

Lapland

A Tour for the Alpine Garden Society

A Greentours Trip Report

7th – 14th July 2024



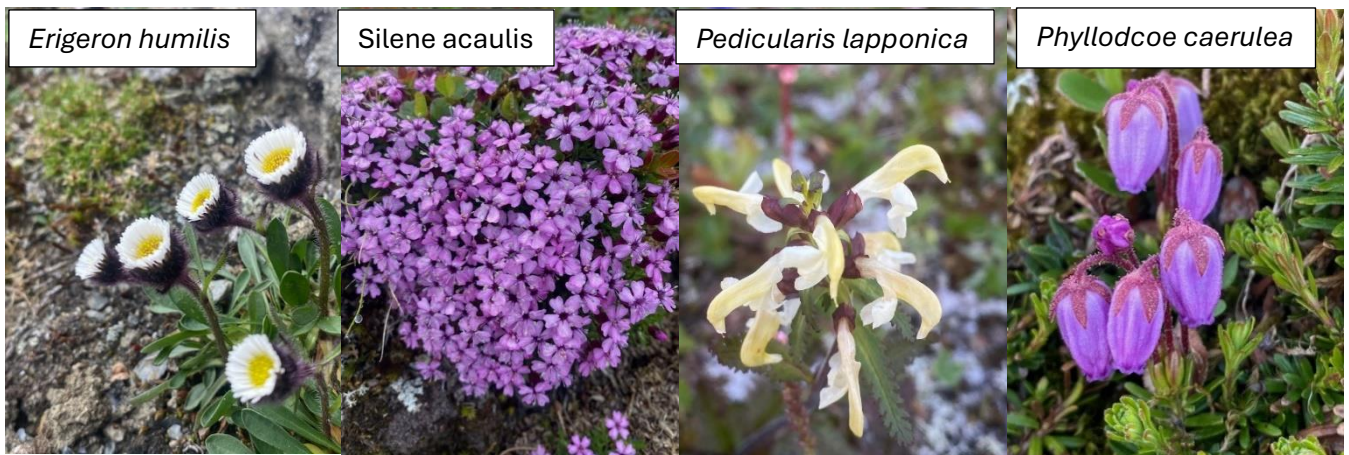
Led by Ian Green & Arne Jakobsen

Day 1

July 7th

Arrival

Just before meeting everyone at the airport I popped into the Aptasvare Nature Reserve behind the Space Research Station and saw three birds- two of them were Siberian Tits and the other was a male Pine Grosbeak!



The flight from Stockholm arrived slightly early and so we were soon out boarding our minibuses for the journey to Abisko. After a brief dalliance with the cashpoints at main co-op in town we were on the road. It takes just an hour and a quarter to reach Abisko

As we neared the national park we started following the shoreline of Lake Torneträsk – a huge and very picturesque lake. Pulling up at the hotel in Björkliden we quickly got ourselves sorted out into our rooms and headed for dinner. The sun showed no sign of setting, as we dined on tender beef and vegetables. The restaurant windows offered an excellent view out over the lake and the panorama was breathtaking including the summit of Njulla, the incomparable U-shaped hanging valley (Lappporten) and the snow-covered mountains along the Norwegian border. We knew we would enjoy staying in the hotel and some of us went for a post-prandial wander around the local area. The sun showed no sign of setting, and this was slightly disorientating.



Day 2 July 8th Björkliden & Stordalen

We awoke to a rather grey scene, the fabulous views from the huge windows in the breakfast room only occasionally emerging from the clouds. Still we were determined to get out there and enjoy Abisko’s lovely flora so at eight-thirty we set off in the general direction of Kratersjön.

Our progress was slow! A short uphill stretch was not really the reason though. Nor the light rain blowing in a sometimes fulsome breeze. Nor the fact that it was barely ten degrees. Immediately the flora was good. Soon we were enjoying wonderful displays of *Cornus suecica* and pink and white Twinflower, *Linnaea borealis*. Elegant *Carex atrata* was by the track, a ring of *Equisteum fluviatile* around the little pond. Our first orchid was a Frog Orchid, soon followed by Fragrant Orchids, the first of many.

Fieldfares breezed across the track as we got to grips with the confusing array of willow – here were *Salix glauca*, *hastata*, *phylicifolia* and the lovely smooth *lanata*, and the promiscuity of willows was soon

evident with hybrids between at least two of them. Next were banks of *Geranium sylvaticum* and *Trollius europaea*. Trackside *Saxifraga aizoides* was enjoyed and a meter further along the first population of the local form of 'Small White Orchid' *Pseudorchis straminea* was found.



Andromeda polifolia



Carex norvegica



*Diapensia
lapponica*

Then we were off-piste heading slowly round a large pond and across some fine tundra. Here were all manner

of wonderful plants. Carexes soon because diverse with *Carex magellanica*, *Carex canescens* and *Carex norvegica*. An area where snow had recently lain was a highlight. The slopes was covered in mounds of the gorgeous *Cassiope hypnoides*, every perfect white bell topped with a red cross. The fiery buds and pink blooms of *Kalmia procumbens* were spread here and there and now we were seeing some very fine clumps of the Mountain Heath *Phyllodoce caerulea*. There was even a lovely clump of *Diapensia lapponica* in full bloom. Under a nearby rock was *Arabis alpina* and *Athyrium distentifolium*. Where the very last snow had lain was the tiny buttercup *Ranunculus pygmaeus* and Arne found a population of the tiny willow *Salix polaris*, all of 2cm high! This was the last of the triumvirate of tiny willows this morning, we'd already found *Salix herbacea* in abundance and also *Salix reticulata*.



Lesser Twayblade

We heard cried in the air and looked up to watch two of the world's most elegant fliers – a pair of Long-tailed Skuas. These birds scythed through the sky, sometime hopping lightly, other times arcing across the breeze, and sometimes even stopping stock still in the air. Ohh to fly like them!

Meanwhile on the ground there were new orchids. First we found a little colony of shining Lesser Twayblades, then Arne spotted a Coralroot Orchid in nice flower. With the later was both *Micranthes tenuis* and *Saxifraga rivularis*, and nearby a third saxifrage, *Saxifraga cernua*, its bulbiferous stem topped by a single white flower. Also here were Moonworts, sedges like *Carex lachenallii*, *Carex vaginata* and *Carex dioica*, and three species of *Cerastium*. The variety seemed endless and it was difficult to pull ourselves away and back down to the hotel.

This done we drove the short distance into Abisko and picked up some lunch and took it down to the boatyard to enjoy. The weather was not the best, it seemed even colder and the and stronger. A White-tailed Eagle flew over.



Splachnum luteum

The afternoon was spent on the bog boardwalk at Stordalen. The bogs were quite fun. There was plenty of Bog Rosemary and also Cranberry. New sedges appeared with *Carex rostrata*, *Carex rotundata* and the newly minted *Carex x saamica* which is stabilized hybrid between the two. Marsh Cinquefoil was plentiful and in nice flower and the *Rubus chamaemorus* was just wonderful, the bright orange berries decorating the bog's surface. There were patches of the sundew *Drosera rotundifolia* and there a few more Lesser Twayblade too. In places the cotton grasses *Eriophorum vaginatum* and *Eriophorum angustifolium* were dominant. A highlight was the extraordinary moss *Splachnum luteum* whose yellow fairy umbrellas stood on long stalks above the fine green 'moss' below. *Splachnum* grows in decomposing moose dung or decaying animal matter and as if this wasn't remarkable enough the sporophytes which give it such an attractive and distinctive appearance give off an odour similar to dung!

Still we were in for more treats as Wood Sandpipers scolded us at close range and then Arctic Terns danced gracefully around us as we walked back along the walkway.

