# Norway - Alpine Flowers of the Gol Plateau

Naturetrek Tour Report

12 - 19 July 2008



Hardanger Glacier



Twinflower - Linnaea borealis



Pyrola norvegica



Idas Blue

Report and images compiled by Paul Harmes



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# Day 1

# Saturday 12th July

Weather: fine & bright at Heathrow. Fine, warm & sunny in Oslo & Kamben, with occasional showers en route

Two group members, Judith and Jack, met Paul at Heathrow for the Scandinavian Airlines flight to Oslo. Having completed immigration formalities and collected our luggage, we made our way out into the arrivals area where we met up with Anne, Gina and Peter, who had all arrived independently. We located our bus driver, Anders, quickly loaded our luggage and made our way out of the airport and onto the road to Gol. Common Buzzard and Common Kestrel were seen as we went, together with *Campanula latifolia* (Giant Bellflower). After stopping for lunch at the Rustad Kafe in Sokna, we continued our journey up to Gol then up to Golsfjellet and the Kamben Hoyfjellshotel, which was to be our base for the week. Here we were met and welcomed by Martin, the proprietor.

After settling into our rooms, we made a short excursion round the hotel to familiarise ourselves with some of the species of the area. These included *Betula nana* (Dwarf Birch), *Aconitum septentrionale* (Northern Wolf's-bane), *Cirsium heterophyllum* (Melancholy Thistle) and *Geum rivale* (Water Avens). After this we returned to the hotel to prepare for dinner.

# Day 2

# Sunday 13th July

# Weather: fine, bright morning then heavy rain & hail; sunny periods & showers later on

Our first full day of the tour was spent exploring the boreal forests of the Gol Plateau. Leaving the hotel at 9am, we were driven down to Hanningan by Martin. We began by looking at a small patch of *Astragalus alpinus* (Alpine Milk Vetch) and some splendid stands of *Aconitum septentrionale* (Northern Wolf's-bane), *Geranium sylvaticum* (Wood Crane's-bill) and a single plant of *Thalictrum alpinum* (Alpine Meadow Rue).

After about half a mile we left the road and entered the forest. It was not long before Judy found *Monesis uniflora* (Single-flowered Wintergreen). Also found on the edge of the path was *Neottia cordata* (Lesser Twayblade) and *Trientalis europaea* (Chickweed Wintergreen). Many sedges and rushes were evident in the very wet flushes and *Lycopodium annotinum* (Interrupted Clubmoss), *Coeloglossum viride* (Frog Orchid) and *Gymnadenia conopsea subsp. densiflora* (Fragrant Orchid) were all found. The path we were following took us to the small hamlet of Skutuset. Just before leaving the wood, we found a small clearing where we had lunch.

During the morning we had some brief but clear views of Siberian Jay and Willow Warbler, and we also identified an Idas Blue Butterfly. From Skutuset we turned south towards the village of Brautemo, passing through more boreal forest littered with lichen-covered rocky outcrops and interspersed with more wet flushes, mires and streams. As we were walking through the forest we disturbed several Capercaillie, which took to the air. *Pyrola minor* (Common Wintergreen) and *Orthillia secunda* (One-sided Wintergreen) were also found. Descending the last few hundred metres, we came out onto the main road where Martin was waiting to take us back to the hotel for dinner.

When we got back to Kamben, David and Janet were there to meet us, having arrived during the afternoon, thus completing the group. We were entertained by a pair of Cranes in the meadow below the hotel.

# Day 3

# Monday 14th July

# Weather: cloudy but bright with occasional light showers

Today, Martin dropped us off at the village of Solseter, halfway between our hotel and Gol. Here we took the path, which crosses the road in several places, down to the town of Gol. The early part of the route was through more semi-open wet forest where we found *Potentilla palustris* (Marsh Cinquefoil), *Populus tremula* (Aspen) and a small group of *Pinus contorta* (Lodgepole Pine), an American import. Several magpies and Willow Warblers were also heard. As we moved lower the habitat changed to a series of meadows and track verges with species such as *Galeopsis tetrahit* (Common Hemp-nettle), *Pimpinella saxifraga* (Lesser Burnet Saxifrage), *Carum carvi* (Caraway) and *Sedum telephium* (Orpine). We also came across some nice patches of *Vicia sylvatica* (Wood Vetch). Finally, we passed through *Pinus sylvestris* (Scots Pine) and *Picea abies* (Norway Spruce) woodland. This held such goodies as *Arctostaphyllus uva-ursi* (Bearberry), *Goodyeara repens* (Creeping Ladies Tresses) and *Vaccinium vitis-idaea* (Cowberry).

Lunch was taken in some boulder-strewn woodland just off the path. Continuing on down the path we saw Common Blue and Arran Brown Butterflies. Further on we added *Phegopteris connectilis* (Beech Fern) and *Anthyllis filix-femina* (Lady Fern). The path emerged from the woodland next to an electricity substation, and on a pile of adjacent rocks we found *Asplenium septentrionale* (Forked Spleenwort), *Gymnocapium dryopteris* (Parsley Fern), *Polypodium vulgare* (Common Polypody) and a good stand of *Carduus crispus* (Welted Thistle). The path comes out on the outskirts of Gol, where we all took some time to look round and do a little shopping, as well as take some refreshments. We met up with Martin at 4pm, and he took us a little way west to the village of Torpo, so we could visit a fine example of a Norwegian Stav Church. From here we made our way back to Kamben.

### Day 4

# **Tuesday 15th July**

# Weather: cloudy with numerous showers, some heavy

After breakfast we boarded the minibus which took us to the starting point for our walk at the village of Brenn, along a private road. As we were driving down to the main road a pair of cranes were seen in one field and a pair of Fieldfares in another. The early section of the walk took us past a few hamlets and, once again, through more wonderful forest. Along the way we recorded *Cerastium cerastoides* (Starwort Mouse-ear), *Epilobium anagalidifolium* (Alpine Willowherb), growing in the bottom of a wet track-side ditch and *Sibbaldia procumbens* (Sibbaldia) on the top of the ditch bank.

