana

Euphrasia salisburgensis

Linaria alpina Linaria vulgaris

Melampyrum pratense Melampyrum sylvaticum Pedicularis foliosa Pedicularis kerneri Pedicularis oederi

Pedicularis palustris

Pedicularis recutita
Pedicularis rostratospicata
Pedicularis tuberosa
Pedicularis verticillata
Rhinanthus alectorolophus

Rhinanthus glacialis
Rhinanthus minor
Verbascum nigrum
Veronica alpina
Veronica aphylla
Veronica beccabunga
Veronica bellidioides
Veronica chamaedrys
Veronica fruticans
Veronica fruticulosa

Tamaricacae

Myricaria germanica

Veronica officinalis

Veronica urticifolia

Veronica serpyllifolia

#### Saxifrage Family

Alternate-leaved Golden-saxifrage
Yellow Saxifrage
Scree Saxifrage
Damp screes and rocks

Rough Saxifrage Rocky places
Mossy Saxifrage Rocky places

Blue Saxifrage Limestone scree and turf

White Musky Saxifrage Rocky places
Musky Saxifrage Rocky places

Purple Saxifrage Moraines and screes
Livelong Saxifrage Rocks and cliffs

Seguier's Saxifrage Damp alpine turf and rocks

Starry Saxifrage Wet acidic flushes

#### **Figwort Family**

Alpine Bartsia Alpine turf
Small Toadflax Railway tracks
Large Yellow Foxglove Local. Woods
Alpine Eyebright Mountain turf
Dwarf Eyebright Mountain rocks
Common Eyebright Meadows
Irish Eyebright Pasture

Alpine Toadflax Screes and rocky places

Common Toadflax
Common Cow-wheat
Small Cow-wheat
Leafy Lousewort
Kerner's Lousewort
Crimson-tipped Lousewort
Marsh Lousewort
Cocasional
Forest
Limestone turf
Alpine turf
Alpine turf
Marsh Lousewort
Marshes

Beakless Red Lousewort Wet pasture. Val Muragl

Flesh-pink Lousewort Val Muragl

Long-beaked Yellow Lousewort Acidic mountain turf
Whorled Lousewort Mountain turf
Greater Yellow-rattle Meadows
Glacier Yellow-rattle Occasional

Yellow-rattle Frequent Dark Mullein Lowland Alpine Speedwell Stony pasture Leafless-stemmed Speedwell Stony pasture **Brooklime** Wet places Violet Speedwell Acidic pasture Germander Speedwell Occasional Rock Speedwell Mountain rocks

A Rock Speedwell Rocky moraines. Morteratsch

Heath Speedwell Woods and banks

Thyme-leaved Speedwell Common Nettle-leaved Speedwell Woods

#### **Tamarisk Family**

German Tamarisk River gravels. Morteratsch

Scientific Name Common Name Notes

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

Violaceae Violet Family

Viola bifloraYellow Wood VioletCommonViola calcarataLong-spurred PansyLocally common

Viola palustrisMarsh VioletCommonViola rivinianaCommon Dog-violetCommon

Viola rupestris Teesdale Violet Limestone meadows

Viola tricolor Wild Pansy Waste places

LILIIDAE MONOCOTYLEDONS

Amaryllidaceae Daffodil Family

Allium schoenoprasum Chives Occasional

Allium victorialis Alpine Leek Local. Alp Grum

Asparagaceae Asparagus Family

Convallaria majalis Lily-of-the-Valley Occasional Maianthemum bifolium May Lily Forests

Paradisea liliastrum St Bruno's Lily Local. Pasture

Polygonatum multiflorumSolomon's-sealWoodsPolygonatum odoratumAngular Solomon's-sealWoods

Polygonatum verticillatum Whorled Solomon's Seal Woods and Juniper scrub

Colchicaceae Meadow Saffron Family

Carex parviflora

Colchicum autumnale Meadow Saffron Occasional. Meadows

Cyperaceae Sedge Family

Carex atrata subsp. aterrima Black Alpine Sedge Wet pasture. Frequent

Carex atrata subsp. atrataBlack Alpine SedgeFrequentCarex canescensWhite SedgeWet heathsCarex capillarisHair SedgeRocky placesCarex curvulaCurved SedgeLocally dominant