The dinner featured Reindeer carpachio for starter which most of us agreed would be perfectly acceptable to live on for the whole week morning, lunch and night! The Arctic Char for main course was a treat too.



Saxifraga aizoides

Day 3

July 9th

Abisko

Again it was rather miserable at breakfast, cold and damp outside, though not enough to deter us! So we were soon off for the short journey to our first stop, a roadside on just ten minutes drive away. A damp flush held quite a few Lesser Twayblade, Coralroot Orchid (over now though) and



Campanula alpina



Silene wahlbergella



*Comastoma
tenella*



Carex capitata

Fragrant Orchid. There was a Frog Orchid or two as well and lots of *Saxifraga aizoides* in some nice colour forms, some of them a deep orange. Arne showed us *Juncus arcticus*.

Now we headed to Abisko and the canyon circuit. This relatively short circuit can be completed in well under an hour but we took the rest of the morning. The gorge is not so deep, maybe twenty metres, but is still impressive as is the force of the water that rushes through the tunnel blasted by engineers a century ago so that the train at the top didn't have to go through the waterfall that was there! We started by heading down into the gorge where we got to know several plants that are hard to see outside of the gorge. There were two *Woodsia* ferns. The widespread but local *Woodsia alpina* was rather common. The diminutive and altogether rarer *Woodsia glabella*, a species generally only found north of the Arctic Circle, was harder to spot but we found one nice rocky crevice with many. Beautiful were the clumps of *Campanula uniflora*. There were Saxifrages too. *Saxifraga cernua* we were familiar with but there were also clumps of the less than pretty *Micranthes nivalis* as well as the altogether nice *Saxifraga cespitosa*. Keith spotted a Dipper in the gorge. Then we walked around the



Pedicularis sceptrum-carolinum

gorge, the boardwalk taking us to various vantage points and through nice habitats. There were various *Stellarias*, some very nice *Astragalus frigidus*, and Roderick made a star find – the lovely little gentian relative *Comastoma tenella*. Roderick also found its cousin *Gentianella amarella* growing on a roadside verge. Another nice find was the non-flowering *Silene wahlbergella* – that is you can't see the flowers because they are inside the Calyx, and we also saw *Stellaria borealis*, another plant that doesn't have flowers, in this case it doesn't have petals at all, the flowers being just the stamens and stigma subtended by sepals!

Lunch was taken on the bench by the wildlife information centre which we also visited.

In the afternoon the showers had disappeared and the weather as altogether brighter though the winds also

became keener and it felt somewhat cooler. We spent an hour and a half exploring a little bit of the Abisko-Björkliden path and some hummocky areas of tundra between it and Torneträsk Lake. Bramblings, Lesser redpolls and Great Tits were in the birches. There were some nice populations of orchids here, especially the *Pseudorchis straminea* which was rather common and there were some white forms of Fragrant Orchid too. A surprise was a number of Creeping Ladies Tresses almost in bloom. The sedge *Carex capitata* was distinctive. Down by the shoreline we found some nice *Cardamine nymannii* and the fine little rush *Juncus triglumis*. Best though was undoubtedly the three fine spikes of the Kings-spear *Pedicularis sceptrum-carolinum*, the pale yellow blooms each tipped with magenta.

Some now elected to return to the hotel as the late afternoon entertainment was to be a bit of scramble. That turned out to be an understatement! We walked up the north side of Njulla Mountain just a short distance but with no path through a damp contorted birch forest before exploring an impossibly steep and slippery gully it was rather difficult. But we found our quarry, even if there was only one! The orchid *Platanthera oligantha* subspecies *obtusata*. This is a rare plant in Scandinavia and only found north of the Arctic Circle. Nearby *Silene acaulis* and the fern *Asplenium viride* were on the



Platanthera oligantha

rocks and *Cassiope tetragona* flowered on the tundra. We had an altercation with a bee's nest on the way down. There was a large stand of *Cicerbita* in bud, masses of the delicate *Cystopteris montana* growing in mosses, and under the birches quite a lot of Herb Paris. Bluethroat and a male Arctic Redpoll were seen.



Parnassia palustris

Day 4 July 10th Njulla Mountain

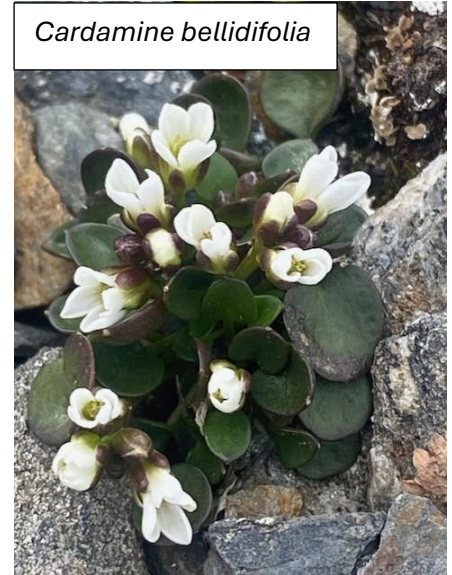
The weather again wasn't so hot at breakfast but the forecast promised better so he girded our loins and headed for the chair lift in Abisko with worried glances at the mountain top which seemed regularly swathed in cloud!



Ranunculus glacialis



Ranunculus nivalis



Cardamine bellidifolia

We needn't have worried, by the time we were getting on our chairs (we were the first ones) the weather was already lifting and in fact the morning turned out pleasant another and by the time we ate our picnic it was already sunny and getting warmer by the minute. There was even the odd butterfly our and about in the afternoon.

It is questionable whether we would have noticed any butterflies in the morning as the diverse and sometimes beautiful flowers of Njulla Mountain very much held our attention. We covered the ground steadily uphill to the first snow patches but after that we went at a crawl as there was so much to see. Patches of *Dryas octopetala* were in nice condition and so too some large patches of Roseroot, *Rhodiola rosea*. We learnt that the male and female flowers differ markedly hence the apparent two colour forms. Around the snow we found a heavenly show of *Ranunculus glacialis*, the blooms varying from pure white to deep reddish-pink. These grew with round mats of and the little cress *Cardamine bellidifolia*. We started to find saxifrages. Below the snow was a fine show of *Micranthes stellaris* whilst above it was the lovely *Saxifraga oppositifolia*. On damp areas on the slope above and on the rocky benches thereon were large populations of the Saxifrages *Micranthes tenuis*,



Harrimanella hypnoides



Cassiope tetragona

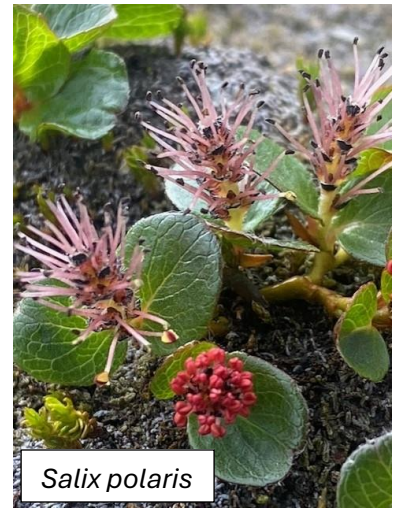


Pedicularis hirsuta



Saxifraga rivularis

Micranthes foliolosa, and the lovely little *Saxifraga rivularis*. Arne had already located the polar *Erigeron humilis* lower down and here it was again on the rocks sometimes growing close to its cousin *Erigeron uniflora*. We found a second *Cassiope, tetragona*, flowering up here, and there were patches of both *Phyllodoce* and *Kalmia procumbens* too. Buttercups were rather good. *Glacialis* might take the plaudits but almost as good was the brilliant yellow *nivalis*,



Salix polaris

and there was little *Ranunculus pygmaeus*, and then a superb form of *acris* which surely ought to be a different species! Little *Veronica alpina* was enjoyed. There was quite a bit of *Pedicularis lapponica* but here a new lousewort, pink and white *Pedicularis hirsuta*. Red *Rubus arcticus* was here and there and in one shadey gully was some very large white flowered *Rubus chamaemorus*. Needless to say there were more Carexes. *Carex lachenalii* and *Carex norvegica* were the common species, and *Carex bigelowii* too. New was *Carex fuliginosa* subspecies *misandra*. *Juncus triglumis* and little *Juncus biglumis* were common. Amongst several rather fine alpine grasses *Agrostis mertensii*, *Poa alpina*, and the strange *Phippsia algida* stood out. Near the chairlift station was some fine *Gentiana nivalis*.