It was not too long before the forest began to thin out, giving way to open mountain dwarf scrub, grassland and bogs. A little further on we found *Huperzia selago* (Fir Clubmoss), *Arctostaphyllus alpina* (Alpine Bearberry) and *Phyllodoce caerulea* (Mountain Heath), as well as seeing Wheatear, Meadow Pipit and having some fine views of Bluethroat.

We took our lunch in a sheltered gully by a lake, which had a pair of Goldeneye and a Teal on it. *Rubus chamaemorus* (Cloudberry) was flowering well, together with one or two spikes of *Eriophorum scheuchzeri* (Scheuchzer's Cottongrass). The weather had now deteriorated and only Peter and Jack chose to climb up the last section to the summit of Noystolfjellet (1,296 metres), where they had some reasonable 360-degree views, including the Skoghorn (1,728 metres), the highest peak in the area. Meanwhile, the rest of the group began to descend by another track. As we went we had some excellent views of Golden Plover and Willow Grouse. We made slow progress and before too long Peter and Jack had rejoined us.

As we continued down, we found several clumps of *Dryopteris expansa* (Northern Buckler Fern) and *Athyrium distentifolium* (Mountain Lady Fern). As we neared the end of the walk we passed a field with a magnificent display of *Trollius europaeus* (Globeflower), *Geranium sylvaticum* (Wood Crane's-bill) and *Caltha palustris* (Marsh Marigold). Queen of Spain Fritillary was noted feeding here. When we reached our rendezvous point, Martin was waiting to return us to the hotel.

# Day 5

# Wednesday 16th July

# Weather: cloudy with showers; becoming brighter later on

Today we went on an excursion called 'Norway in a nutshell'. After breakfast, we boarded the minibus for Martin to drive us to the railway station at Gol. While we were waiting for the train, we found *Heracleum sphondylium subsp. sibiricum* (Siberian Hogweed), *Erigeron acer* (Blue Fleabane) and *Campanula glomerata* (Clustered Bellflower).

We boarded the 9.35am train to Myrdal. As we approached the station at Finse, the highest station on the Oslo to Bergen route at 1,222 metres, there were some good views of the Hardanger Glacier. Here the train paused just long enough for some of the group to disembark to take photos. At Myrdal, we transferred to the spectacular Flam Railway. Completed in 1940, this unique railway took 20 years to build, and drops 864 metres in 20 kilometres to Flam on the side of the Aurlandsfjorden (Aurlands Fjord). The journey down the Flam Valley took us through some magnificent scenery, not least of which was at the scheduled stop to view the thundering power of the mighty Kjosfossen waterfall. As we descended we recorded *Cicerbita alpina* (Alpine Sowthistle), *Saxifraga cotyledon* (Pyramidal Saxifrage), *Sedum rosea* (Roseroot) and *Sambucus racemosus* (Red-berried Elder).

On arrival in Flam, we transferred to a steamer for the 2-hour journey to Gudvangen. As we sailed down the stunning fjord, we had an attendant flock of Common Gulls waiting to join us for lunch. We also saw a pair of Black Guillemots and several Harbour Porpoise. Tiny picturesque villages and fabulous scenery made this trip truly memorable.

When we arrived in Gudvagen we boarded the bus to Voss railway station. Leaving the fjord behind, our bus soon left the main road and turned up the very steep winding Stalhiemskleiva road, passing *Campanula latifolia* (Giant Bellflower) and *Angelica archangelica* (Garden Angelica) on its way.

Our train left Voss at 5.15pm, arriving in Gol at 7.40pm, where Martin was waiting to take us back to the hotel for dinner. During our meal we were lucky enough to see an Elk and her calf feeding in a distant field, and we had some splendid views of Short-eared Owl hunting.

# Day 6

# Thursday 17th July

# Weather: mainly cloudy with occasional sunny periods

Today Martin dropped us off in the small hamlet of Skutuset, only this time we set off in a different direction. As we made the short journey we saw a pair of cranes feeding in a field. The track took us north through open woodland, where we soon found a good patch of *Coeloglossum viride* (Frog Orchid) and *Lycopodium clavatum* (Stag's-horn Clubmoss). Our first objective was a small hill called Syningen (1,031 metres), which we reached in good time. Among the rocks at the base of Syningen, we found *Gentianella campestris* (Field Gentian) and the curious *Botrychium lunarium* (Moonwort). On the top, it was possible to see the summit of Storefjell (1,149 metres). Good numbers of the tiny white *Silene rupestris* (Rock Catchfly) were also seen here. Moving on, we began to make our way through open, wet Juniper and Spruce forest. *Alchemilla glabra* (Smooth Lady's-mantle), *Pyrola norvegica* (Norwegian Wintergreen) and *Tofieldia pusilla* (Scottish Asphodel) were all seen. Willow Warblers were also rather frequent and several Idas Blue Butterflies were found, waiting for the sun to warm them up.

After stopping for lunch, we left the forest at a point just below the Storefjell Resort Hotel, where we enjoyed a welcome cup of coffee. The approach road had a small stream beside it, the bank of which had the large blue bells of *Campanula scheuchzeri* (Scheuchzer's Bellflower) and several plants of *Achillea ptarmica* (Sneezewort). Greenfinch and Siskin were feeding close by. Having had our coffee we continued, leaving the hotel behind us. Hooded Crows and Fieldfares were also fairly frequent here. We then made our way to the footpath that would take us back to our hotel at Kamben, stopping to photograph *Pilosella aurantiaca* (Fox and Cubs) and *Gnaphalium norvegicum* (Highland Cudweed). The path took us past a small pond with a boggy margin where we recorded *Saussarea alpina* (Alpine Saw-wort), *Triglochin palustris* (Marsh Arrowgrass) and *Dactylorhiza incarnata subsp. pulchella* (Early Marsh Orchid), before completing the final couple of hundred meters back to our hotel.