Carex davallianaDavall's SedgeFrequentCarex echinataStar SedgeCommon

Carex ferruginea Rusty Sedge Locally dominant on limestone

Carex flaccaGlaucous SedgeCommonCarex nigraBlack SedgeCommonCarex ornithopodaBird's-foot SedgeFrequentCarex pallescensPale SedgeFrequentCarex paniceaCarnation SedgeCommon

Carex pauciflora Few-flowered Sedge Oligotrophic flushes

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Small-flowered Sedge

Frequent

Scientific Name	Common Name
Carex sempervirens	Evergreen Sedge

Eleocharis quinqueflora FewEriophorum angustifolium Com
Eriophorum latifolium Broa
Eriophorum scheuchzeri Sche
Eriophorum vaginatum Hare
Trichophorum alpinum Cotto
Trichophorum cespitosum Deer

Trichophorum pumilum

Iridaceae

Crocus vernus subsp. albiflorus

Juncaceae
Juncus alpinoarticulatus

Juncus filiformis
Juncus jacquinii
Juncus trifidus
Juncus triglumis
Luzula alpinopilosa
Luzula lutea

Luzula multiflora Luzula nivea Luzula spicata Luzula sudetica Luzula sylvatica

Juncaginaceae

Triglochin palustris

Liliaceae

Gagea fistulosa Gagea serotina

Lilium bulbiferum subsp. croceum

Lilium martagon

Streptopus amplexifolius

Melanthiaceae

Paris quadrifolia Veratrum album

Orchidaceae

Chamorchis alpina
Coeloglossum viride
Corallorhiza trifida
Dactyrorhiza cruenta
Dactylorhiza fuchsii
Dactylorhiza maculata
Dactylorhiza majalis
Gymnadenia conopsea
Gymnadenia rhellicani

Gymnadenia rubra

vergreen Sedge Common

Few-flowered Spike-rush Wet flushes. Val da Fain

**Notes** 

Common Cottongrass Common
Broad-leaved Cottongrass Wet places
Scheuchzer's Cottongrass Lakes and pools
Hare's-tail Cottongrass Occasional
Cotton Deergrass Valley bogs
Deergrass Common

Dwarf Deergrass Mountain pasture

Iris Family

Spring Crocus Common

**Rush Family** 

Alpine Rush Wet mountain pastures

Thread Rush Occasional Jacquin's Rush Frequent Three-leaved Rush Acidic turf

Three-flowered Rush Wet flushes. Val da Fain
Alpine Wood-rush Mountain pasture
Yellow wood-rush Mountain pasture
Heath Wood-rush Mountain pasture

Snowy Wood-rush Woods

Spiked Wood-rush Mountain pasture
Sudetic Wood-rush Occasional
Great Wood-rush Woods

**Arrowgrass Family** 

Marsh Arrowgrass Local. Wet flushes

**Lily Family** 

A Yellow Star-of-Bethlehem Locally common Snowdon Lily Mountain turf

Orange Lily Woods and cliffs. Local

Martagon Lily Woods

Streptopus Woods. Cavaglia

**Herb-Paris Family** 

Herb-Paris Forest. Val Roseg White False-helleborine Mountain pasture

**Orchid Family** 

Dwarf Orchid Screes and mountain turf. Local

Frog Orchid Frequent
Coralroot Orchid Forests

Flecked Marsh-orchid Calcareous flushes. Local

Common Spotted-orchid Common Heath Spotted-orchid Common

Broad-leaved Marsh-orchid Wet pasture. Common

Fragrant-orchid Common

Short-spurred Fragrant-orchid Locally common Vanilla Orchid Locally common Red Vanilla Orchid Locally common