Butterflies started to appear as we headed back to the chairlift, notably Dewy Ringlet.

We also found a female Ptarmigan with at least eight chicks as we neared refreshment. Other birds seen during the excursion were few, though Caroline glimpsed male Snow Buntings, and Northern Wheatears were seen.

We stopped for a cup of tea at the Chair Lift Café, the world around us now full of sparkling sunshine and fantastic views. The descent on the chairs was relaxing and then it was back to the hotel, a trifle earlier than usual! Checklists then dinner, tonight a starter of buffalo mozzarella served in a striking and tasty way, and then a main course of Salmon, both of which were delicious.

Keith and Lynn unfortunately had to visit the hospital in Kiruna. On their early am return to the hotel they were fortunate enough to see a Northern Hawk Owl!

Day 5 July 11th Norway

As expected the view outside at breakfast was wet. We had decided that on this, the wettest day of the tour we would of course go to Norway! Mainly because this was the day we'd spend the most time travelling in the minibuses, not because Norway is nicer in the rain!

We stopped in Riksgränsen for picnic supplies and then crossed the border. It is perhaps a cliché to say that it was obvious we were in Norway straightaway, but there is a strong element of truth in this. The landscape became rockier, and now there were cute little wooden houses perched on picturesque knolls overlooking little lakes. We stopped in a valley where the road verges were full of

Dactylorhiza fuchsii, though there was a lot of discussion as to whether they were really *fuchsii* or *maculata*. There was a nice pure white one and also some gone-over Coralroot Orchid. Now we wound down towards the coast, and the scenery really became very different. We were in Fjordland. Impressive steep-sided mountains dropped precipitously into still dark waters. The slopes lower down were cloaked in something much more akin to what we think of as forest rather than the stunted birches of Abisko. We stopped when we reached the coast and took a walk alongside the shore. Of course straightaway the flora was quite different from Abisko. Here Scot's Lovage and Field Sow-thistle grew by the shore along with saltmarsh plants such as Marsh Arrowgrass, *Plantago maritima* and lots of lovely *Lysimachia maritima*. There were new sedges like *Carex maritima* and *Carex glareosa* and the spikerush *Eleocharis uniglumis* was dominant in damp areas alongside *Juncus gerardii*.

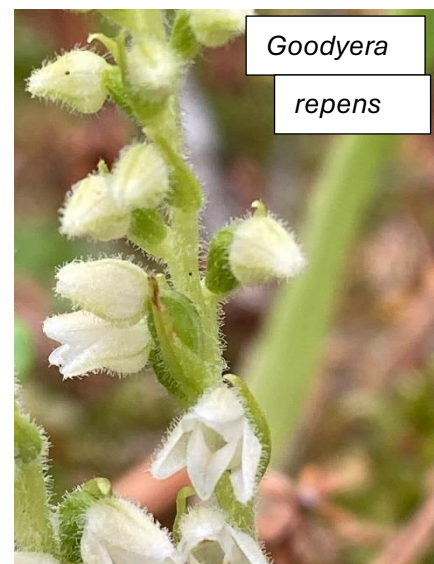


On rocks were fine displays of *Sedum acre* and a little *Sedum annuum* and *Saxifraga cespitosa*. The woodland edge held ferns such as *Dryopteris filix-mas*, *Dryopteris expansa* and *Phegopteris connectilis*. *Saussurea alpina* was in flower and we also found *Galeopsis tetrahit*, Marsh Arrow-Grass and the fine grass *Leymus arenaria*. Three Red-breasted Mergansers flew by. Meanwhile others had waded along the cliffside path where a diving platform high above the sea was both noteworthy and scary. Various *Ribes* were going into fruit, *Calluna vulgaris* just coming into flower and there was a fine *Epipactis atrorubens* too. Northern Wall Brown was seen.

It was still raining but things were looking a little brighter as we drove south through Narvik, passing two huge container ships being loaded with iron-ore. We entered Skjomen Fjord. This was hugely scenic with 1700m and glaciers as a backdrop and plentiful waterfalls cascading down the cliffs. Our attempt at finding a picnic out on a promontory failed when the road turned out to be private, but we found a nice enough place a kilometre further along and so took our picnic on a rocky shore overlooking the fjord. Parent and baby Harbour Porpoise cruised past. There were a number of Oystercatchers. Around us on the rocks was much *Sagina nodosa* and some *Gentianella aurea* in flower too. The sedge *Carex viridula* was new.

We started heading back making some short stops along the fjord as we went. A mossy forested bank had much *Salix caprea* and *Alnus incana* growing with the pines and birches. The forest understory in one area was a mass of *Matteucia struthiopteris*. Further along we stopped at a bay where the birdlife was excellent, notably the large numbers of Velvet Scoter and Common Eider. There was also a distant Black Guillemot, several Red-breasted Mergansers, Redshank and several Great Northern Divers.

Our last stop was by shore of Rombaken, the fjord just north of Narvik. Arctic Terns were on the beach and I found an adult White-tailed Eagle's 4th primary feather. Big! Our target here was the lovely Oyster Plant and we duly found lots of it. Under nearby



pinus we enjoyed a fine show of Creeping Ladies Tresses, some of them already in flower. Here too was the One-flowered Wintergreen, and though the majority were well finished Hugh managed to unearth a small group still in perfect flower.

And then it was back into Sweden and Björkliden where we looked forward to another delicious dinner.

Day 6 July 12th Trollsjön

Breakfast saw us a little undecided. The forecast was good but try telling that to the outside world! It was definitely raining outside! We decided to trust the forecasts – they had been very accurate all week – and so headed off to Riksgränsen to pick up our picnics and thence to the trailhead to Trollsjön. Trollsjön is a fantastic majestically scenic glaciated valley with a perfect blue or turquoise tarn at the end surrounded by an impressive cirque. Sadly low cloud scudded by obscuring the walls of the valley and it rained on and off for a while. To be fair it did stop raining and occasionally the cloud lifted a bit but we didn't get to experience the scenery part of Trollsjön properly. The flowers on the other hand we did.



Trollius europaeus

The walk up Trollsjön is 5km and 6km from the One starts with a short where the forest floor is abundant *Cornus suecica*. drag up slopes with an flora, the diversity rising enter the main valley. A sentinel here. From here through swathes of Globeflowers, Red



Euphrasia salisburgensis



Silene dioica

a long one, between trailhead to the tarn. section through birch literally carpeted with Then there's a long always 'improving' as we do. Then you Long-tailed Skua sat on in we walked flowers. Initially Campions and Wood

Cranesbills changing to *Viola biflora* (acres!) and *Astragalus*. We found new species such as *Oxytropis lapponica*, *Micranthes nivalis* and *Pyrola media*. There was *Draba fladnizensis*, *Potentilla nivea* and *Epilobium hornemannii*. Our picnic was taken by the tarn, no blue or turquoise today though as it looked a sullen grey. One Common Gull was in residence. Up by the cliffs we found *Minuartia stricta*, the delicate *Euphrasia salisburgensis*, and the only *Chamorchis alpina* of the trip. We saw a little *Diapensia* in flower. On the scree slopes on the other side of the lake there was *Ranunculus glacialis*



Pseudorchis straminea

and *Ranunculus nivalis*, also several saxifrages including *oppositifolia*, *tenuis*, *cespitosa* and *rivularis*. On the way down a flat wet meadow held much *Caltha palustris*, some still in flower. Bluethroats were seen. Down by the parking area a bog held the little sedge *Carex pauciflora*.



