

Slovenia

The Julian and Karawanken Alps

A Greentours Tour Report

6th to 14th July 2013

Led by Paul Cardy

Report and Systematic Lists by Paul Cardy

Gordon, Heather, and I arrived in Bovec the day before the tour started, having driven from the Dolomites tour. On the Saturday I drove to Ljubliana to meet the rest of the group at the airport, and we took the scenic route back via Vrsic, arriving at the hotel in the evening, and we all enjoyed dinner outside, with fine views of the Soca valley as a backdrop. This was our base for the first four nights of the tour.

As usual the trip produced a wealth of plants, among them some very pleasing additions to the list, even after several years of this tour. The Slovenia tour follows on from the Dolomites, and precedes the Maritime Alps tour, a Greentours summer Alpine Trilogy, allowing the interesting possibility of combining two or even all three tours.

A fascinating aspect of the tour this year was Tim's interest and knowledge of fungi. Most sites we visited produced at least something of note, and several days produced quite a selection of often very diminutive species. We all learnt a lot from Tim, and his enthusiasm continued with us to the Maritime Alps, where Heather, Gordon and I were still on the look out for fungi wherever we went.

On the first full day we set out under complex skies, taking the narrow road leading onto the slopes of Mangart, the highest road in the country. This is a superb area and a full day here yielded many fine things. The first stop was to admire the very special endemic *Campanula zoysii* although in the late season this year, for the first time we did not see this species in flower, only in leaf. This is a most unusual campanula with a very distinctively shaped flower. Edelweiss was a bonus here, and *Silene quadrifida* was very attractive. *Genista radiata* dominated the slopes at these mid levels.

There were many other fine flowers on the drive up but we headed purposefully for the end of the road, above the tree line. So having parked we set out on foot to explore the grassy slopes and boulders. It was soon apparent just what an unusual year it was here, with much of the flora a month or so behind. In the turf *Gentiana pumila* and *Gentiana verna* were common, *Potentilla brauneana* was in flower, and the lovely *Potentilla nitida* was impressive. Globeflower was still in bloom, and two bonuses of the late season were *Primula halleri* and *Primula auricula* both still in fine flower. Oxlips were also still in flower, as was *Erica carnea*. There was much of the white flowered *Pinguicula alpina*, and the eastern alpine endemic *Ranunculus traunfellneri*. There were

also some fine *Ranunculus hybridus*, and *Lloydia serotina* in numerous flower was another highlight.

Saxifraga sedoides bloomed at the base of a cliff, *Valeriana elongata* was a pleasing find, and *Allium victorialis* and *Allium kermesinum* were in bud. Shady rocks had much *Viola biflora*. Moonwort, *Veronica aphylla*, *Hedysarum hedysaroides*, *Oxytropis jacquinii* in bud, *Moehringia ciliata*, *Minuartia sedoides*, *Silene acaulis*, *Erigeron alpinus*, *Saxifraga paniculata*, *Dryas octopetala*, and *Juncus jacquinii* were among the many other species. A bonus were the fine views down into Italy and across to the peaks of Austria.

Net-leaved, Thyme-leaved, and Retuse-leaved Willow formed creeping ground cover. *Saxifraga androsacea* was in flower, whilst *Saxifraga burseriana* was mostly in fruit, but it was very pleasing to find one still in bloom this year. There were a few plants of *Paederota bonarota*, the yellow flowered *Paederota lutea* being much commoner here. *Carex rupestris* and *Carex parviflora* were here for those who appreciate sedges. *Geum montanum* grew in the short turf. One of the highlights of the trip came when I spotted above us some powdery blue cushions. King of the Alps new for the Slovenia tour! There were some fine examples of this always very special plant.

Among the many other species seen here today were *Anemone trifolia*, *Clematis alpina*, *Aquilegia atrata*, *Polygala chamaebuxus*, *Gentiana clusii*, *Gentiana nivalis*, *Cyclamen purpurascens*, *Senecio abrotanifolius*, and much *Helleborus niger* in leaf. *Dianthus sternbergii* was in fine flower lower down.

The late season meant few butterflies but Dewy Ringlet was typical of the habitat. Alpine Chough, and Water Pipit were among the birds, and Alpine Marmots whistled from the slopes.

This year the Kanin cable car station in Bovec was closed indefinitely. Being unable to ascend to the upper Kanin slopes meant we missed the chance of seeing a few special plants, but we caught up with most at other sites and indeed found some special things due to having the time to visit new areas. Species we did miss were the yellow *Papaver aurantiacum*, white *Papaver ernesti-mayeri*, *Thlaspi rotundifolium*, *Saxifraga squarrosa*, and the architectural composite *Stemmacantha rhapsodica*.

Instead of Kanin we visited a new area just over the border in the Italian part of the Julian Alps, which proved a fine alternative and produced some great finds. The short drive up and over the Predil pass was beautiful, through lovely forest, this on the Italian side being the Tarvisio forest. The mountain scenery was superb and it's hard to believe these are not very high mountains, being only around the 2,500m mark, they certainly look impressive and the limestone formations are reminiscent of the Dolomites. At the Predil Pass a ruined late nineteenth century fort was surrounded by flowery meadows that surprisingly however had almost no butterflies in them. Here however were a few Orange Lilies, and there were some fine Coralroot Orchids in fruit on the forest floor. The highlight here was the rare orchid *Malaxis monophyllos* that I found by the roadside at a new site for the species.

A stop in Tarvisio Forest yielded several butterflies, and among the plants were Fir Clubmoss, One-flowered Wintergreen, *Phyteuma ovatum*, *Aquilegia einseleana*, and *Aquilegia nigricans*.

The rest of the day was spent exploring a superb new site. Wood Pink and superb clumps of *Globularia cordifolia* were a feature; *Rhododendron hirsutum* was in flower; notable orchids were *Nigritella rhellicani* and *Leucorchis albida*; and *Phyteuma scheuzeri* ssp. *columnnae*, *Achillea clavennae*,

Trifolium noricum, *Gentiana utriculosa* and *Cerastium subtriflorum* were among the many other species here. Despite the planned picnic we found ourselves near a small refuge at lunch time, and I decided it was sensible to have something to eat there instead, remaining on the higher slopes so we could explore higher up in the after lunch, which was indeed very good at the refuge. Reaching snow patches yielded *Pulsatilla alpina* still in fine bloom, as was the *Rhodothamnus chamaecistus* and again *Primula auricula* on boulders. Both *Soldanella alpina* and *Soldanella pusilla* were numerous in flower by recent snowmelt. *Saxifraga oppositifolia* was still in flower. A special find was *Petrocallis pyrenaica*.

Some five Ibex proved very tame even walking up to us and approaching very closely. This was a fine area, with very floriferous alpine slopes.