# Day 7

# Friday 18th July

# Weather: cloudy with bright periods & the odd shower

Today we travelled out to Gronlie, the furthest of any of our daily excursions. Leaving the hotel, we travelled north to the village of Oset, before crossing the dam at the eastern end of the Tisleifjorden. From here, Martin turned north-west and followed the northern shore of the fjord through Langestolen, Nosen and Rensenn. Another kilometre or so further on, we stopped at the small remote car park at Gronlie. From here we set off in a north-easterly direction towards the hamlet of Kristi Stolen. On the way we had views of Meadow Pipits and Wheatears with young. At Kristi Stolen we had quite good views of a pair of Twite. In a wet hollow we also found a small patch of *Rubus chamaemorus* (Cloudberry).

As we left Kristi Stolen we passed a small outcrop of rocks where we recorded *Athyrium distentifolium* (Mountain Lady Fern), *Phegopteris connectilis* (Beech Fern) and *Veronica alpina* (Alpine Speedwell), and a single Ring Ouzel was also spotted. The path we were on took us past a large lake, where we saw a female Teal with chicks, and on across some splendid sub-Arctic heath.

*Betula nana* (Dwarf Birch), *Salix lanata* (Woolly Willow) and *Salix arbuscula* (Mountain Willow) were all present, as well as a fantastic show of *Eriophorum angustifolium* (Common Cottongrass) and *Eriophorum vaginatum* (Hare's-tail Cottongrass). We then took our lunch in a small clump of trees before continuing to Gomobu. From here we made our way down to Vasetstolen, via Vasetvasnet Lake, and along the way we saw *Potentilla norvegica* (Ternate-leaved Cinquefoil) and *Equisetum fluviatile* (Water Horsetail), as well as Reed Bunting and Yellowhammer.

When we arrived in Vasetstolen, we stopped at a lakeside cafe for refreshments and waited for Martin to collect us. The lake shore had good shows of *Sparganium angustifolium* (Floating Bur-reed) and *Pedicularis sceptrum-carolinum* (Moor King). On our way back to the hotel, we stopped to visit the replica of a 10th century Stav Church at Oset. The original was moved to a museum in Oslo early in the 20th century. From here we returned to Kamben.

# Day 8

# Saturday 19th July

# Weather: cloudy with occasional showers

Our last morning saw us leaving Kamben at 10.15am, having completed any outstanding photo requirements and we said goodbye to Martin. Our first stop en route was at Gol station, where we bid farewell to Janet and David, who were catching a train to Bergen. We then began our journey back to Oslo Airport, making a short stop for lunch in Kroderen.

We arrived at our destination at 1.45pm, said goodbye to Anne, who was staying on in Oslo for a few days then checked in for our Scandinavian Airways flight to London Heathrow.

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# **Species Lists**

### Plants

PTERIDOPHYTES

Lycopodiaceae Diphasiastrum alpinum Huperzia selago ssp. selago Lycopodium annotinum Lycopodium clavatum

Selaginellaceae Selaginella selaginoides

### Equisetaceae

Equisetum arvense Equisetum fluviatile Equisetum hymale Equisetum palustre Equisetum pratense Equisetum sylvaticum Equisetum varigatum

Adiantaceae Cryptogramma crispa

Aspleniaceae Asplenium septentrionale

**Dennstaedtiaceae** Pteridium aquilinum ssp. latiusculum

Dryopteridaceae Dryopteris carthusiana Dryopteris dilitata Dryopteris expansa Dryopteris filix-mas

**Ophioglossaceae** Botrychium lunaria

**Polypodiaceae** Polypodium vulgare agg

Thelypteridaceae Phegopteris connectilis

Woodsiaceae Athyrium filix-femina Athyrium distentifolium Cysopteris fragilis Gymnocarpium dryopteris Woodsia ilvensis

# English Name (If any) FERNS & ALLIES

Clubmoss Family Alpine Clubmoss Fir Clubmoss Interrupted Clubmoss Stag's-horn Clubmoss

Lesser Clubmoss Family Lesser Clubmoss

### Horsetail Family

Field Horsetail Water Horsetail Dutch Rush Marsh Horsetail Shade Horsetail Wood Horsetail Variegated Horsetail

Maidenhair Fern Family Parsley Fern

Spleenwort Family Forked Spleenwort

Bracken Family Bracken

### Buckler Fern Family Narrow Buckler Fern Broad Buckler Fern Northern Buckler Fern Male Fern

Adder's-tongue Family Moonwort

Polypody Family Common Polypody

Marsh Fern Family Beech Fern

Lady-fern Family Lady Fern Alpine Lady Fern Brittle Bladder Fern Oak Fern Oblong Woodsia Location

Noystolfjellet Noystolfjellet Hallingen/Skutuset/Brautemo Syningen/Storefjell/Kamben

Syningen/Storefjell/Kamben

Hallingen/Skutuset/ Brautemo Gronlie/Gomobu/Vasetstolen Syningen/Storefjell/Kamben Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Solseter/Gol Syningen/Storefjell/Kamben

Solseter/Gol

Solseter/Gol

Solseter/Gol

Hallingen/Skutuset/ Brautemo Solseter/Gol Noystolfjellet Solseter/Gol

Solseter/Gol

Solseter/Gol

Solseter/Gol

Solseter/Gol Noystolfjellet Syningen/Storefjell/Kamben Hallingen/Skutuset/ Brautemo Syningen/Storefjell/Kamben

### PINOPSIDA (GYMNOSPERMS)

Cupressaceae Juniperus communis

### Pinaceae

Picea abies Pinus cembra Pinus contorta Pinus sylvestris

### MAGNOLIOPSIDA (ANGIOSPERMS)

### Apiaceae (Umbelliferae)

Angelica archangelica Angelica sylvestris Anthriscus sylvestris Carum carvi Heracleum sphondylium ssp.sibiricum Pimpinella saxifraga