Chamorchis alpina

Then it was back for a much need beer/cuppa and then dinner. Tonight Toast Skagen as a starter, a tasty mix of brioche toast and prawns, followed by entrecote and chips. Very nice.

Day 7 July 13th

Abisko Nature Trail and Låktatjåkko Trail

This morning there was a lovely sunny vista at breakfast! We headed down to Abisko and spent the morning walking the nature trail there. By now we were familiar with almost all the flora though it was nice to see good stands of some of the commoner species. Butterflies were out in numbers this morning with lots of Small Pearl-bordered Fritillaries, some Moorland Clouded Yellows, lots of Cranberry Blues and a few Idas Blues. Lynn photographed a fine Thor's Fritillary. A Common Sandpiper was along the river and a family party of Pied Flycatchers moved through the birches. Two Red-throated Divers were on Vuolip Njáhkájávri. Azure Hawkets flew about the edge of the water there. We found a nice population of Herb Paris and then down by the river edge was mats of *Antennaria dioica*. We found *Rhododendron lapponicum* but it was well past its flowering time.



Saxifraga oppositifolia

We collected our picnics and headed back to the hotel and enjoyed them on the benches outside in full sun. Our afternoon was spent on the Låktatjåkko Trail which rises to the southwest from the hotel. We each walked as far as we wanted before returning the hotel. It was a very good walk with a rich variety of plantlife. It started with lots of *Gentiana nivalis* flowering by the trackside. Then we



found the uncommon *Carex x saamica* growing in abundance around a little pool. As we rose we found so many of the special plants we seen during the week. There was *Erigeron humilis* with its velvety black phyllaries, wonderful patches of *Saxifraga aizoides*, *Pinguicula alpina* with its yellow-spotted white flowers, and a stand of the almond-scented *Cystopteris montana* under a rocky ledge. *Veronica alpina* was particularly fine and as we reach snow patches we started to find nice *Ranunculus nivalis* and white and pink *Ranunculus glacialis*. Here there was more *Saxifraga oppositifolia* than we'd yet seen, with colours varying from deep purple-pink to pale mauve-pink. There were wonderful stand of *Viola biflora*, and perfect clumps of *Rhodiola rosea* begging to be photographed with a lake and mountain background. Speaking of which the views of Torneträsk lake far below us were wonderful this afternoon, the lake's surface almost mirror calm. We started to find lots of fungi. There was something very similar to a tiny Cep, also red *Russula nana/emerita* and the deceiver *Laccaria laccata*. On the top of a rock a beautiful Long-tailed Skua allowed me to within two metres! Golden Plover were everywhere and Redshank and Ringed Plover seemed to be breeding too. There was nice flowering *Diapensia lapponica* and more saxifrages – *cernua*, *tenuis*, *rivularis* and lots of lovely *stellaris*.

Then it was back for checklists and dinner, which tonight featured Arctic Char and a Lingonberry crème brulee for pudding. Yum!

Day 8 July 14th Kiruna!



We awoke to brilliant warm sunshine but only had a short time to enjoy it at breakfast before leaving for the airport at 07.20! Torneträsk lay gleaming by the road and the green birch forests shone too. A beautiful morning. Half way along the lake's shore and suddenly there was a male Reindeer trotting along the road in front of us. We followed for a short while, then he turned off the road and looking far more natural in the dryas heath, stared back at us. He had an impressive set of antlers covered in a thick layer of velvet. A fine animal. He was not strictly speaking truly wild, the Reindeer in this region are semi-domesticated.

We arrived into Kiruna on time, filled up the diesel tank (for the only time on the trip!) and headed to the airport, where our serene progress was rudely interrupted by the news that almost all of us had been bumped off our flight to Stockholm, and put on one four and a half hours later. Not great. But at least it gave us time to go and have a good walk. We headed for the Rymbcampus, the Swedish Institute of Space Research. A track behind the institute leads into the Aptasvare Nature Reserve, a huge tract of some 130 square kilometres of protected old-growth montane tundra forest interface. The habitat was very different from what we'd seen at Abisko. Here the rolling hills were covered in an open forest dominated by Scots Pine and Spruce, with Birches relegated to third. Many of the Scots Pines were tiny but clearly already quite old. The understorey was rather monotonous, mainly common *Ericaceae*, with *Carex brunnescens* along the path. *Orthilia secunda* was about as exciting as it got. The birds on the other hand... It was a great place for Tits. Siberian Tit was seen and also Coal, Great and Willow Tits. A party of four Siberian Jays was just marvellous, seen for several minutes at close range. And two Bohemian Waxwings flew over. Bramblings were quite common. The fungi too were rather good, with a nice *Russula*, lots of very fine Orange Birch Bolete *Leccinum versipelle*, and *Lactarius* and *Laccaria* species.

We headed into town and the co-op and sorted ourselves a very nice picnic which we took on the shores of Yli Lompolo. This little lake is very attractive, unless you look up at the magnetite mine's spoil heaps to the immediate west. As we enjoyed our picnic in the meadow on the lake we could see Goldeneye with a family of youngsters, and also Slavonian Grebes with young too. *Galeopsis speciosa* grew by the water and *Hippuris vulgaris* in it. Near the airport we found naturalised *Delphinium elatum*.

Systematic List - Plants

PTERIDOPHYTA (club-mosses, horsetails and ferns)

ASPLENIACEAE

Asplenium viride In a cliff where we found *Platanthera oligantha*

ATHYRIACEAE

Athyrium distentifolium Common in the low-alpine zone

Athyrium filix-femina In Narvik area

CYSTOPTERIDACEAE

Cystopteris fragilis Widespread

Cystopteris montana Scattered in the subalpine birch-forest

Gymnocarpium dryopteris Common in the subalpine birch-forest

DRYOPTERIDACEAE

Dryopteris expansa In Narvik area

Dryopteris filix-mas In Narvik area

EQUISETACEAE

Equisetum arvense Common in agricultural areas

Equisetum arvense ssp. *alpestre* In wet areas in the alpine zone

Equisetum palustre Widespread and common

Equisetum pratense Widespread

Equisetum scirpoides By the lake Torneträsk. A rare species

Equisetum sylvaticum Common in the subalpine birch-forest

Equisetum variegatum Widespread in the low-alpine zone

LYCOPODIACEAE

Diphasiastrum alpinum Widespread and common in the low-alpine zone

Huperzia arctica Widespread and common in the alpine zone

Lycopodium annotinum ssp. *alpestre* Common in birch forests and in the low-alpine zone

Lycopodium annotinum ssp. *annotinum* Scattered in birch forests

ONOCLEACEAE

Matteuccia struthiopteris One place in Narvik area

OPHIOGLOSSACEAE

Botrychium lunaria Björkliden and Abisko

POLYPODIACEAE

Polypodium vulgare In Narvik area

SELAGINELLACEAE

Selaginella selaginoides Scattered in the low-alpine zone

THELYPTERIDACEAE

Phegopteris connectilis In Narvik area and by Abisko canyon

WOODSIACEAE

Woodsia alpina Abisko canyon and in Narvik area

Woodsia glabella Abisko canyon

MAGNOLIOPHYTA

AMARANTHACEAE

Atriplex sp. By the sea together with *Galium aparine*

APIACEAE (Umbelliferae)