The Juliana Botanic Garden is justly popular as a local attraction and the next morning we had a very enjoyable visit to this small garden packed full with mostly local specialities and several endemics, as well as more mundane species and a few non-natives. Willow Gentian was in bloom here. I was pleased to see such specialities as *Pseudolysimachion barrelieri* and *Peucedanum schottii*. There was a good selection of umbellifers generally.

A good find near here was *Silene hayekiana*, there was *Cardaminopsis arenosa*, and several Dark Red Helleborines outside the garden.

Next we returned over the Predil Pass, driving further into the Italian Julian Alps, towards new territory, and we made the first stop beyond the area we had reached the previous day. *Clematis recta* was a feature here, and rocks above roadside streams had the highlight of Devil's Claw in flower. This species is a highlight of our Dolomites tour and it was very pleasing to find it here further east. A rather productive day for butterflies, among species seen were Swallowtail, Black-veined White, Wood White, Pearly Heath, and Southern White Admiral. The attractive *Geranium macrorhizum* was locally common.

River gravels near where I set out the lunch produced the lovely *Matthiola valesiaca* and *Campanula carnica*. Another site yielded *Cerastium sylvaticum* and *Silene pudibunda*. Meadows had fine Martagon Lilies and some fine *Ornithogalum pyrenaicum*. Another trip highlight came with the discovery of a site for the scarce and local *Saxifraga petraea*.

After four nights we said our farewells to the very good hotel in Bovec, heading again north along the Soca Valley, where we paid a visit to the Triglav Visitor Centre.

A short walk beside the beautifully clear Soca River proved one of the best butterfly sites of the tour. Here we saw two female Purple-shot Coppers, Clouded Apollo, Marbled Fritillary, Wood White, Silver-studded Blue, and White Admiral.

In the late season butterflies were fewer than usual but among other notable species seen during the week were Purple Emperor, Duke of Burgundy, Mountain Green-veined White, Arran Brown, Large Ringlet, Woodland Ringlet, Woodland Brown, Pearl-bordered Fritillary, False Heath Fritillary, Heath Fritillary, and Chequered Skipper.

Passing again the botanic garden, the road climbed quickly up to the Vrsic Pass. The white flowered *Campanula thyrsoides* was not yet in flower, but near the pass *Dianthus sternbergii*, and

Senecio abrotanifolius were seen. Below the pass a woodland path produced *Astrantia carniolica*, *Phyteuma spicatum*, Willow Gentian in leaf, and many *Cyclamen purpurascens*.

After a very good snack lunch at a little cafe in a fine situation we took a series of minor roads through excellent forest, arriving mid-afternoon in the tourist centre of Bled, an extremely popular place, situated on a picturesque lake, with its famous island Church of the Assumption. Today we visited the castle and its museum. Then on to Bohinj, busy too, but arriving there at an excellent hotel set a little away from the bustling centre. Later in the evening we enjoyed a good dinner in a small restaurant in town that we returned to on the following evenings.

Our first day here saw us driving west along the southern shore of Bohinj Lake, and thence to the end of the road a few kilometres further along. We took a cable car up to the slopes of Mount Vogel. The views were excellent as we rose above the lake and climbed up to just over 1500m. On the cliffs just below the upper station grows *Campanula zoysii* but again here it was not yet in flower this year. Once out of the cable car we walked slowly up to the nearby chairlift, which would take us a little higher up.

The habitat was dominated by *Pinus mugo*, with the typical associated *Rhododendron hirsutum*. Dewy Ringlet was on the wing. We enjoyed further fine views of the peaks of the Julian Alps, including the highest, Triglav. Special plants up here were *Bupleurum ranunculoides*, *Valeriana saxatilis*, *Phyteuma sieberi*, *Pedicularis rostratospicata* and *Minuartia austriaca*.

After an excellent lunch down near the lake we set out to explore some of the minor roads around Bohinj, initially in the fine Beech forest, where some impressive patches of *Telekia speciosa* bloomed along the roadsides, as well as *Cirsium carniolicum*. East of Bohinj narrow roads took us through a series of unspoilt traditional villages, cut and uncut hay meadows, beech forest; and spruce forest. One large boggy clearing in the forest was particularly interesting, with a small observation platform. A narrow path allowed us access to the sphagnum bog to examine the variety of *Carex* species (notably *Carex pauciflora*), *Rhynchospora alba*, *Eriophorum angustifolium*, *Trichophorum alpinum*, *Scheuchzeria palustris*, *Potentilla palustris*, *Dactylorhiza incarnata*, Cranberry (much in flower), and Grass-of-Parnassus. Bog Rosemary was in leaf and there were many rosettes of *Drosera rotundifolia*. A heavy storm forced us back into the vehicle for a while to sit it out.

The next day a drive of about an hour from Bohinj took us to the Kamniske Savinske Alps, where we took a very impressive cable car up onto the slopes. The climb was steep and quick above the plains, the views superb, but it was surprising we were only taken to about 1500m. Whilst waiting for the hourly departure of the cable car the verges lower down had produced much of interest including Dotted Loosestrife, Crown Vetch, and Limestone Woundwort.

Above the chair lift we reached very flowery slopes. Notable plants here were Frog Orchid, *Doronicum austriacum*, *Saxifraga crustata*, and *Veronica fruticans*. An interesting find was *Euphorbia carniolica*.

Higher up a special find was *Anemone sylvestris* in flower, and on rocks, the distinctive leaves of *Primula wulfeniana*. The special *Nigritella rubra* was numerous in fine flower. A very pleasing find was the very attractive small, pink-flowered *Heracleum austriacum* subspecies *siifolium*, much admired. This is an endemic and very unlike the familiar coarse hogweed.

Crossbill was seen very well atop a spruce tree. This season in the Alps is rather limited bird wise, but among other notable species during the week were Wryneck seen well in Bovec; Crag Martins; and Ring Ouzel.

Tim found many interesting fungi today.

The last full day saw us travelling towards Austria, and the Loibl Pass, the drive taking us along another fine river valley. It took just over an hour to reach the tunnel entrance, from where we set out on foot to walk up to the pass along the old unpaved road, now blocked. This was a very enjoyable walk, untroubled by any traffic at all.

Under the beech and spruce were many Broad-leaved and a few Red Helleborines, and several spikes of Bird's-nest Orchids. *Hacquetia epipactis* was locally common here, with umbellifers generally being a feature of this walk, with many large impressive species in flower, namely much Sweet Cicely, Wild Angelica, *Peucedanum venetum*, *Peucedanum austriacum*, many *Laserpitium siler* and *Laserpitium latifolium*, and Greater Masterwort abundant. A few *Pleurospermum austriacum* were found in Austria.

Splashes of pink were provided by *Linum viscosum*. Rocks had leaves of *Potentilla caulescens*, and *Primula auricula*. *Astragalus glycyphyllos* and *Astragalus cicer* were both in seed, and the *Calamintha nepeta* had a particularly pungent smell. *Lathyrus ochraceus* was added to the list.