### Asteraceae (Compositae)

Achillea millefolium Achillea ptarmica Antennaria carpatica Antennaria dioica Anthemis tinctoria Artemisia vulgaris Carduus crispus Centaurea jacea Cicerbita alpina Cirsium arvense Cirsium heterophyllum Cirsium palustre Erigeron acer Gnaphalium norvegica Gnaphalium supinum Gnaphalium sylvatica Hieracium alpinum Hieracium sabaudum Hieracium vulgatum Hieracium umbellatum Lapsana communis Leontodon autumnalis Leucanthemum vulgare Matricaria discoidea Pilosella aurantiaca Pilosella officinarum Saussurea alpina Senecio vulgaris Solidago virgaurea Tanacetum vulgare Taraxacum hamata

# English Name (If any)

### CONIFERS

Juniper Family Juniper

### **Pine Family**

Norway Spruce Arollo Pine Lodgepole Pine Scots Pine

### FLOWERING PLANTS

### **Carrot Family**

Garden Angelica Wild Angelica Cow Parsley Caraway Siberian Hogweed Burnet-saxifrage

### **Daisy Family**

Yarrow Sneezewort Carpathian Cat's-foot Cat's-foot Yellow Chamomile Mugwort Welted Thistle Brown Knapweed Alpine Sow-thistle **Creeping Thistle** Melancholy Thistle Marsh Thistle Blue Fleabane Highland Cudweed Dwarf Cudweed Heath Cudweed Alpine Hawkweed

# Nipplewort Autumn Hawkbit Ox-eye Daisy Pineappleweed Orange Hawkweed Mouse-eared Hawkweed Alpine Saw-wort Groundsel Golden Rod Tansy Dandelion

Stalheim Hallingen/Skutuset/ Brautemo Kamben Common Solseter/Gol Hallingen/Skutuset/ Brautemo

Hallingen/Skutuset/ Brautemo

Torpo Churchvard (planted)

Solseter/Gol - Planted

Solseter/Gol

Location

Kamben

Kamben Syningen/Storefjell/Kamben Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Solseter/Gol Solseter/Gol Solseter/Gol Verge above Gol Below Myrdal Gol Station Kamben Kamben Solseter/Gol Kamben Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Noystolfjellet Noystolfjellet Hallingen/Skutuset/ Brautemo Kamben Solseter/Gol Noystolfjellet Kamben Kamben Kamben Hallingen/Skutuset/ Brautemo Syningen/Storefjell/Kamben Solseter/Gol Hallingen/Skutuset/ Brautemo Solseter/Gol

Kamben

Tripleurospermum inodorum Tussilago farfara

### Betulaceae

Alnus incana Betula pendula Betula pubescens Betula nana Betula pubescens x B.nana Betula pubescens x B.pendula Corylus avellana

### Boraginaceae

Asperugo procumbens Myosotis arvensis Myosotis ramosissima Myosotis stricta Myosotis sylvatica

### Brassicaceae (Cruciferae)

Arabidopsis thaliana Arabis alpina Arabis glabra Barbarea intermedia Capsella bursa-pastoris Cardamine amara Cardamine pratensis Cardaminopsis arenosa Rorippa nasturtium-aquaticum Rorippa palustris Rorippa sylvestris Thlaspi alpinum Thlaspi arvense

### Campanulaceae

Campanula glomerata Campanula latifolia Campanula rotundifolia Campanula scheuchzeri

### **Caprifoliaceae** Linnaea borealis Sambucus racemosa

### Caryophyllaceae

Cerastium arvense Cerastium cerastoides Cerastium fontanum Cerastium glomeratum Sagina apetala Sagina procumbens Silene dioica Silene latifolia

### English Name (If any)

Scentless Mayweed Colt's-foot

### **Birch Family**

Grey Alder Silver Birch Downy Birch Dwarf Birch Hybrid Birch Hybrid Birch Hazel

### **Borage Family**

Madwort Field Forget-me-not Early Forget-me-not

Wood Forget-me-Not

### **Cabbage Family**

Thale Cress Alpine Rock-cress Tower Mustard Medium-flowered Winter-cress Shepherd's-purse Large Bittercress Lady's Smock Tall Rockcress Watercress Marsh Yellowcress Creeping Yellowcress Alpine Pennycress Field Pennycress

### **Bellflower Family**

Clustered Bellflower Giant Bellflower Harebell Scheuchzer's Bellflower

Honeysuckle Family Twinflower Red-berried Elder

### Pink Family Field Mouse-ear

Common Mouse-ear Sticky Mouse-ear Annual Pearlwort Procumbent Pearlwort Red Campion White Campion

### Location

Solseter/Gol Kamben

Solseter/Gol Solseter/Gol Solseter/Gol Hallingen/Skutuset/ Brautemo Gronlie/Gomobu/Vasetstolen Solseter/Gol Stalheim

Solseter/Gol Kamben Solseter/Gol Syningen/Storefjell/Kamben Hallingen/Skutuset/ Brautemo

Solseter/Gol Solseter/Gol Solseter/Gol Syningen/Storefjell/Kamben Kamben Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Solseter/Gol Syningen/Storefjell/Kamben Gronlie/Gomobu/Vasetstolen Solseter/Gol Kamben Solseter/Gol

Gol Station Garden origin? Stalheim Hallingen/Skutuset/ Brautemo Syningen/Storefjell/Kamben

Hallingen/Skutuset/ Brautemo Solseter/Gol

Solseter/Gol Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Noystolfjellet Hallingen/Skutuset/ Brautemo Kamben Hallingen/Skutuset/ Brautemo

Silene rupestris Silene vulgaris Spergularia rubra Stellaria graminea Stellaria uliginosa (S.alsine) Stellaria media Stellaria nemorum