Angelica archangelica Common

Angelica sylvestris In Narvik area

Anthriscus sylvestris Widespread and common in roadsides

Carum carvi In Narvik area

Heracleum sphondylium In a roadside in Narvik area

Ligusticum scoticum Close to the sea in Narvik area. Common

ASPARAGACEAE

Polygonatum verticillatum In a mixed deciduous forest in Narvik area

ASTERACEAE (Compositae)

Achillea millefolium Very common

Achillea ptarmica Recorded once in Narvik area

Antennaria alpina Common in the alpine zone

Antennaria dioica By Abisko river, both male and female plants

Artemisia vulgaris Outside hotell Fjället, Björkliden

Cicerbita alpina Riksgränsen

Cirsium heterophyllum (syn. *C. helenoides*) Widespread in roadsides

Crepis tectorum On cliffs close to the sea in Narvik area

Solidago virgaurea Widespread and very common

Erigeron acer subsp. *acer* On cliffs in Narvik area

Erigeron acer subsp. *politus* Recorded once between Abisko and Björkliden

Erigeron boreale Scattered in the alpine zone

Erigeron humilis Njulla mountain and in the alpine zone above Björkliden

Erigeron uniflora Scattered in the alpine zone

Hieracium alpinum Scattered in the alpine zone

Leucanthemum vulgare Narvik area

Omalotheca norvegica Widespread and common in the subalpine birch forests and in the low-alpine zone

Omalotheca supina Common in areas with thick snow cover during the winter

Petasites frigidus Scattered in the alpine zone

Saussurea alpina Widespread and common. Only a few plants observed with flowers

Sonchus arvensis Near the sea in Narvik area

Tripleurospermum maritimum Near the sea in Narvik area

Tussilago farfara Only leaves

BETULACEAE

<i>Betula nana</i>	Widespread and common
<i>Betula pubescens</i>	Widespread and common
<i>Betula nana</i> x <i>pubescens</i>	Scattered
<i>Alnus incana</i>	Recorded once in Narvik area

BORAGINACEAE

<i>Mertensia maritima</i>	Recorded in one place by the sea in Narvik area
<i>Myosotis decumbens</i>	Widespread and common in subalpine forest

BRASSICACEAE

<i>Arabidopsis arenosa</i>	Abisko
<i>Arabis alpina</i>	Widespread in the alpine zone along streams and on wet ground
<i>Capsella bursa-pastoris</i>	Abisko
<i>Cardamine bellidifolia</i>	On Njulla mountain. Small plant with white flowers
<i>Cardamine nymmannii</i>	On Njulla mountain and in the alpine zone above Björkliden
<i>Draba fladnizensis</i>	On dry cliffs near Trollsjön. Only in fruit
<i>Erysimum virgatum</i>	Abisko
<i>Rorippa palustris</i>	Abisko. Small, yellow flowers

CAMPANULACEAE

<i>Campanula rotundifolia</i>	Widespread and common
<i>Campanula uniflora</i>	Abisko canyon and in the alpine zone above Björkliden

CAPRIFOLIACEAE

<i>Valeriana sambucifolia</i>	Narvik area
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CARYOPHYLLACEAE

<i>Cerastium alpinum</i>	Widespread in the alpine zone
<i>Cerastium cerastioides</i>	Wet ground in the alpine zone, along streams and rivers
<i>Cerastium fontanum</i>	Widespread and common
<i>Cerastium nigrescens</i>	In the alpine zone above Björkliden
<i>Cherleria biflora</i> (syn. <i>Minuartia biflora</i>)	Scattered in the low-alpine zone
<i>Honckenya peploides</i>	By the sea in Narvik area
<i>Moehringia trinervia</i>	Narvik area
<i>Sabulina stricta</i> (syn. <i>Minuartia stricta</i>)	Trollsjön in the cliffs where the orchid <i>Chamorchis alpina</i> was found
<i>Sagina nodosa</i>	On cliffs by the sea in Narvik area
<i>Sagina procumbens</i>	Narvik area
<i>Sagina saginoides</i>	On wet ground in the alpine zone above Björkliden
<i>Silene acaulis</i>	Widespread and common in the low- and mid-alpine zone
<i>Silene dioica</i>	Common
<i>Silene uniflora</i>	By the sea in Narvik area
<i>Silene wahlbergella</i>	Trollsjön and by the chair lift station on Njulla mountain. Not very common. Inflated calyx covering the petals
<i>Stellaria borealis</i>	Yellow-green plant with flowers without petals
<i>Stellaria crassifolia</i>	Abisko canyon and close to the sea in Narvik area. May be two different subspecies
<i>Stellaria graminea</i>	Common in the sub alpine birch forest and roadsides

<i>Stellaria nemorum</i>	Scattered in the subalpine birch forest
CELASTRACEAE	
<i>Parnassia palustris</i>	Widespread and common. The genus Parnassia is named after Mt. Parnassus in Greece (not far from Delphi),
CORNACEAE	
<i>Cornus suecica</i>	Common in the subalpine forest
CRASSULACEAE	
<i>Rhodiola rosea</i>	Widespread from sea level and up into the alpine zone. Separate female (red) and male (yellow) flowers
<i>Sedum annuum</i>	Narvik area
<i>Sedum acre</i>	Narvik area
CUPRESSACEAE	
<i>Juniperus communis</i>	Common in the low-alpine zone
CYPERACEAE	
<i>Carex adelostoma</i>	On wet ground in the alpine zone above Björkliden
<i>Carex aquatilis</i>	Common. A tall species with many spikes
<i>Carex atrata</i>	Very common. 30-40 cm tall with 3-4 spikes hanging down at the same side. Broad leaves
<i>Carex atrofusca</i>	Common on wet, nutrient-rich soil. 20-30 cm tall with 2-3 dark brown spikes hanging down
<i>Carex bigelowii</i>	Very common on dry ground in the alpine zone
<i>Carex brunnescens</i> subsp. <i>brunnescens</i>	Common
<i>Carex brunnescens</i> subsp. <i>vitalis</i>	One record in a wet ditch in Narvik area
<i>Carex capillaris</i>	Widespread on wet, nutrient-rich soil
<i>Carex capitata</i>	Common. One spike (but both sexes on the same spike)
<i>Carex dioica</i>	Common. One small spike. Separate male and female plants
<i>Carex fuliginosa</i> ssp. <i>misandra</i>	Rare plant in the low- and mid- alpine zone. Similar to <i>Carex atrofusca</i> but more yellow-green leaves.
<i>Carex glareosa</i>	Close to the sea in Narvik area together with Eleocharis species
<i>Carex lachenalii</i>	A very common plant on wet ground in the low- and mid-alpine zone
<i>Carex magellanica</i>	Scattered. Long and pointed glumes
<i>Carex maritima</i>	Close to the sea in Narvik area One spike. 10 cm. The utriculuses turning down
<i>Carex nigra</i>	Widespread and common
<i>Carex norvegica</i>	Widespread in the alpine zone
<i>Carex pallescens</i>	Recorded in Narvik area
<i>Carex parallela</i>	Scattered. One spike. 10 cm. Separate female and male plant. Very similar to <i>Carex dioica</i>
<i>Carex pauciflora</i>	One record by the carpark for the walk to Trollsjön
<i>Carex rostrata</i>	Widespread and common on wet ground along small lakes and ponds
<i>Carex rotundata</i>	Stordalen nature reserve
<i>Carex rupestris</i>	One spike. 10 cm with many dry and twisted leaves. Björkliden and Trollsjön