The pass itself was very interesting with two pillars erected after the First World War marking the border, and a small wooden refuge at which we could buy drinks. *Lilium bulbiferum* and *Lilium martagon* were both seen. Once again Willow Gentian was in early bud. Tofield's Asphodel, *Stachys alpina*, *Galeopsis pubescens*, *Geranium phaeum*, and *Thalictrum aquilegifolium* were among the other plants recorded here. There was *Lamium oroala* in flower and both Fly Honeysuckle and Alpine Honeysuckle were in fruit. *Cephalanthera damasonium* was added to the list.

Much searching failed to locate any *Orobanche salviae* this year parasitising the *Salvia glutinosa*, at what is usually a reliable site, nor any *Orobanche laserpitii-sileris* on the *Laserpitium*. There were however a few *Orobanche flava* on the colt's-foot.

A great bonus this year was the eastern alpine endemic *Lilium carniolicum* in fine bloom.

A short stop to explore the base of the scree slopes to the west of the tunnel produced a few Lady's Slippers in seed, the endemic *Cerastium subtriflorum*, and *Pyrola rotundifolia*. A highlight here was many *Papaver kernerii* in fine bloom.

On the departure day we did not have to leave Bohinj until late morning, so free time allowed local walks or relaxation before setting out for the airport.

I drove a scenic minor route towards Kranj, and we made a few short stops. At the last picnic site was a small pool with many larvae of Fire Salamander.

Having said farewell to Tim at Ljubljana airport, we headed west back into Italy, and to Venice airport where Gordon and Heather waited for their flight to Nice and the Maritime Alps tour. I reached Turin late that night and stayed there before continuing myself to Nice.

Slovenia Lists 2013

Itinerary

Day 1. Saturday 6th July: Arrival, Kranj to Bovec via Vrsic Pass.

Day 2. Sunday 7th July: Mangart.

Day 3. Monday 8th July: Predil Pass. Sella Nevea (Italy).

Day 4. Tuesday 9th July. Juliana Botanic Garden. Tarvisio Forest. Resia (Italy).

Day 5. Wednesday 10th July. Bovec, Soca Valley, Vrsic Pass, Kranjska Gora, Bled, Bohinj.

Day 6. Thursday 11th July. Vogel. Bohinj. Bog.

Day 7. Friday 12th July. Krvavec.

Day 8. Saturday 13th July. Loibl.

Day 9. Saturday 14th July. Bohinj. To Kranj via Zelezniki. Departure.

Systematic List Number 1

Plants

The systematic order and nomenclature follow 'Flora Alpina', by Aeschimann et al., 2004. *Flora Europaea* was also used to check certain identifications, although much of the nomenclature therein is now out of date. Several species were added to the list this year, and are annotated 2013. The few species seen on the 2008 reconnaissance, or in 2009 2010, 2011, or 2012, but not recorded in 2013, are annotated with the year in which they were last noted.

A. PTERIDOPHYTA Ferns and their allies

Lycopodiaceae

<i>Huperzia selago</i>	Fir Clubmoss	Tarvisio Forest
<i>Lycopodium annotinum</i>	Interrupted Clubmoss	Bohinj area, and forest on transfer day
<i>Lycopodium clavatum</i>	Stag's-horn Clubmoss	Vogel 2011

Selaginellaceae

<i>Selaginella selaginoides</i>	Lesser Clubmoss	Scattered records, e.g. Mangart and Loibl
<i>Selaginella helvetica</i>	Swiss Clubmoss	Soca Valley

Equisetaceae

<i>Equisetum palustre</i>	Marsh Horsetail	Bog near Bohinj
<i>Equisetum fluviatile</i>	Water Horsetail	Bog near Bohinj
<i>Equisetum sylvaticum</i>	Wood Horsetail	Forest edge at bog near Bohinj
<i>Equisetum arvense</i>	Common Horsetail	Scattered records
<i>Equisetum telmateia</i>	Great Horsetail	Forest on the last day
<i>Equisetum hyemale</i>	a horsetail	Soca Valley

Ophioglossaceae

<i>Botrychium lunaria</i>	Moonwort	Mangart and Krvavec
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Polypodiaceae

<i>Polypodium vulgare</i>	Common Polypody	Scattered records
<i>Pteridium aquilinum</i>	Bracken	Widespread
<i>Phegopteris connectilis</i>	Beech Fern	Forests, e.g. Vrsic
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	Rocks at various sites
<i>Asplenium viride</i>	Green Spleenwort	Limestone ledges and boulders at Mangart and Loibl, and various other sites
<i>Asplenium ruta-muraria</i>	Wall-rue	Scattered records, Sella Nevea, Vogel, Loibl
<i>Asplenium fissum</i>	a Spleenwort	Sella Prevala 2008
<i>Asplenium ceterach</i> ssp. <i>bivaleans</i>	Rusty-back Fern	Wild in Juliana botanic garden
<i>Asplenium scolopendrium</i>	Hart's-tongue Fern	Skocjan Caves 2011. PGC on the arrival day 2012.
<i>Athyrium filix-femina</i>	Lady-fern	Forests
<i>Athyrium distentifolium</i>	Alpine Lady-fern	Vogel
<i>Cystopteris fragilis</i>	Brittle Bladder-fern	Sheltered rocks (some may be referable to <i>C. alpina</i>)
<i>Gymnocarpium dryopteris</i>	Oak Fern	Scattered records, e.g. Vrsic, and Italy
<i>Gymnocarpium robertianum</i>	Limestone Fern	Mangart
<i>Polystichum lonchitis</i>	Holly Fern	Scattered records, e.g. Mangart, Sella Nevea, Krvavec

<i>Polystichum aculeatum</i>	Hard Shield Fern	Tarvisio Forest
<i>Polystichum setiferum</i>	Soft Shield Fern	Loibl and Vrsic
<i>Dryopteris filix-mas</i>	Male Fern	Forests
<i>Dryopteris affinis</i>	Scaly Male Fern	Scattered records
<i>Dryopteris villarii</i>	Rigid Buckler-fern	Sella Nevea
<i>Blechnum spicant</i>	Hard Fern	PGC on the arrival day 2012

B. CONIFEROPSIDA Conifer trees and their allies

Pinaceae

<i>Abies alba</i>	European Silver Fir	Co-dominant at Sella Nevea, N of Vrsic
<i>Picea abies</i>	Norway Spruce	Widespread – main forest dominant at mid-altitudes.
<i>Larix decidua</i>	European Larch	Frequent in middle altitudes, locally dominant just below treeline.
<i>Pinus nigra</i>	Austrian Pine	Scattered records, e.g Italy
<i>Pinus sylvestris</i>	Scots Pine	Forest at middle altitudes.
<i>Pinus mugo</i>	Dwarf Mountain Pine	Often dominant 1800-2100m and locally down to middle levels in the understorey.