#### **Scientific Name Common Name Notes** Gymnadenia x suaveolens (G. conopsea x G. A hybrid orchid Local rhellicani) Neottia cordata Lesser Twayblade Rare Neottia ovata Twayblade Occasional, Meadows Orchis mascula Early-purple Orchid Locally common Platanthera bifolia Local. Grassland Lesser Butterfly-orchid Platanthera chlorantha Greater Butterfly-orchid Rare Pseudorchis albida Small-white Orchid Common Traunsteinera globosa Round-headed Orchid Local. Chantarella **Grass Family** Poaceae Agropyron repens Common Couch Waste places Agrostis capillaris Common Bent Common Anthoxanthum alpinum Alpine Vernal-grass Common Anthoxanthum odoratum Sweet Vernal-grass Common Arrhenatherum elatius False Oat-grass Occasional Brachypodium sylvaticum False Brome Forests, Common Briza media Quaking-grass Common Bromus hordeaceus Soft Brome Lowland Cynosurus cristatus Crested Dog's-tail Meadows Dactylis glomerata Cock's-foot Waste places Wet turf. Common Deschampsia cespitosa **Tufted Hair-grass** Deschampsia flexuosa Wavy Hair-grass Common Festuca ovina Sheep's-fescue Common Festuca rubra Red Fescue Common Festuca violacea Violet Fescue Mountains. Common 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 uniflora Wood Melick Frequent Molinia caerulea Purple Moor-grass Oligotrophic flushes Nardus stricta Mat-grass Common Oreochloa disticha An Oreochloa Alpine Rocks Phleum alpinum Alpine Timothy Common Phleum pratense Timothy Meadows 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

Tofieldiaceae Scottish Asphodel Family

Sesleria caerulea

Tofieldia calyculata Tofield's Asphodel Common

Tofieldia pusilla Scottish Asphodel Rare. Wet flushes

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Blue Moor-grass

Limestone

Birds (✓= recorded but not counted)

			July							
C	Common name	Latin name	6	7	8	9	10	11	12	13
1	Mallard	Anas platyrhynchos	✓							
2	Tufted Duck	Aythya fuligula	✓					✓		
3	Little Grebe	Tachybaptus ruficollis	✓							
4	Great Crested Grebe	Podiceps cristatus	<b>✓</b>							✓
5	Grey Heron	Ardea cinerea	<b>✓</b>							
6	Red Kite	Milvus milvus	<b>✓</b>							✓
7	Common Kestrel	Falco tinnunculus	✓						✓	
8	Eurasian Coot	Fulica atra	✓							
9	Black-headed Gull	Chroicocephalus ridibundus	<b>✓</b>							
10	Yellow-legged Gull	Larus michahellis	✓							✓
11	Eurasian Collared Dove	Streptopelia decaocto	✓							✓
12	Common Swift	Apus apus			✓		✓	✓	✓	
13	Great Spotted Woodpecker	Dendrocopos major			<b>✓</b>	<b>✓</b>	<b>✓</b>			
14	European Green Woodpecker	Picus viridis	<b>✓</b>							
15	Spotted Nutcracker	Nucifraga caryocatactes		<b>✓</b>	<b>√</b>			<b>√</b>	<b>√</b>	
16	Alpine Chough	Pyrrhocorax graculus					<b>✓</b>	✓	✓	
17	Carrion Crow	Corvus corone		<b>✓</b>	✓		<b>✓</b>	✓	<b>√</b>	
18	Northern Raven	Corvus corax		<b>✓</b>	<b>✓</b>				<b>√</b>	
19	Coal Tit	Periparus ater		<b>✓</b>	<b>✓</b>				<b>√</b>	
20	European Crested Tit	Lophophanes cristatus							<b>√</b>	
21	Great Tit	Parus major		<b>✓</b>	<b>✓</b>					
22	Eurasian Crag Martin	Ptyonoprogne rupestris	<b>✓</b>				<b>✓</b>	<b>✓</b>	<b>✓</b>	
23	Barn Swallow	Hirundo rustica	<b>✓</b>							
24	Common House Martin	Delichon urbica	<b>✓</b>				<b>✓</b>			
25	Common Chiffchaff	Phylloscopus collybita			<b>✓</b>			<b>✓</b>		
26	Eurasian Blackcap	Sylvia atricapilla			<b>✓</b>					
27	Lesser Whitethroat	Sylvia curruca			<b>✓</b>					
28	Eurasian Nuthatch	Sitta europaea						<b>✓</b>		
29	Common Blackbird	Turdus merula	<b>✓</b>							
30	Fieldfare	Turdus pilaris		<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>		
31	Mistle Thrush	Turdus viscivorus		<b>✓</b>	<b>✓</b>			<b>✓</b>	<b>✓</b>	
32	Black Redstart	Phoenicurus ochruros		<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	
33	European Stonechat	Saxicola rubicola					<b>✓</b>	<b>✓</b>		
34	Northern Wheatear	Oenanthe oenanthe		<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	
35	White-throated Dipper	Cinclus cinclus		<b>✓</b>				<b>✓</b>		
36	House Sparrow	Passer domesticus	<b>/</b>	<b>✓</b>						
37	White-winged Snowfinch	Montifringilla nivalis			<b>✓</b>	<b>✓</b>		<b>✓</b>	<b>✓</b>	
38	Alpine Accentor	Prunella collaris					<b>✓</b>			
39	Grey Wagtail	Motacilla cinerea		<b>✓</b>			<b>✓</b>	<b>√</b>		
40	White Wagtail	Motacilla alba		✓	<b>✓</b>	<b>✓</b>	· ✓	✓	<b>√</b>	
41	Tree Pipit	Anthus trivialis				· ·	<u> </u>			
42	Water Pipit	Anthus spinoletta				<u> </u>		<b>✓</b>	<b>✓</b>	
43	Common Chaffinch	Fringilla coelebs		<b>✓</b>	<b>✓</b>		<b>✓</b>	<b>✓</b>	<b>✓</b>	
44	Common Redpoll	Carduelis flammea		<u> </u>	<b>✓</b>		· /	<b>✓</b>		
45	Common Linnet	Linaria cannabina		<b>✓</b>	,		<u> </u>	<b>✓</b>		
70	Common Linnet	Linana varinavina						, ·		