<i>Carex x saamica</i>	Hybridogenous species with <i>C. rotundata</i> and <i>C. rostrata</i> as parents species. Stordalen nature reserve
<i>Carex saxatilis</i>	Widespread and common in wet ground and along streams and rivers. Black spikes
<i>Carex vaginata</i>	A very common species in the subalpine and low-alpine zone
<i>Carex viridula</i>	In a wet spot close to the sea in Narvik area. Very small spikes.
<i>Eleocharis quinqueflora</i>	Close to the sea in Narvik area
<i>Eleocharis uniflora</i>	Close to the sea in Narvik area
<i>Eriophorum angustifolium</i>	Common
<i>Eriophorum scheuchzeri</i>	Common on wet ground in the alpine zone
<i>Eriophorum vaginatum</i>	Common
<i>Trichophorum alpinum</i>	Scattered
<i>Trichophorum cespitosum</i>	Scattered on wet ground in birch forests and the low-alpine zone
DIAPENSIACEAE	
<i>Diapensia lapponica</i>	Scattered in the low- alpine zone. White flowers
DROSERACEAE	
<i>Drosera rotundifolia</i>	Stordalen nature reserve. Only leaves
ERICACEAE	
<i>Andromeda polifolia</i>	Common in nutrient-poor mires
<i>Arctous alpinus</i>	Scattered. The leaves turn deep red during the autumn
<i>Empetrum nigrum</i>	Widespread and common
<i>Harrimanella</i> (syn. <i>Cassiope</i>) <i>hypnoides</i>	Common in areas with thick snow cover during the winter. Small, white and bell-shaped flowers
<i>Kalmia</i> (syn. <i>Loiseleuria</i>) <i>procumbens</i>	Very widespread and common in the low- alpine zone, Small, red and Rhododendron-like flowers
<i>Oxycoccus microcarpus</i>	Scattered in nutrient-poor mires
<i>Phyllodoce caerulea</i>	Widespread and common in the subalpine forest and in the low-alpine zone
<i>Vaccinium myrtillus</i>	Widespread and common
<i>Vaccinium uliginosum</i>	Widespread and common
<i>Vaccinium vitis-idaea</i>	Widespread and common
<i>Moneses uniflora</i>	Narvik area in a pine forest
<i>Orthilia secunda</i>	Abisko
<i>Pyrola media</i>	Trollsjön
<i>Pyrola minor</i>	Widespread in the subalpine forest and the low-alpine zone
<i>Pyrola rotundifolia</i>	Widespread in the subalpine forest
FABACEAE	
<i>Astragalus alpinus</i>	Widespread and common. Blue flowers
<i>Astragalus frigidus</i>	Widespread. Yellow flowers
<i>Anthyllis vulneraria</i>	Roadside in Narvik area
<i>Lathyrus pratensis</i>	Abisko and Narvik area
<i>Lotus corniculatus</i>	Some places in roadsides
<i>Oxytropis lapponica</i>	Trollsjön
<i>Trifolium pratense</i>	Common in roadsides

<i>Trifolium repens</i>	Common in roadsides
<i>Viccia cracca</i>	Common in roadsides
GENTIANACEAE	
<i>Comastoma tenella</i>	Abisko canyon
<i>Gentiana nivalis</i>	Common above Björkliden. Deep blue and star-shaped flowers
<i>Gentianella amarella</i>	Abisko
<i>Gentianella aurea</i>	On sea cliffs in Narvik area
GERANIACEAE	
<i>Geranium sylvaticum</i>	Widespread and common
JUNCACEAE	
<i>Juncus arcticus</i>	Between Abisko and Björkliden
<i>Juncus biglumis</i>	Scattered in wet places in the alpine zone. Two flowers in different height level
<i>Juncus bufonius</i>	In a wet ditch in Narvik area
<i>Juncus trifidus</i>	Widespread and common on dry ground with mostly no snow cover during the winter
<i>Juncus triglumis</i>	Widespread on wet ground. Three flowers beside each other
<i>Juncus filiformis</i>	Not far from the carpark for the walk to Trollsjön
<i>Juncus gerardii</i>	Very common close to the sea in Narvik area
<i>Luzula arcuata</i>	Common in the alpine zone on Njulla mountain
<i>Luzula multiflora</i>	Widespread and common in both the subalpine and low-alpine zones.
<i>Luzula pilosa</i>	In a pine forest in Narvik area together with <i>Moneses</i>
<i>Luzula spicata</i>	Widespread, often together with <i>Juncus trifidus</i>
<i>Luzula wahlenebergii</i>	Njulla mountain
JUNCAGINACEAE	
<i>Triglochin maritimum</i>	Close to the sea in Narvik area
<i>Triglochin palustris</i>	Narvik area
LAMIACEAE	
<i>Galeopsis tetrahit</i>	Narvik area
<i>Galeopsis bifida</i>	Yli Lompopo, Kiruna
LENTIBULARIACEAE	
<i>Pinguicula alpina</i>	In the alpine zone above Björkliden. White flowers
<i>Pinguicula vulgaris</i>	Blue flowers. Widespread and common
LINNAEACEAE	
<i>Linnaea borealis</i>	Widespread and common
MELANTHIACEAE	
<i>Paris quadrifolia</i>	Lots north side of Njulla and nature trail, Abisko
MENYANTHACEAE	
<i>Menyanthes trifoliata</i>	Abisko

ONAGRACEAE

<i>Chamerion angustifolium</i>	Widespread and common along roadsides
<i>Epilobium anagallidifolium</i>	In the alpine zone above Björkliden. Nodding flowers. 5cm
<i>Epilobium collinum</i>	On a cliff in Narvik area. Small plant with cross-shaped stigmas
<i>Epilobium hornemannii</i>	Trollsjön. Club-shaped stigmas
<i>Epilobium montanum</i>	Common. Cross-shaped stigmas

ORCHIDACEAE

<i>Chamorchis alpina</i>	Trollsjön and in the alpine zone above Björkliden
<i>Coeloglossum viride</i>	Widespread
<i>Corallorhiza trifida</i>	In the alpine zone above Björkliden. A saprophytic orchid
<i>Epipactis atrorubens</i>	One record in Narvik area
<i>Goodyera repens</i>	Abisko and in a pine forest in Narvik area
<i>Platanthera oligantha</i>	In a gorge on the north side of Njulla mountain
<i>Pseudorchis straminea</i>	Common the low-alpine zone
<i>Dactylorhiza maculata</i>	Narvik area
<i>Dactylorhiza fuchsii</i>	In a ditch close to Riksgränsen
<i>Listera cordata</i>	Widespread in Abisko and Björkliden

OROBANCHACEAE

<i>Bartsia alpina</i>	Widespread and common in the subalpine forest and in the low-alpine zone
<i>Euphrasia frigida</i>	Widespread and common
<i>Euphrasia salisburgensis</i>	Trollsjön, on the cliffs together with <i>Chamorchis alpina</i>
<i>Euphrasia stricta</i>	probably the widespread larger eyebright along roadsides etc
<i>Melampyrum pratense</i>	Widespread and common
<i>Melampyrum sylvaticum</i>	Widespread and common
<i>Pedicularis hirsuta</i>	Njulla mountain and Trollsjön
<i>Pedicularis lapponica</i>	Widespread and common. Pale yellow flowers
<i>Pedicularis sceptrum-carolinum</i>	By the lake Torneträsk. 40-50 cm with big, pale yellow flowers
<i>Rhinanthus minor</i>	Widespread
<i>Veronica fruticans</i>	Widespread and common in the low-alpine zone. Small and dark blue flowers
<i>Veronica longifolia</i>	Abisko, by the entrance to the canyon
<i>Veronica officinalis</i>	Narvik area
<i>Veronica serpyllifolia</i>	By a small pond in the golf course in Björkliden