Cupressaceae

<i>Juniperus c. communis</i>	Juniper	Scattered
<i>Juniperus c.alpina</i>		Widespread

C. ANGIOSPERMS - DICOTYLEDONES

Aristolochiaceae

<i>Asarum europaeum</i>	Asarabacca	In leaf in Italy
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Ranunculaceae

<i>Helleborus niger</i>	Christmas Rose	Widespread and very common in leaf and fruit
<i>Trollius europaeus</i>	Globeflower	Scattered records, in flower at Mangart
<i>Actaea spicata</i>	Baneberry	Loibl Pass etc., in fruit. In flower Tarvisio Forest. In leaf north of Vrsic.
<i>Caltha palustris</i>	Marsh Marigold	Local, in fruit, e.g. Bohinj Bog
<i>Aconitum lycoctonum</i>	Wolfsbane	Widespread and very common [ssp. <i>neapolitanum</i> and <i>vulparia</i>]
<i>Aconitum napellus</i>	Monk's-hood	In leaf at Mangart
<i>Aconitum angustifolium</i>		In leaf in Soca Valley 2010
<i>Anemone t. trifolia</i>	(a wood-anemone)	In flower at Mangart, Vogel, etc.
<i>Anemone sylvestris</i>	Snowdrop Anemone	Krvavec 2013
<i>Hepatica nobilis</i>	Hepatica	Forests, in leaf
<i>Pulsatilla alpina</i>	Alpine Pasque Flower	In seed at several sites. ssp. <i>austriaca</i> . In flower Sella Nevea.
<i>Clematis vitalba</i>	Traveller's-joy	Scattered at mid levels
<i>Clematis recta</i>	Ground Clematis	Italy
<i>Clematis alpina</i>	Alpine Clematis	Mangart
<i>Ranunculus repens</i>	Creeping Buttercup	Recorded

<i>Ranunculus lanuginosus</i>	Woolly Buttercup	Loibl and Italy, in flower
<i>Ranunculus acris</i>	Meadow Buttercup	Scattered e.g Soca
<i>Ranunculus carinthiacus</i>	a mountain buttercup	Scattered at higher altitudes, e.g. Mangart
<i>Ranunculus montanus</i>	Mountain Buttercup	1 plant on Kanin 2012
<i>Ranunculus bulbosus</i>	Bulbous Buttercup	Recorded
<i>Ranunculus hybridus</i>	Hybrid Buttercup	In flower at Mangart
<i>Ranunculus traunfellneri</i>	an alpine crowfoot	Locally common at higher altitudes, e.g. Mangart
<i>Ranunculus aconitifolius</i>	Aconite-leaved Buttercup	Gone over on Hochobir 2012
<i>Ranunculus plataniifolius</i>	a buttercup	Loibl Pass, Sella Nevea, Krvavec
<i>Aquilegia vulgaris</i>	Common Columbine	Vogel and Krvavec
<i>Aquilegia atrata</i>	Dark Columbine	Mangart
<i>Aquilegia nigricans</i>	a columbine	Tarvisio Forest
<i>Aquilegia einseleana</i>	Einsel's Columbine	Italy
<i>Aquilegia bertolonii</i>	Bertoloni's Columbine	Stems sticky hairy in upper part. Tarvisio forest. Udine not given in FA, but occurs in Slovenia as well as western Alps.
<i>Thalictrum aquilegifolium</i>	Great Meadow-rue	Loibl Pass, Sella Nevea, Vogel
<i>Thalictrum minus</i>	Lesser Meadow-rue	Scattered records
<i>Thalictrum simplex</i>	Slim Meadow-rue	1 on Predil Pass 2011
<i>Berberidaceae</i>		
<i>Berberis vulgaris</i>	Barberry	Scattered records, e.g. Bohinj, Soca Valley
<i>Epimedium alpinum</i>		In leaf in Italy 2012
<i>Papaveraceae</i>		
<i>Papaver rhoeas</i>	Common Poppy	Italy
<i>Papaver aurantiacum</i>	an alpine poppy	Yellow flowers. Many in fine flower on Kanin above Bovec. 2012.
<i>Papaver ernesti-mayeri</i>	an alpine poppy	White flowers. In fine flower on Kanin.
<i>Papaver kernerii</i>	an alpine poppy	Yellow flowers. Loible Pass, several.
<i>Fumariaceae</i>		
<i>Fumaria vaillantii</i>	Few-flowered Fumitory	Sella Nevea 2009
<i>Ulmaceae</i>		
<i>Ulmus glabra</i>	Wych Elm	
<i>Ulmus minor</i>	Small-leaved Elm	
<i>Urticaceae</i>		
<i>Urtica dioica</i>	Stinging Nettle	Widespread
<i>Parietaria officinalis</i>	Common Pellitory	Scattered records
<i>Juglandaceae</i>		
<i>Juglans regia</i>	Walnut	
<i>Fagaceae</i>		
<i>Fagus sylvatica</i>	Beech	The typical forest dominant below 1500m
<i>Castanea sativa</i>	Sweet Chestnut	
<i>Quercus cerris</i>	Turkey Oak	Skocjan Caves 2011

<i>Quercus robur</i>	Common Oak	Krvavec
<i>Quercus pubescens</i>	Downy Oak	Skocjan Caves 2011
<i>Betulaceae</i>		
<i>Betula pendula</i>	Silver Birch	
<i>Alnus viridis</i>	Green Alder	
<i>Alnus glutinosa</i>	Alder	
<i>Alnus incana</i>	Grey Alder	
<i>Carpinus betulus</i>	Hornbeam	
<i>Ostrya carpinifolia</i>	Hop Hornbeam	Locally dominant, e.g. Kanin slopes
<i>Corylus avellana</i>	Hazel	

Chenopodiaceae

<i>Chenopodium bonus-henricus</i>	Good King Henry
<i>Chenopodium album</i>	Fat Hen