*Chenopodiaceae Atriplex patula Chenopodium album* 

Clusiaceae Hypericum maculatum

### Crassulaceae

Sedum (Rhodiola) rosea Sedum telephium ssp. maximum Sedum villosum Sedum spurium

Dipsacaceae Knautia arvensis

Empetraceae Empetrum nigrum

### Ericaceae

Andromeda polifolia Arctostaphylos alpinus Arctostaphylos uva-ursi Calluna vulgaris Phyllodoce caerulea Vaccinium myrtillus Vaccinium oxycoccus Vaccinium uliginosum Vaccinium vitis-idaea

### Fabaceae (Leguminosae)

Astragalus alpinus Anthyllis vulneraria Lathyrus pratensis Lotus corniculatus Lupinus x regalis Trifolium medium Trifolium pratense Trifolium repens Vicia cracca Vicia sepium Vicia sylvatica

# Fagaceae

Fagus sylvatica

### English Name (If any)

Rock Catchfly Bladder Campion Sand Spurrey Lesser Stichwort Bog Stitchwort Chickweed Wood Stitchwort

**Goosefoot Family** Common Orache Fat Hen

St. John's-wort Family Imperforate St. John's-wort

Stonecrop Family Roseroot Orpine Hairy Stonecrop Caucasian Stonecrop

Teasel Family Field Scabious

Crowberry Family Crowberry

Bog Rosemary Alpine Bearberry Bearberry Heather or Ling Blue or Mountain Heath Bilberry Cranberry Bog Bilberry Cowberry

### Pea Family

Alpine Milk-vetch Kidney-vetch Meadow Vetchling Bird's-foot Trefoil Garden Lupin Zig-zag Clover Red Clover White Clover Tufted Vetch Bush Vetch Wood vetch

# Beech Family

Beech

### Location

Solseter/Gol Kamben Gronlie/Gomobu/Vasetstolen Hallingen/Skutuset/ Brautemo Solseter/Gol Hallingen/Skutuset/ Brautemo Gronlie/Gomobu/Vasetstolen

Solseter/Gol Solseter/Gol

Hallingen/Skutuset/ Brautemo

Above Flam Solseter/Gol Hallingen/Skutuset/ Brautemo Naturalised at Gol

Solseter/Gol

Hallingen/Skutuset/ Brautemo

Hallingen/Skutuset/ Brautemo Noystolfjellet Solseter/Gol Hallingen/Skutuset/ Brautemo Noystolfjellet Hallingen/Skutuset/ Brautemo Kamben Hallingen/Skutuset/ Brautemo

Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Kamben Hallingen/Skutuset/ Brautemo North of Oslo Kamben Hallingen/Skutuset/ Brautemo Kamben Kamben Solseter/Gol Solseter/Gol

Stalheim

Gentianaceae Gentiana nivalis Gentianella campestris

Geraniaceae Geranium pratense Geranium sylvaticum

Grossulariaceae Ribes rubrum

Lamiaceae (Labiatae) Ajuga pyramidalis Galeopsis bifida Galeopsis tetrahit Glechoma hederacea Prunella vulgaris Stachys sylvestris

Lentabulariaceae Pinguicula vulgaris

Menyanthaceae Menyanthes trifoliata

**Onagraceae** Chamerion angustifolium Epilobium alsinifolium Epilobium anagallidifolium Epilobium ciliatum Epilobium palustre

**Oxalidaceae** Oxalis acetosella

Papaveraceae Papaver radicatrum

**Plantaginaceae** Plantago lanceolata Plantago major Plantago media

Polygonaceae Oxyria digyna Persicaria (Polygonum) vivipara Polygonum aviculare Rumex acetosa Rumex acetosella Rumex crispus Rumex thyrsiflorus

### English Name (If any)

**Gentian Family** Snow Gentian Field Gentian

Crane's-bill Family Meadow Crane's-bill Wood Crane's-bill

Gooseberry Family Red Currant

Deadnettle Family Pyramidal Bugle Common Hemp-nettle Common Hemp-nettle Ground Ivy Selfheal Hedge Woundwort

Bladderwort Family Common Butterwort

Bogbean Family Bogbean

Willowherb Family Rose-bay Willowherb Chickweed Willowherb Alpine Willowherb American Willowherb Marsh Willowherb

Wood-sorrel Family Wood-sorrel

Poppy Family Arctic Poppy

**Plantain Family** Ribwort Plantain Greater Plantain Hoary Plantain

Knotweed Family Mountain Sorrel Alpine Bistort Knotgrass Sorrel Sheep's Sorrel Curled Dock Compact Dock

### Location

Syningen/Storefjell/Kamben Syningen/Storefjell/Kamben

Solseter/Gol Hallingen/Skutuset/ Brautemo

Hallingen/Skutuset/ Brautemo

Hallingen/Skutuset/ Brautemo Solseter/Gol Solseter/Gol Hallingen/Skutuset/ Brautemo Solseter/Gol

Hallingen/Skutuset/ Brautemo

Hallingen/Skutuset/ Brautemo

Common on roadsides Noystolfjellet Noystolfjellet Solseter/Gol Hallingen/Skutuset/ Brautemo

Hallingen/Skutuset/ Brautemo

Syningen/Storefjell/Kamben

Kamben Kamben Solseter/Gol

Above Flam Kamben Solseter/Gol Kamben Hallingen/Skutuset/ Brautemo Kamben Kamben

**Primulaceae** Trientalis europaea

### Pyrolaceae

Moneses uniflora Orthilia secunda Pyrola minor Pyrola norvegica

### Ranunculaceae

Aconitum septentrionale Caltha palustris Ranunculus acris Ranunculus platanifolius Ranunculus repens Ranunculus reptans Thalictrum alpinum Trollius europaeus

### Rosaceae

Alchemilla alpina Alchemilla filicaulis Alchemilla glabra Alchemilla xanthochlora Amelanchier ovalis Filipendula ulmaria Fragaria vesca Geum rivale Potentilla anserina Potentilla argentea Potentilla crantzii Potentilla erecta Potentilla naumanniana Potentilla norvegica Potentilla palustris Prunus mahaleb Prunus padus Rubus chamaemorus Rubus idaeus Rubus saxatilis Sibbaldia procumbens Sorbus aucuparia