PLANTAGINACEAE

<i>Hippuris vulgaris</i>	Yli Lompolo, Kiruna
<i>Plantago major</i>	Common weed

POACEAE

<i>Agrostis mertensii</i>	Very common in the alpine zone, but easy to overlook.
<i>Alopecurus pratensis</i>	Abisko
<i>Anthoxanthum nipponicum</i>	Widespread in the low-alpine zone
<i>Calamagrostis purpurea</i>	Stordalen nature reserve
<i>Deschampsia alpina</i>	Abisko and Njulla mountain. Viviparous

<i>Deschampsia cespitosa</i>	Widespread and common
<i>Avenella flexuosa</i>	Widespread and common
<i>Elymus alaskanus</i> subsp. <i>borealis</i>	Trollsjön, on the cliffs together with <i>Chamorchis alpina</i>
<i>Elytrigia repens</i>	Narvik area
<i>Festuca ovina</i>	Widespread and common, often together with <i>Juncus trifidus</i>
<i>Festuca rubra</i>	Widespread and common
<i>Festuca vivipara</i>	Scattered in the alpine zone
<i>Hierochloa odorata</i>	Trollsjön
<i>Leymus arenarius</i>	On sandy ground close to the sea in Narvik area
<i>Melica nutans</i>	Narvik area
<i>Milium effusum</i>	On the north side of Njulla mountain when searching for <i>Platanthera oligantha</i>
<i>Nardus stricta</i>	Above Björkliden
<i>Phippisia algida</i>	Njulla mountain. A small grass growing in wet places with water from melting snow patches.
<i>Phleum alpinum</i>	Widespread and common
<i>Poa alpina</i>	Widespread and common
<i>Poa alpina</i> var. <i>vivipara</i>	Scattered in the alpine zone
<i>Poa glauca</i>	On dry cliffs, both in Abisko canyon and on Njulla mountain
<i>Poa pratensis</i>	Abisko
<i>Trisetum spicatum</i> covered with silvery hairs	Widespread in the alpine zone. Dark brown spike and stem densely
POLYGONACEAE	
<i>Bistorta vivipara</i>	Widespread and common. White flowers and bulbs
<i>Oxyria digyna</i>	Widespread and common near streams and rivers
<i>Rumex acetosa</i>	Widespread and common
<i>Rumex acetosella</i>	Scattered
PRIMULACEAE	
<i>Lysimachia</i> (syn. <i>Trientalis</i>) <i>europaea</i>	Widespread and common in the subalpine forest. Normally with 7 white petals
<i>Lysimachia</i> (syn. <i>Glaux</i>) <i>maritima</i>	Close to the sea in Narvik area
<i>Lysimachia vulgaris</i>	in flower along Rombaken, Norway
RANUNCULACEAE	
<i>Actaea spicata</i>	In a mixed deciduous forest near the sea in Narvik area
<i>Caltha palustris</i> flower at the latter	Stordalen nature reserve and Trollsjön. Only leaves except some in
<i>Delphinium elatum</i>	naturalised near the airport
<i>Ranunculus glacialis</i>	Njulla and Trollsjön. Flowers first white and later red. Brown hairs on the sepals
<i>Ranunculus acris</i>	Widespread and common
<i>Ranunculus nivalis</i>	Njulla and Trollsjön. Brown hairs on the sepals
<i>Ranunculus pygmaeus</i>	Njulla and Trollsjön. Small, yellow flowers. Often growing together with <i>R. nivalis</i>
<i>Ranunculus repens</i>	Common weed
<i>Thalictrum alpinum</i>	Widespread and common in the low-alpine zone on nutrient-rich soil.

<i>Trollius europaeus</i>	Widespread and very common
ROSACEAE	
<i>Comarum palustre</i>	Scattered in wet places/open water
<i>Dryas octopetala</i>	Widespread on limestone in the low- and mid-alpine zone. 8 petals (« <i>octopetala</i> »)
<i>Filipendula ulmaria</i>	Common in road sides
<i>Fragaria vesca</i>	Narvik area
<i>Geum rivale</i>	Widespread in the subalpine forest
<i>Potentilla crantzii</i>	Widespread in the low-alpine zone. 5-lobed leaves
<i>Potentilla nivea</i>	Trollsjön. A rare species with 3-lobed leaves with the underside covered with white hairs.
<i>Rubus arcticus</i>	Scattered. Red flowers
<i>Rubus chamaemorus</i>	Widespread and common.
<i>Rubus saxatilis</i>	Widespread in the subalpine forest
<i>Sibbaldia procumbens</i>	Widespread and common. 3-lobed leaves and small, yellow flowers
<i>Sorbus aucuparia</i>	Common In the subalpine forest
RUBIACEAE	
<i>Galium aparine</i>	Close to the sea, among rocks in Narvik area
SALICACEAE	
<i>Populus tremula</i>	Narvik area
<i>Salix arbuscula</i>	Abisko. Not a very common species
<i>Salix caprea</i>	Narvik area, close to the sea
<i>Salix glauca</i>	Very common in the low-alpine zone
<i>Salix hastata</i>	Widespread in the subalpine forest and in the low-alpine zone. Leaves with stipules
<i>Salix herbacea</i>	Widespread in the alpine zone. The smallest of all willows (together with <i>S. polaris</i>). Fruits shiny red without hairs.
<i>Salix lanata</i>	Widespread in the low-alpine zone, often together with <i>Salix glauca</i> . Leaves with stipules
<i>Salix myrsinites</i>	Widespread on wet, nutrient-rich soil. Shiny, green leaves. Often with dry and brown remains of leaves from last year
<i>Salix phylicifolia</i>	Widespread. The largest of the mountain willows – like a small tree
<i>Salix polaris</i>	Similar to <i>S. herbacea</i> in size, but fruits red-violet and covered with grey hairs
<i>Salix reticulata</i>	A small willow (5-6 cm) on limestone. Leaves dark green on the upper side and grey on the underside
SAXIFRAGACEAE	
<i>Micranthes foliolosa</i>	Njulla mountain, in wet places which have a thick snow cover during the winter. Many bulbils and some times with a small, white flower
<i>Micranthes nivalis</i>	Scattered on dry places in the alpine zone
<i>Micranthes stellaris</i>	Widespread and common on wet places
<i>Micranthes tenuis</i>	Njulla mountain on wet ground
<i>Saxifraga aizoides</i>	Widespread and common along streams and rivers. Both yellow and orange flowers

Saxifraga cespitosa

Saxifraga cernua

Saxifraga oppositifolia

Saxifraga rivularis

Scattered in the alpine zone. Also in Abisko canyon

One big, white flower at the top of the stem. Dark red clonal buds which will fall off and grow up to genetically identical plants

Widespread on wet, nutrient-rich places. A few plants still in flower on Njulla mountain, quite a lot on the Låktatjåkko Trail