Caryophyllaceae

<i>Arenaria ciliata</i>	Fringed Sandwort	Mangart, Sella Nevea
<i>Arenaria serpyllifolia</i>	Thyme-leaved Sandwort	Trenta
<i>Moehringia trinervia</i>	Three-nerved Sandwort	Italy 2013
<i>Moehringia muscosa</i>	Mossy Sandwort	Mossy boulders, e.g. Soca Valley, Loibl, Tarvisio, Vogel
<i>Moehringia ciliata</i>	Creeping Sandwort	Mangart and Vogel
<i>Minuartia rupestris</i>	Rock Sandwort	Hochobir, numerous, 2012
<i>Minuartia verna</i>	Spring Sandwort	ssp. <i>verna</i> and <i>collina</i> at Mangart and Kanin
<i>Minuartia capillacea</i>	a sandwort	Sella Prevala 2011
<i>Minuartia austriaca</i>	a sandwort	Vogel and Krvavec
<i>Minuartia sedoides</i>	Mossy Cypsel	Scattered high altitude records, e.g. Mangart
<i>Stellaria nemorum</i>	Wood Stitchwort	Seen in Italy
<i>Stellaria media</i>	Common Chickweed	Recorded
<i>Stellaria graminea</i>	Lesser Stitchwort	Tarvisio
<i>Cerastium julicum</i>	Julian Mouse-ear	Hochobir 2012
<i>Cerastium arvense</i>	Field Mouse-ear	Scattered records
<i>Cerastium alpinum</i>	Alpine Mouse-ear	Mangart and Vogel
<i>Cerastium carinthiacum</i>	Carinthian Mouse-ear	Mangart
<i>Cerastium subtriflorum</i>	Slovenian Mouse-ear	Various sites, e.g. Loibl Pass and Sella Nevea
<i>Cerastium sylvaticum</i>	a mouse-ear	Italy 2013
<i>Cerastium fontanum</i>	Common Mouse-ear	Scattered records
<i>Cerastium glomeratum</i>	Sticky Mouse-ear	Scattered records
<i>Myosoton aquaticum</i>	Water Chickweed	Italy
<i>Sagina saginoides</i>	Alpine Pearlwort	Hochobir and Mangart 2012
<i>Silene nutans</i>	Nottingham Catchfly	Scattered records
<i>Silene viridiflora</i>	a catchfly	Mangart etc. 2010
<i>Silene vulgaris</i>	Bladder Campion	Widespread
<i>Silene hayekiana</i>	a catchfly	Soca Valley etc.
<i>Silene acaulis</i>	Moss Campion	Mangart
<i>Silene exscapa</i>	a moss campion	Mangart

<i>Silene pusilla</i>	an alpine catchfly	Mangart 2012
<i>Silene pudibunda</i>	a catchfly	Italy 2013
<i>Silene quadrifida</i>	an alpine catchfly	Locally very common, e.g. Mangart, Sella Nevea, Vrsic, Vogel
<i>Silene latifolia alba</i>	White Campion	Italy
<i>Silene dioica</i>	Red Campion	Widespread
<i>Lychnis flos-cuculi</i>	Ragged Robin	Vogel, bog near Bohinj
<i>Gypsophila repens</i>	Alpine Gypsophila	Numerous at Sella Nevea
<i>Saponaria officinalis</i>	Soapwort	Roadsides lower down
<i>Petrorhagia saxifraga</i>	Tunic Flower	Scattered records, e.g. Bovec
<i>Dianthus carthusianorum</i>	Carthusian Pink	Roadsides
<i>Dianthus sternbergii</i>	a fringed pink	Mangart, Loibl, etc.
<i>Dianthus sylvestris</i>	Wood Pink	Sella Nevea
<i>Polygonaceae</i>		
<i>Oxyria digyna</i>	Mountain Sorrel	Mangart 2012
<i>Polygonum aviculare</i>	Common Knotgrass	Recorded
<i>Polygonum persicaria</i>	Redshank	Italy
<i>Polygonum viviparum</i>	Alpine Bistort	Mangart and Sella Nevea
<i>Reynoutria japonica</i>	Japanese Knotweed	Bohinjska Valley
<i>Rumex scutatus</i>	French Sorrel	Mangart
<i>Rumex acetosa</i>	Common Sorrel	Widespread
<i>Rumex alpinus</i>	Monk's Rhubarb	Sella Nevea etc., cattle disturbed areas
<i>Plumbaginaceae</i>		
<i>Armeria alpina</i>	Mountain Thrift	Hochobir 2012
<i>Hypericaceae</i>		
<i>Hypericum montanum</i>	Pale St. John's-wort	Loibl Pass, Tarvisio Forest
<i>Hypericum maculatum</i>	Imperforate St. John's-wort	Below Vrsic Pass etc.
<i>Hypericum perforatum</i>	Common St John's-wort	Scattered records, e.g. Tarvisio Forest
<i>Tiliaceae</i>		
<i>Tilia platyphyllos</i>	Large-leaved Lime	
<i>Tilia cordata</i>	Small-leaved Lime	
<i>Malvaceae</i>		
<i>Malva moschata</i>	Musk Mallow	Roadsides, last day
<i>Droseraceae</i>		
<i>Drosera rotundifolia</i>	Round-leaved Sundew	Bog near Bohinj, in leaf
<i>Cistaceae</i>		
<i>Helianthemum nummularium</i>	Common Rockrose	Scattered [Both spp. <i>obscurum</i> and <i>grandiflorum</i>]
<i>Helianthemum alpestre</i>	Alpine Rockrose	Mangart
<i>Helianthemum c. canum</i>	Hoary Rockrose	Recorded 2008
<i>Violaceae</i>		
<i>Viola reichenbachiana</i>	Early Dog-violet	Loibl, in leaf
<i>Viola riviniana</i>	Common Dog-violet	In leaf

<i>Viola biflora</i>	Yellow Wood Violet	Mangart and Vogel. Locally common.
<i>Viola tricolor</i>	Wild Pansy	A few records 2012
<i>Viola kitaibeliana</i>	Dwarf Pansy	Vogel, but out of range?? 2009
<i>Salicaceae</i>		
<i>Salix alba</i>	White Willow	Soca Valley
<i>Salix reticulata</i>	Net-leaved Willow	Mangart
<i>Salix serpyllifolia</i>	Thyme-leaved Willow	Mangart
<i>Salix herbacea</i>	Dwarf Willow	Mangart
<i>Salix retusa</i>	Retuse-leaved Willow	Mangart
<i>Salix alpina</i>	a willow	Mangart
<i>Salix myrsinifolia</i>	Dark-leaved Willow	Noted 2008
<i>Salix mielichhoferi</i>	Austrian Willow	Scattered records
<i>Salix appendiculata</i>	an willow	Sella Nevea etc.
<i>Salix cinerea</i>	Grey Willow	
<i>Salix caprea</i>	Goat Willow	
<i>Salix waldsteiniana</i>	a willow	Soca Valley, Mangart, Loibl
<i>Salix e. elaeagnos</i>	a willow	River gravels in Italy
<i>Salix purpurea</i>	Purple Osier	Mangart etc.
<i>Populus tremula</i>	Aspen	Scattered
<i>Populus nigra</i>	Black Poplar	
<i>Brassicaceae</i>		
<i>Sisymbrium officinale</i>	Hedge Mustard	Krvavec
<i>Erysimum sylvestri</i>	Wood Treacle Mustard	Loibl 2011
<i>Matthiola valesiaca</i>	a stock	Resia gravels, Italy
<i>Barbarea vulgaris</i>	Common Winter-cress	Sella Nevea
<i>Rorippa stylosa</i>	a yellow-cress	Mt. Vogel 2010
<i>Rorippa sylvestris</i>	a yellow-cress	Soca Valley
<i>Armoracia rusticana</i>	Horse-radish	Leaves noted
<i>Cardamine bulbifera</i>	Coral-root	In fruit at Loibl
<i>Cardamine pentaphyllos</i>		In fruit in Italy
<i>Cardamine enneaphyllos</i>	Drooping Bittercress	In fruit at various sites, e.g. Mangart
<i>Cardamine trifolia</i>	Trefoil Cress	In leaf Austrian side of Loibl
<i>Cardamine impatiens</i>	Narrow-leaved Bitter-cress	Scattered records, e.g. Tarvisio Forest and Krvavec
<i>Cardamine flexuosa</i>	Wavy Bitter-cress	Italy
<i>Cardaminopsis arenosa</i>		Trenta etc.
<i>Arabis turrata</i>	Tower Cress	In fruit in Italy
<i>Arabis vohinensis</i>	Compact Rockcress	Sella Prevala, 2008
<i>Arabis a. alpina</i>	Alpine Rockcress	Mangart
<i>Arabis bellidifolia</i>	a rockcress	Recorded 2012
<i>Lunaria rediviva</i>	Perennial Honesty	Soca Valley
<i>Alyssum ovirens</i>	an alyssum	In flower on Hochobir, and much in fruit, 2012
<i>Draba aizoides</i>	Yellow Whitlowgrass	Mangart and Sella Nevea
<i>Draba dubia</i>	Austrian Whitlowgrass	In fruit at Kanin 2012
<i>Petrocallis pyrenaica</i>	Pyrenean Whitlowgrass	Mangart and Sella Nevea
<i>Kernera saxatilis</i>	Kernera	In flower at Mangart, in fruit in Italy
<i>Capsella bursa-pastoris</i>	Shepherd's-purse	Scattered records