### Mammals

1	Red Squirrel	Sciurus vulgaris				✓		
2	Alpine Marmot	Marmota marmota		✓	✓	✓	✓	

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			July							
	Common name	Latin name	6	7	8	9	10	11	12	13
3	Roe Deer	Capreolus capreolus						✓		

# Amphibians

### Butterflies (with thanks to Geoff and Margaret Adams)

1	Swallowtail	Papilio machaon		L	L			
2	Apollo	Parnassius apollo			✓			
3	Mountain Clouded Yellow	Colias phicomone				✓	✓	
4	Black-veined White	Aporia crataegi	✓			✓		
5	Mountain green-veined White	Pieris bryoniae	✓					
6	Large Copper	Lycaena dispar	✓					
7	Sooty Copper	Lycaena tityrus	✓					
8	Purple-edged Copper	Palaeochrysophanus hippothoe	✓		✓			
9	Small Blue	Cupido minimus	✓	✓	✓	<b>✓</b>	<b>✓</b>	
10	Large Blue	Maculinea arion	✓		✓		✓	
11	Silver-studded Blue	Plebejus argus			✓	✓	<b>✓</b>	
12	Geranium Argus	Aricia eumedon	✓					
13	Brown Argus	Aricia agestis					<b>✓</b>	
14	Glandon Blue	Agriades glandon		✓				
15	Alpine Blue	Albulina orbitulus				✓		
16	Mazarine Blue	Cyaniris semiargus	✓	✓	✓	✓		
17	Small Tortoiseshell	Aglais urticae			L			
18	Niobe Fritillary	Argynnis niobe	✓					
19	Shepherd's Fritillary	Boloria pales						
20	Titania's Fritillary	Boloria titania				✓		
21	Knapweed Fritillary	Melitaea phoebe	✓					
22	False Heath Fritillary	Melitaea diamina	✓					
23	Heath Fritillary	Melitaea athalia	✓					
24	Blind Ringlet	Erebia pharte			✓			
25	Bright-eyed Ringlet	Erebia oeme	✓					
26	Arran Brown	Erebia ligea	✓					
27	Almond-eyed Ringlet	Erebia alberganus	✓					
28	Piedmont Ringlet	Erebia meolans	✓					
29	Alpine Heath	Coenonympha gardetta	✓		✓	✓		
30	Large Wall Brown	Lasiommata maera	✓					
31	Olive Skipper	Pyrgus serratulae	✓		✓		<b>✓</b>	
32	Oberthur's Grizzled Skipper	Pyrgus armoricanus				✓		
33	Large Grizzled Skipper	Pyrgus alveus				✓		
34	Dingy Skipper	Erynnis tages	✓					
35	Large Skipper	Ochlodes venatus			✓			

### Moths (L = lava)

1	Six-spot Burnet	Zygaena filipendulae	✓					
2	Chimney Sweeper	Odezia atrata		✓	✓	✓		
3	Lackey Moth	Malacosoma neustria				L		