### Rubiaceae

Galium mollugo Galium boreale Galium palustre agg Galium x pomeranicum Galium saxatile Galium uliginosum Galium verum

### English Name (If any)

Primrose Family Chickweed Wintergreen

Wintergreen Family One-flowered Wintergreen Nodding Wintergreen Common Wintergreen Norwegian Wintergreen

### **Buttercup Family**

Northern Wolf's-bane Marsh Marigold Meadow Buttercup

Creeping Buttercup Creeping Spearwort Alpine Meadow-rue Globeflower

### **Rose Family**

Alpine Lady's-mantle a Lady's-mantle Smooth Lady's-mantle

Juneberry Meadowsweet Wild Strawberry Water Avens Silverweed Hoary Cinquefoil Alpine Cinquefoil Tormentil Spring Cinquefoil Ternate-leaved Cinquefoil Marsh Cinquefoil St. Lucie's Cherry Bird Cherry Cloudberry Raspberry Stone Bramble Sibbaldia Rowen or Mountain Ash

### **Bedstraw Family**

Hedge Bedstraw Northern Bedstraw Marsh Bedstraw Hybrid Bedstraw Heath Bedstraw Fen Bedstraw Lady's Bedstraw

### Location

Hallingen/Skutuset/ Brautemo

Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo

Kamben Noystolfjellet Kamben Hallingen/Skutuset/ Brautemo Kamben Syningen/Storefjell/Kamben Hallingen/Skutuset/ Brautemo Noystolfjellet

Hallingen/Skutuset/ Brautemo Kamben Kamben Kamben Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Kamben Torpo Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Torpo Solseter/Gol Hallingen/Skutuset/ Brautemo Stalheim Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Noystolfjellet Hallingen/Skutuset/ Brautemo

Solseter/Gol Hallingen/Skutuset/ Brautemo Gronlie/Gomobu/Vasetstolen Solseter/Gol Syningen/Storefjell/Kamben Solseter/Gol

### Salicaceae

Populus tremula Salix arbuscula Salix caprea Salix cinerea agg Salix herbacea Salix lanata ssp. lanata Salix lanata x S.lapponum Salix lapponum Salix phylicifolia

### Saxifragaceae

Parnassia palustris Saxifraga cotyledon Saxifraga stellaris

### Scrophulariaceae

Bartsia alpina Digitalis purpurea Euphrasia frigida Linaria vulgaris Melampyrum pratense Melampyrum sylvaticum Pedicularis lapponica Pedicularis palustris Pedicularis sceptrum-carolinum Rhinanthus minor agg Verbascum nigrum Veronica alpina Veronica arvensis Veronica chamaedrys Veronica fruticans Veronica officinalis Veronica scutellata Veronica serpyllifolia

### **Urticaceae** Urtica dioica

Valerianaceae Valeriana sambucifolia

**Violaceae** Viola canina ssp. montana Viola palustris Viola riviniana Viola tricolor

### LILIIDAE (MONOCOTYLEDONS)

**Cyperaceae** Carex atrata Carex bigelowii

### English Name (If any)

### **Willow Family**

Aspen Mountain Willow Goat Willow Grey Willow Dwarf Willow Woolly Willow

Downy Willow Tea-leaved Willow

### **Saxifrage Family**

Grass-of-Parnassus Pyramidal Saxifrage Starry Saxifrage

### **Figwort Family**

Alpine Bartsia Foxglove Eyebright Common Toadflax Common Cow-wheat Small Cow-wheat Lapland Lousewort Red Rattle Moor King Yellow Rattle Dark Mullein Alpine Speedwell Wall Speedwell Germander Speedwell Rock Speedwell Common Speedwell Marsh Speedwell Thyme-leaved Speedwell

Nettle Family

Common Nettle

Valerian Family Elder-flowered Valerian

Violet Family Heath Dog-violet Marsh Violet Common Dog-violet Heartsease

Sedge Family Black Alpine Sedge Stiff Sedge

### Location

Solseter/Gol Hallingen/Skutuset/ Brautemo Solseter/Gol Hallingen/Skutuset/ Brautemo Noystolfjellet Hallingen/Skutuset/ Brautemo Gronlie/Gomobu/Vasetstolen Hallingen/Skutuset/ Brautemo

Hallingen/Skutuset/ Brautemo Stalheim Hallingen/Skutuset/ Brautemo

Hallingen/Skutuset/ Brautemo

Hallingen/Skutuset/ Brautemo Solseter/Gol

Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Gronlie/Gomobu/Vasetstolen Hallingen/Skutuset/ Brautemo Gronlie/Gomobu/Vasetstolen Hallingen/Skutuset/ Brautemo Gronlie/Gomobu/Vasetstolen Hallingen/Skutuset/ Brautemo Solseter/Gol Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo

Kamben

Kamben

Kamben

Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Kamben

Syningen/Storefjell/Kamben Noystolfjellet

Carex capillaris Carex curta Carex dioica Carex divulsa Carex elata Carex flava Carex lachenallii Carex magellanica Carex nigra Carex panicea Carex pauciflora Carex rostrata Carex vaginata Carex vesicaria Carex viridula subsp. viridula Eriophorum angustifolium Eriophorum scheuchzeri Eriophorum vaginatum Trichophorum alpinum Trichophorum cespitosum

### Juncaceae

Eleocharis quinqueflora Juncus alpinus Juncus articulatus Juncus biglumis Juncus bufonius Juncus castaneus Juncus filiformis Juncus trifidus Luzula multiflora agg Luzula pilosa Luzula spicata Luzula sylvatica

### Juncaginaceae

Triglochin palustre

### Liliaceae

Maianthemum bifolium Paris quadrifolia Tofieldia pusilla

### Orchidaceae

Coeloglossum viride Dactylorhiza fuchsii Dactylorhiza incarnata ssp. pulchella Goodyeara repens Gymnadenia conopsea subsp.densiflora Neottia (Listera) cordata