<i>Pritzelago alpina</i>	Chamois Cress	Mangart
<i>Thlaspi alpestre</i>	Alpine Pennycress	Mangart
<i>Thlaspi rotundifolium</i>	Round-leaved Pennycress	Mangart
<i>Biscutella laevigata</i>	Buckler Mustard	Presumably a form of this very variable species with rather fleshy leaves. Very common. Italy 2013
<i>Diplotaxis tenuifolia</i>	Perennial Wall Rocket	

Resedaceae

<i>Reseda lutea</i>	Wild Mignonette	Scattered records, e.g. Loibl
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Ericaceae

<i>Erica carnea</i>	Spring Heath	Widespread in leaf, in flower at Mangart
<i>Calluna vulgaris</i>	Heather or Ling	Bohinj bog
<i>Rhododendron hirsutum</i>	Hairy Alpenrose	Widespread and common in flower on limestone
<i>Rhodothamnus chamaecistus</i>	Dwarf Alpenrose	In flower this year at Mangart, Sella Nevea, Vogel
<i>Arctostaphylos uva-ursi</i>	Bearberry	In leaf on Hochobir 2012
<i>Vaccinium oxycoccos</i>	Cranberry	Bog near Bohinj, many in flower
<i>Vaccinium vitis-idaea</i>	Cowberry	Mangart
<i>Vaccinium uliginosum</i>	Bog Bilberry	Bog near Bohinj
<i>Vaccinium myrtillus</i>	Bilberry	Scattered records
<i>Andromeda polifolia</i>	Bog Rosemary	Common in leaf in bog near Bohinj

Pyrolaceae

<i>Pyrola minor</i>	Common Wintergreen	In turf at Mangart 2010
<i>Pyrola media</i>	Intermediate Wintergreen	In fruit in Tarvisio Forest 2012
<i>Pyrola chlorantha</i>	Green Pyrola	Recorded 2008
<i>Pyrola rotundifolia</i>	Round-leaved Wintergreen	Vrsic and Loibl Pass, in flower
<i>Orthilia secunda</i>	Nodding Wintergreen	In fruit, Tarvisio Forest
<i>Moneses uniflora</i>	One-flowered Wintergreen	Tarvisio and Sella Nevea 2013
<i>Monotropa hypopitys</i>	a Yellow Bird's-nest	Bohinj area 2011
<i>Monotropa hypophegea</i>	a Yellow Bird's-nest	Many at Loibl pass 2011

Primulaceae

<i>Primula vulgaris</i>	Primrose	Leaves at Loibl Pass
<i>Primula elatior</i>	Oxlip	In flower at Mangart and Sella Nevea 2013
<i>Primula veris</i>	Cowslip	In fruit in Soca Valley
<i>Primula halleri</i>	Long-flowered Primrose	Several in flower at Mangart
<i>Primula wulfeniana</i>	Wulfen's Primrose	In leaf at Krvavec 2013
<i>Primula auricula</i>	Bear's-ear	In good flower at Mangart and Sella Nevea
<i>Androsace villosa</i>		Hochobir, several in flower, 2012
<i>Soldanella pusilla</i>		Several by snow patches on Mangart and Sella nevea
<i>Soldanella minima</i>		A few at Gilberti 2011
<i>Soldanella alpina</i>	Alpine Snowbell	By recent snow melt at Mangart and Sella Nevea, and in leaf at Krvavec
<i>Cyclamen purpurascens</i>	Sowbread	Widespread e.g. Mangart, Italy, and Soca Valley