Widespread on wet and shady places

TOFIELDIACEAE

Tofieldia pusilla

Widespread and common in the low-alpine zone

VIOLACEAE

Viola biflora

A very common species in the low-alpine zone. Yellow flowers



Systematic List Number 2

Birds



Great northern diver	<i>Gavia immer</i>	several Håkvik Bay south of Narvik
Red-throated diver	<i>Gavia stellata</i>	Several on various small lakes
Black-throated diver	<i>Gavia arctica</i>	Single on roadside lake on the way to Kiruna
Slavonian grebe	<i>Podiceps auritus</i>	a family, Yli Lompolo, Kiruna.
Grey heron	<i>Ardea cinerea</i>	scattered, mainly Norway
Shelduck	<i>Tadorna tadorna</i>	Roderick saw a pair with chicks, Håkvik Bay south of Narvik
Wigeon	<i>Anas penelope</i>	several Yli Lompolo, Kiruna
Teal	<i>Anas crecca</i>	1, Yli Lompolo, Kiruna
Common Eider	<i>Somateria mollissima</i>	50+ Håkvik Bay south of Narvik
Velvet Scoter	<i>Melanitta fusca</i>	100+ Håkvik Bay south of Narvik
Goldeneye	<i>Bucephala clangula</i>	several Yli Lompolo, Kiruna
Red-breasted merganser	<i>Mergus serrator</i>	scattered in Norway
White-tailed Eagle	<i>Haliaeetus albicilla</i>	1 over Abisko. Also, a primary feather found in Norway
Rough-legged buzzard	<i>Buteo lagopus</i>	staggeringly, none seen!
Ptarmigan	<i>Lagopus mutus</i>	one with many chicks on Njulla Mountain and 1 Trollsjön
Oystercatcher	<i>Haematopus ostralegus</i>	several, Norway.
Golden plover	<i>Pluvialis apricaria</i>	locally frequent in higher altitude areas
Ruff	<i>Philomachus pugnax</i>	1 Stordalen
Common snipe	<i>Gallinago gallinago</i>	2 on road on the way to Kiruna and heard elsewhere

Woodcock	<i>Scolopax rusticola</i>	singles in several places, some 'roding'
Whimbrel	<i>Numenius phaeopus</i>	Noted Stordalen, Njulla and along the nature trail at Abisko
Common redshank	<i>Tringa totanus</i>	Small numbers throughout.
Wood sandpiper	<i>Tringa glareola</i>	Small numbers throughout – commonest wader
Common sandpiper	<i>Actitis hypoleucos</i>	Odd singles.
Long-tailed skua	<i>Stercorarius longicaudus</i>	Two above Björkliden, 1 Njulla Mountain, 2 Trollsjön and 2 Läktatjäkko Trail
Common gull	<i>Larus canus</i>	Small numbers daily.
Herring gull	<i>Larus argentatus</i>	A few in Norway.
Great black-backed gull	<i>Larus marinus</i>	1 in Norway.
Common Tern	<i>Sterna hirundo</i>	1 in Norway
Arctic tern	<i>Sterna paradisea</i>	several at Stordalen, also noted Norway
Black Guillemot	<i>Cephus grille</i>	1 Norway
Rock Dove	<i>Columba livia</i>	Feral Pigeon. Kiruna
Northern Hawk Owl	<i>Sturnia ulula</i>	Keith & Lynn saw en route from Kiruna to Abisko at about 2am
Sand martin	<i>Riparia riparia</i>	Yli Lompolo on the last day.
Meadow pipit	<i>Anthus pratensis</i>	Abundant and widespread.
White wagtail	<i>Motacilla alba</i>	recorded daily
Dipper	<i>Cinclus cinclus</i>	1 at the Abisko Gorge and 1 Trollsjön
Bohemian Waxwing	<i>Bombycilla garrulus</i>	2 seen Aptasvare Nature Reserve, Kiruna, heard elsewhere
Bluethroat	<i>Luscinia svecica</i>	Occasionally encountered, always a treat.
Northern wheatear	<i>Oenanthe oenanthe</i>	frequent at higher altitudes
Fieldfare	<i>Turdus pilaris</i>	Widespread and frequently encountered.
Song thrush	<i>Turdus philomelos</i>	1 at the hotel Björkliden
Redwing	<i>Turdus iliacus</i>	Frequently encountered.
[Sedge warbler]	<i>Acrocephalus schoenobaenus</i>	Singing at Yli Lompolo (Kiruna) on the last day.
Willow warbler	<i>Phylloscopus trochilus</i>	Common.
Chiffchaff	<i>Phylloscopus collybita</i>	frequent, still singing
Pied flycatcher	<i>Ficedula hypoleuca</i>	1 Björkliden, and a family on the nature trail Abisko
Great tit	<i>Parus major</i>	scattered
Blue tit	<i>Parus caeruleus</i>	Norway
Willow tit	<i>Parus montanus</i>	Only noted Aptasvare Nature Reserve, Kiruna
Siberian tit	<i>Parus cinctus</i>	2 Aptasvare Nature Reserve, Kiruna, on the last morning (also 2 there the hour before the group arrived)
Siberian Jay	<i>Perisoreus infaustus</i>	family party Aptasvare Nature Reserve, Kiruna, on the last morning
Magpie	<i>Pica pica</i>	Small numbers daily.
Hooded crow	<i>Corvus cornix</i>	Small numbers daily.
Raven	<i>Corvus corax</i>	Small numbers daily.
House sparrow	<i>Passer domesticus</i>	Abisko.
Chaffinch	<i>Fringilla coelebs</i>	Abisko Nature Trail
Brambling	<i>Fringilla montifringilla</i>	widespread in birch forest
Redpoll	<i>Carduelis flammea</i>	Common, frequently heard.
Hoary Redpoll	<i>Carduelis hornemanni</i>	males seen north side of Njulla Mountain and also Trollsjön

Greenfinch	<i>Carduelis chloris</i>	2 Norway
Pine Grosbeak	<i>Pinicola enucleator</i>	a male Aptsavare Nature Reserve, Kiruna, the hour before the group arrived!
Yellowhammer	<i>Emberiza citronella</i>	heard at Abikso
Reed bunting	<i>Emberiza schoeniclus</i>	Occasional in boggy areas
Snow bunting	<i>Plectrophenax nivalis</i>	2 seen well by Caroline in the snow on Njulla Mountain

Systematic list Number 3 Odonata

Azure hawk	<i>Aeshna caerulea</i>	A few seen here and there. Generally cloudy cool weather meant few Odonata
Moorland hawk	<i>Aeshna juncea</i>	Rymdcampus on last morning

Systematic list Number 4 Butterflies



Green-veined white	<i>Artogeia napi</i>	scattered
Pale arctic clouded yellow	<i>Colias tyche</i>	scattered in upland areas
Moorland clouded yellow	<i>Colias palaeno</i>	scattered in upland areas
Idas blue	<i>Plebejus idas</i>	widespread
Cranberry blue	<i>Vacciniina optilete</i>	widespread
Thor's fritillary	<i>Boloria thore</i>	One photographed by Lynn in Abisko.
Mountain fritillary	<i>Boloria napaea</i>	A few seen Njulla Mountain
Small pearl-bordered fritillary	<i>Clossiana selene</i>	One seen well in Norway.
Northern wall brown	<i>Lassiomata petropolitana</i>	Norway
Arran brown	<i>Erebia ligea</i>	Abisko
Dewy ringlet	<i>Erebia pandrose</i>	scattered in upland areas

Systematic list Number 5 Mammals

Species in brackets were recorded by sign or found dead on road (DOR)

Harbour porpoise	<i>Phocoena phocoena</i>	Two in on Ofotfjorden (Norway), some showed well, close-in in flat-calm conditions.
Red fox	<i>Vulpes vulpes</i>	One roadside en route to Abisko.
(Stoat)	<i>Mustela erminea</i>	1 DOR Abisko
(Moose)	<i>Alces alces</i>	Dung and tracks throughout
Reindeer	<i>Rangifer tarandus</i>	Sign throughout. Just 1 seen but he was a fabulous make and on the road at east end of Torneträsk
Mountain hare	<i>Lepus timidus</i>	2 seen on Njulla mountain.

Systematic list Number 6 Amphibians

Common frog	<i>Rana temporaria</i>	Recorded here and there.
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