Poaceae (Graminae) Agrostis capillaris

### English Name (If any)

Hair Sedge White Sedge **Dioecious Sedge** Grey Sedge Tufted Sedge Large Yellow Sedge Hare's-foot Sedge Tall Bog Sedge Common Sedge Carnation Sedge Few-flowered Sedge Bottle Sedge Sheathed Sedge Bladder Sedge Small-fruited Yellow Sedge Common Cotton-grass Scheuchzeri's Cotton-grass Hare's-tail Cotton-grass Alpine Deergrass Deergrass

### **Rush Family**

Few-flowered Spike-rush Alpine Rush Jointed Rush Two-flowered Rush Toad Rush Chestnut Rush Thread Rush Three-leaved Rush Heath Wood-rush Hairy Wood-rush Spiked Wood-rush Greater Wood-rush

### **Arrowgrass Family**

Marsh Arrowgrass

### Lily Family

May Lily Herb Paris Scottish Asphodel

### **Orchid Family**

Frog Orchid Common Spotted Orchid Early Marsh Orchid Creeping Ladies Tresses Fragrant Orchid Lesser Twayblade

Grass Family Common Bent

### Location

Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Solseter/Gol Gronlie/Gomobu/Vasetstolen Hallingen/Skutuset/ Brautemo Noystolfjellet Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Solseter/Gol Hallingen/Skutuset/ Brautemo Syningen/Storefjell/Kamben Noystolfjellet Syningen/Storefjell/Kamben Hallingen/Skutuset/ Brautemo Noystolfjellet Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Syningen/Storefjell/Kamben

Syningen/Storefjell/Kamben Noystolfjellet Syningen/Storefjell/Kamben Hallingen/Skutuset/ Brautemo Solseter/Gol Hallingen/Skutuset/ Brautemo Solseter/Gol Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo Noystolfjellet Hallingen/Skutuset/ Brautemo

Syningen/Storefjell/Kamben

Hallingen/Skutuset/ Brautemo Solseter/Gol Hallingen/Skutuset/ Brautemo

Hallingen/Skutuset/ Brautemo Solseter/Gol Hallingen/Skutuset/ Brautemo Solseter/Gol Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo

Hallingen/Skutuset/ Brautemo

Agrostis curtisii Agrostis stolonifera Alopecurus aequalis Alopecurus pratensis Anthoxanthum odoratum Bromopsis inermis Brachypodium sylvaticum Calamagrostis epigeios Dactylis glomerata Deschampsia cespitosa Deschampsia flexuosa Elymus caninus Elytrigia (Elymus) repens Festuca ovina agg Festuca rubra agg Lolium perenne Melica nutans Millium effusum Molinia caerulea Nardus stricta Phleum alpinum Phleum pratense Poa alpina Poa annua Poa humilis (P. subcaerulea) Poa nemoralis Poa pratensis Poa trivialis

### Potamogetonaceae

Potamogeton crispus Potamogeton polygonifolius

Sparganiaceae Sparganium angustifolium

### English Name (If any)

Bristle Bent Creeping Bent Orange foxtail Meadow Foxtail Sweet Vernal Grass Hungarian Brome

Wood Small-reed Cock's-foot **Tufted Hair-grass** Wavy Hair-grass **Bearded Couch** Common Couch Sheep's Fescue **Red Fescue** Perennial Rye-grass Mountain Melick Wood Millet Purple Moor-grass Mat-grass Alpine Cat's-tail Timothy Alpine Meadow-grass Annual Meadow-grass Spreading Meadow-grass Wood Meadow-grass Smooth Meadow-grass Rough Meadow-grass

### Pondweed family

Curled Pondweed Bog Pondweed

### Bur-reed Family Floating Bur-reed

### Location

Solseter/Gol Solseter/Gol Syningen/Storefjell/Kamben Kamben Hallingen/Skutuset/ Brautemo Gol Solseter/Gol Solseter/Gol Kamben Kamben Hallingen/Skutuset/ Brautemo Solseter/Gol Solseter/Gol Hallingen/Skutuset/ Brautemo Kamben Solseter/Gol Hallingen/Skutuset/ Brautemo Solseter/Gol Syningen/Storefjell/Kamben Noystolfjellet Kamben Kamben Hallingen/Skutuset/ Brautemo Kamben Hallingen/Skutuset/ Brautemo Solseter/Gol Hallingen/Skutuset/ Brautemo Solseter/Gol