<i>Lysimachia vulgaris</i>	Yellow Loosestrife	Bohinj area and Soca Valley
<i>Lysimachia punctata</i>	Dotted Loosestrife	Krvavec 2013
<i>Anagallis arvensis</i>	Scarlet Pimpernel	Italy
<i>Crassulaceae</i>		
<i>Sempervivum tectorum</i>	Common Houseleek	1 plant on Hochobir 2010
<i>Sedum telephium</i>	Orpine	ssp. <i>maximum</i> near Bohinjska Bistrica
<i>Sedum montanum</i>		Italy 2013
<i>Sedum acre</i>	Biting Stonecrop	Local, e.g. Soca
<i>Sedum sexangulare</i>	Tasteless Stonecrop	Scattered records, e.g. Loibl
<i>Sedum album</i>	White Stonecrop	Loibl Pass, Krvavec, and Soca
<i>Sedum atratum</i>	Dark Stonecrop	ssp. <i>atratum</i> and ssp. <i>carinthiacum</i> noted.
<i>Rhodiola rosea</i>	Roseroot	Mangart etc.
<i>Saxifragaceae</i>		
<i>Saxifraga rotundifolia</i>	Round-leaved Saxifrage	Tarvisio Forest, Vogel, Loibl, etc.
<i>Saxifraga stellaris</i>	Starry Saxifrage	Mangart
<i>Saxifraga cuneifolia</i>	Lesser London Pride	Occasional in leaf, e.g. Trenta, Italy, en route to Bled
<i>Saxifraga caesia</i>	Blue Saxifrage	In flower on Mangart
<i>Saxifraga squarrosa</i>	a saxifrage	In bud below Vrsic
<i>Saxifraga burseriana</i>	One-flowered Cushion Saxifrage	Still in flower at Mangart this year!
<i>Saxifraga oppositifolia</i>	Purple Saxifrage	Over on Mangart, in flower Sella Nevea
<i>Saxifraga crustata</i>	Encrusted Saxifrage	Locally common in fine flower, e.g. Mangart, Loibl, Krvavec, Italy
<i>Saxifraga paniculata</i>	Livelong Saxifrage	Widespread, e.g. Mangart, Sella Nevea
<i>Saxifraga hostii</i>	a saxifrage	Italy 2012
<i>Saxifraga aizoides</i>	Yellow Mountain Saxifrage	Widespread, some in flower. In some unusually dry habitats
<i>Saxifraga androsacea</i>	Scree Saxifrage	Local at Mangart
<i>Saxifraga petraea</i>	a saxifrage	A fine addition to the list in 2013, this scarce species was found in Italy
<i>Saxifraga sedoides</i>	Eastern Saxifrage	Mangart
<i>Saxifraga hohenwartii</i>	a saxifrage	Sella Prevala, 2008
<i>Saxifraga tenella</i>	Awl-leaved Saxifrage	Mangart, one site, not seen 2013
<i>Saxifraga tridactylites</i>	Rue-leaved Saxifrage	Krvavec 2013
<i>Chrysosplenium alternifolium</i>	Alternate-leaved Golden Saxifrage	Mangart and in Italy, 2013
<i>Parnassia palustris</i>	Grass-of-Parnassus	In leaf at Mangart
<i>Ribes alpinum</i>	Mountain Currant	In fruit on Hochobir 2012
<i>Rosaceae</i>		
<i>Spiraea decumbens</i>		Italy
<i>Aruncus dioicus</i>	Goatsbeard Spiraea	Widespread and locally common
<i>Filipendula ulmaria</i>	Meadowsweet	Soca Valley, Bohinj
<i>Rubus fruticosus</i>	Bramble	
<i>Rubus saxatilis</i>	Rock Bramble	Noted in fruit, Bohinj area
<i>Rubus idaeus</i>	Raspberry	Scattered records, e.g. Sella Nevea
<i>Rosa montana</i>		Soca Valley
<i>Rosa glauca</i>	Glaucous Dog Rose	Scattered records

<i>Rosa pendulina</i>	Alpine Rose	Scattered records
<i>Agrimonia eupatoria</i>	Agrimony	Bohinj 2011
<i>Sanguisorba officinalis</i>	Great Burnet	Soca Valley, in leaf
<i>Sanguisorba minor</i>	Salad Burnet	Scattered records
<i>Dryas octopetala</i>	Mountain Avens	Scattered, e.g. Mangart, Vrsic
<i>Geum montanum</i>	Mountain Avens	Numerous at Mangart
<i>Geum reptans</i>		Mangart 2012
<i>Geum rivale</i>	Water Avens	Sella Nevea and Krvavec
<i>Geum urbanum</i>	Herb Bennet	Bovec 2012
<i>Waldsteinia ternata</i>	Waldsteinia	Noted in leaf, 2008
<i>Potentilla palustris</i>	Marsh Cinquefoil	Bog near Bohinj in leaf
<i>Potentilla brauneana</i>	Dwarf Cinquefoil	In flower at Mangart
<i>Potentilla crantzii</i>	Alpine Cinquefoil	Mangart
<i>Potentilla norvegica</i>		Italy 2012
<i>Potentilla erecta</i>	Tormentil	Scattered records
<i>Potentilla caulescens</i>	Lax Potentilla	In leaf
<i>Potentilla clusiana</i>	Eastern Cinquefoil	In leaf at Loibl
<i>Potentilla nitida</i>	Pink Cinquefoil	In flower at Mangart
<i>Potentilla reptans</i>	Creeping Cinquefoil	Recorded
<i>Fragaria vesca</i>	Wild Strawberry	Shade at mid-levels, also Vogel
<i>Alchemilla conjuncta</i>	Silver Lady's Mantle	Mangart, Sella Nevea
<i>Alchemilla hybrida</i>	a lady's mantle	Mangart, Krvavec
<i>Alchemilla xanthochlora</i>	Intermediate Lady's Mantle	
<i>Alchemilla glabra</i>	Smooth Lady's Mantle	
<i>Alchemilla fissa</i>	a lady's mantle	Mangart 2010
<i>Malus sylvestris</i>	Crab Apple	Scattered records
<i>Sorbus aucuparia</i>	Mountain Ash	Widespread
<i>Sorbus chamaemespilus</i>	Dwarf Medlar	Vogel and Vrsic
<i>Sorbus aria</i>	Whitebeam	Krvavec, Loibl etc.
<i>Amelanchier ovalis</i>	Snowy Mespilus	In fruit
<i>Crataegus monogyna</i>	Hawthorn	Scattered records
<i>Prunus spinosa</i>	Blackthorn	Scattered records
<i>Prunus avium</i>	Wild Cherry	Widespread

Fabaceae

<i>Laburnum alpinum</i>	Alpine Laburnum	Widespread
<i>Cytisus nigricans</i>	Black Broom	Italy
<i>Chamaecytisus purpureus</i>	Scarlet Dwarf Broom	In leaf in Soca Valley
<i>Chamaecytisus supinus</i>	a hairy broom	Tarvisio Forest, in leaf
<i>Genista tinctoria</i>	Dyer's Greenwood	Roadsides
<i>Genista radiata</i>	Twiggy Broom	Locally common at mid levels on Mangart
<i>Robinia pseudacacia</i>	False Acacia	Widely naturalised, very common
<i>Astragalus alpinus</i>		Mangart 2012
<i>Astragalus cicer</i>	Wild Lentil	Loibl 2011
<i>Astragalus australis</i>	Southern Milk-vetch	Mangart
<i>Astragalus glycyphyllos</i>	Wild Liquorice	Loibl and Italy
<i>Oxytropis jacquinii</i>	Mountain Milk-Vetch	In leaf this year on Mangart
<i>Vicia cracca</i>	Tufted Vetch	Widespread on roadsides etc.
<i>Vicia sylvatica</i>	Wood Vetch	Loibl Pass and below Vrsic
<i>Vicia oroboides</i>	Pale Vetch	Loibl Pass, in fruit
<i>Vicia sepium</i>	Bush Vetch	Loibl