Gronlie/Gomobu/Vasetstolen Gronlie/Gomobu/Vasetstolen

Gronlie/Gomobu/Vasetstolen

# Birds (LO – leader only; H – heard)

	Common Name	Scientific Name	July							
			12	13	14	15	16	17	18	19
1	Grey Heron	Ardea cinerea			•		•		•	•
2	Mute Swan	Cygnus olor	•							•
3	Canada Goose	Branta canadensis					•			
4	Mallard	Anus platyrhynchos	•				•			
5	Common Teal	Anus crecca				•			•	
6	Common Goldeneye	Bucephala clangula				•				•
7	Common Buzzard	Buteo buteo	•							
8	Eurasian Sparrowhawk	Accipiter nisus	•							
9	Common Kestrel	Falco tinnunculus	•							
10	Willow Grouse	Lagopus lagopus lagopus				•				
11	Capercaillie	Tetrao urogallus		•						
12	Black Grouse	Tetrao tetrix		•						
13	Eurasian Coot	Fulica atra								•
14	Common Crane	Grus grus	•	•	•	•	•	•	•	•
15	European Golden Plover	Pluvialis apricaria				•			•	
16	Northern Lapwing	Vanellus vanellus	LO							
17	Green Sandpiper	Tringa ochropus						•		
18	Common Sandpiper	Actitis hypoleucos							•	
19	Common Redshank	Tringa totanus				•	•			
20	Eurasian Curlew	Numenius arquata	•	н	•	•	•	•	•	•
21	Black-headed Gull	Larus ridibundus								•
22	Common Gull	Larus canus	•				•	•	•	•
23	Herring Gull	Larus argentatus					•			•
24	Lesser Black-backed Gull	Larus fuscus	•							
25	Black Guillemot	Cepphus grylle					•			
26	Rock Dove / Feral Pigeon	Columba livia	•		•					•
27	Common Wood Pigeon	Columba palumbus	•				•			•
28	Long-eared Owl	Asio otus				•				
29	Common Swift	Apus apus	•	•	•	•	•	•	•	•
30	Great Spotted Woodpecker	Dendrocopos major		Н					•	
31	Sand Martin	Riparia riparia					•			
32	Barn Swallow	Hirundo rustica	•	•	•	•	•	•	•	•
33	Common House Martin	Delichon urbica	•	•	•	•	•	•	•	•
34	Meadow Pipit	Anthus pratensis				•			•	
35	White Wagtail	Motacilla alba	•	•	•	•	•	•	•	•
36	Grey Wagtail	Motacilla cinerea					•		•	
37	Winter Wren	Troglodytes troglodytes			н	•	Н			
38	Dunnock	Prunella modularis			•				н	
39	European Robin	Erithacus rubecula		Н				•	•	•
40	Bluethroat	Luscinia svecica				•				
41	Common Redstart	Phoenicurus phoenicurus							•	
42	Northern Wheatear	Oenanthe oenanthe				•		•	•	
43	Song Thrush	Turdus philomelos							•	
44	Redwing	Turdus iliacus						•	•	•
45	Mistle Thrush	Turdus viscivorus		Н	•	•		•	•	
46	Fieldfare	Turdus pilaris	•		•	•		•	•	•
47	Common Blackbird	Turdus merula	•	Н	н	•	•			
48	Ring Ouzel	Turdus torquatus							•	
49	Lesser Whitethroat	Sylvia curruca							•	

				July							
	Common Name	Scientific Name	12	13	14	15	16	17	18	19	
50	Willow Warbler	Phylloscopus trochilus	•	•	•	•	•	•	•	•	
51	Goldcrest	Regulus regulus		Н				Н			
52	Great Tit	Parus major		•	•			•	•	•	
53	Coal Tit	Parus ater		•	•			•			
54	Blue Tit	Parus caeruleus					Н				
55	Crested Tit	Parus cristatus		•							
56	Willow Tit	Parus montanus		Н	Н			•			
57	Eurasian Nuthatch	Sitta europaea			•						
58	Magpie	Pica pica	•		•	•	•	•	•	•	
59	Jay	Garrulus glandarius			Н						
60	Siberian Jay	Perisoreus infaustus		•							
61	Hooded Crow	Corvus corone cornix	•	•	•	•	•	•	•	•	
62	Raven	Corvus corax				•					
63	Starling	Sturnus vulgaris	•			•	•	•	•	•	
64	House Sparrow	Passer domesticus	•	•	•	•	•	•	•	•	
65	Chaffinch	Fringilla coelebs		Н	•	Н	•	•	•	•	
66	Brambling	Fringilla montifringilla	LO								
67	Twite	Carduelis flavirostris							•		
68	Redpoll	Carduelis flammea	Н		•	•		•	•	•	
69	Greenfinch	Carduelis chloris		Н	•			•	•	•	
70	Siskin	Carduelis spinus	•	•	•	•	•	•	•	•	
71	Bullfinch	Pyrrhula pyrrhula			•		•				
72	Common Crossbill	Loxia curvirostra			•					•	
73	Reed Bunting	Emberiza schoeniclus							•	•	
74	Yellowhammer	Emberiza citronella			Н				•		

# **Butterflies**

Common Name	Scientific Name	Location		
Moorland Clouded Yellow	Colias palaeno	Oset		
Scarce Copper	Heodes virgaureae	Solseter/Gol		
Common Blue	Polyommatus icarus	Solseter/Gol		
Idas Blue	Plebejus idas	Hallingen/Skutuset/ Braute		
Small Pearl-bordered Fritillary	Clossiana selene	Kamben		
Arran Brown	Eerbia ligea	Solseter / Gol		
Dewy Ringlet	Erebia pandrose	Gronlie/Gomobu/Vasetsto		
Small Heath	Coenonympha pamphilus	Solseter / Gol		
Silver Spotted Skipper	Hesperia comma	Kamben		
Large Skipper	Ochlodes sylvanus	Solseter/Gol		

# Moths

Plume Moth Red Carpet Latticed Heath Common Wave Toadflax Brocade (Caterpillar) Hellinsia osteodactylus Xanthorhoe decoloraria Chiasmia clathrata Cabera exanthemata

Calophasia lunula

utemo tolen

Kamben Syningen Kamben Kamben Gol Station

Common Name	Scientific Name	Location				
Other Insects & Arachnids	3					
Cleg-fly	Haematopota pluvialis	Hallingen/Skutuset/ Brautemo				
Horse Fly Picture-wing Fly	Tabanus sp -	Hallingen/Skutuset/ Brautemo Hallingen/Skutuset/ Brautemo				
Wood Ant	Formica rufa	Hallingen/Skutuset/ Brautemo				
7-Spot Ladybird	Coccinella 7-punctata	Kamben				
Mammals						
Harbour Porpoise	Phocoena phocoena	Flam to Gudvagen				
Roe Deer Elk	Capreolus capreolus Alces alces	Solseter / Gol Kamben				
Mountain Hare	Lepus europaeus	Noystolfjellet				
Reptiles & Amphibians						
Common Frog	Rana temporaria	Gronlie/Gomobu/Vasetstolen				
Lichens						
a Lichen	Cladonia stellaris	Syningen				
a Lungwort	Cetraria islandica	Hallingen/Skutuset/ Brautemo				
a Lichen	Solorina crocea	Hallingen/Skutuset/ Brautemo				
the Map Lichen a Lichen	Rhizocarpon geographicum Parmelia centrifuga	Noystolfjellet Noystolfjellet				
	-					