<i>Lathyrus vernus</i>	Spring Pea	Loibl Pass, in fruit, and Predil
<i>Lathyrus niger</i>	Black Pea	Soca Valley 2011
<i>Lathyrus ochraceus</i>		Loibl, two plants
<i>Lathyrus pratensis</i>	Meadow Vetchling	Scattered records
<i>Lathyrus sylvestris</i>	Narrow-leaved Everlasting Pea	Roadsides Day 6
<i>Ononis spinosa</i>	Spiny Restharrow	Scattered records, e.g. Bohinj
<i>Melilotus altissimus</i>	Tall Melilot	Italy
<i>Melilotus alba</i>	White Melilot	Verges, locally common
<i>Medicago lupulina</i>	Black Medick	Scattered records
<i>Medicago sativa</i>	Lucerne	Vrsic lunch site
<i>Medicago falcata</i>	Sickle Medick	Near Bohinj
<i>Trifolium repens</i>	White Clover	Common
<i>Trifolium thalii</i>	Thale Cress	Scattered records
<i>Trifolium montanum</i>	Mountain Clover	Hochobir 2012
<i>Trifolium badium</i>	Brown Clover	Noted in Italy 2010
<i>Trifolium pratense</i>	Red Clover	Widespread. ssp. <i>nivale</i> at higher altitudes.
<i>Trifolium noricum</i>	Cream Clover	Sella Nevea
<i>Trifolium medium</i>	Zigzag Clover	Scattered records, e.g. Krvavec
<i>Trifolium rubens</i>	Long-spiked Trefoil	Trenta
<i>Lotus corniculatus</i>	Common Bird's-foot-trefoil	Widespread in grassland
<i>Lotus alpinus</i>	Alpine Bird's-foot-trefoil	Widespread above 2000m
<i>Anthyllis vulneraria</i>	Kidney-vetch	Widespread. sspp. <i>polyphylla</i> , <i>carpatica</i> and <i>alpestris</i>

Coronilla varia

<i>Hippocrepis comosa</i>		
<i>Hedysarum h. hedysaroides</i>		
<i>Onobrychis viciifolia</i>		

Crown Vetch

Horseshoe Vetch		
Alpine Sainfoin		
Sainfoin		

Krvavec

Predil		
Mangart, in bud		
Italy		

Lythraceae

<i>Lythrum salicaria</i>		
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Purple Loosestrife		
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Roadsides lower down		
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Thymelaceae

<i>Daphne mezereum</i>		
<i>Daphne laureola</i>		
<i>Daphne alpina</i>		
<i>Daphne striata</i>		

Mezereon		
Spurge-laurel		
Alpine Spurge		
a garland flower		

Scattered records, in flower at Mangart		
In leaf and fruit, Tarvisio		
In leaf Mangart 2011		
Mangart		

Onagraceae

<i>Oenothera</i> sp.		
<i>Epilobium angustifolium</i>		
<i>Epilobium dodonaei</i>		
<i>Epilobium hirsutum</i>		
<i>Epilobium collinum</i>		
<i>Epilobium alpestre</i>		
<i>Epilobium parviflorum</i>		
<i>Epilobium montanum</i>		
<i>Epilobium palustre</i>		

Evening Primrose		
Rosebay Willowherb		
a willowherb		
Great Willowherb		
a willowherb		
a willowherb		
Hoary Willowherb		
Broad-leaved Willowherb		
Marsh Willowherb		

Roadsides		
Locally common		
Soca roadsides 2012		
Roadsides at lower altitudes		
Italy 2013		
Krvavec		
Picnic site on final day 2009		
Scattered records and Loibl		
Bog near Bohinj		

Santalaceae

<i>Thesium linophyllum</i>		
<i>Thesium divaricatum</i>		

a bastard toadflax		
Branched Bastard Toadflax		

Possibly recorded too		
Predil		

<i>Thesium pyrenaicum</i>	Pyrenean Bastard Toadflax	Vogel
<i>Thesium bavarium</i>	Bavarian Bastard Toadflax	A few records, e.g. Loibl
<i>Thesium alpinum</i>	Alpine Bastard Toadflax	Vrsic, Loibl
<i>Thesium rostratum</i>	a bastard toadflax	Possibly recorded too
<i>Celastraceae</i>		
<i>Euonymus europaeus</i>	Spindle	
<i>Euphorbiaceae</i>		
<i>Mercurialis perennis</i>	Dog's Mercury	Woods
<i>Euphorbia carniolica</i>	a spurge	1 on Kravavec 2013
<i>Euphorbia nicaeensis</i>	Nice Spurge	This species at Skocjan Caves? 2011
<i>Euphorbia triflora</i> ssp. <i>kernerii</i>	a spurge	Outside the botanic garden
<i>Euphorbia cyparissias</i>	Cypress Spurge	Scattered records, Mangart, Bohinj, etc.
<i>Euphorbia amygdaloides</i>	Wood Spurge	Mangart, Kravavec, Loibl
<i>Rhamnaceae</i>		
<i>Rhamnus saxatilis</i>	Rock Buckthorn	Soca Valley 2010
<i>Rhamnus pumila</i>	Dwarf Buckthorn	Sella Nevea
<i>Rhamnus catharticus</i>	Buckthorn	Bovec area
<i>Frangula alnus</i>	Alder Buckthorn	Bovec area
<i>Linaceae</i>		
<i>Linum alpinum</i>	Mountain Flax	Sella Nevea and Vogel
<i>Linum viscosum</i>	Sticky Flax	Loibl Pass, Soca Valley
<i>Linum catharticum</i>	Purging Flax	Mangart
<i>Polygalaceae</i>		
<i>Polygala chamaebuxus</i>	Shrubby Milkwort	Mangart 2013
<i>Polygala nicaeensis</i>	Nice Milkwort	ssp. <i>carniolica</i> , near Bohinj, Italy
<i>Polygala comosa</i>		Sella Prevala, 2008
<i>Polygala alpestris</i>	Mountain Milkwort	Mangart
<i>Polygala amarella</i>	Dingy Milkwort	Bohinj area 2012
<i>Polygala vulgaris</i> ssp. <i>oxyptera</i>	Common Milkwort	Tarvisio Forest
<i>Staphyleaceae</i>		
<i>Staphylea pinnata</i>	Bladdernut	Lower Soca Valley
<i>Hippocastanaceae</i>		
<i>Aesculus hippocastanum</i>	Horse Chestnut	Soca Valley
<i>Aceraceae</i>		
<i>Acer platanoides</i>	Norway Maple	
<i>Acer campestre</i>	Field Maple	
<i>Acer pseudoplatanus</i>	Sycamore	
<i>Acer monspessulanum</i>	Montpellier Maple	Skocjan Caves 2011
<i>Oxalidaceae</i>		
<i>Oxalis acetosella</i>	Wood Sorrel	In flower
<i>Oxalis stricta</i>	a sorrel	Italy

Geraniaceae

<i>Geranium macrorrhizum</i>	Rock Cranesbill	In flower in Italy. Also Soca Valley.
<i>Geranium pratense</i>	Meadow Cranesbill	Meadows near Kransjka Gora.
<i>Geranium sylvaticum</i>	Wood Cranesbill	Mangart, etc.
<i>Geranium nodosum</i>	Knotted Cranesbill	Arrival day 2012 (PGC)
<i>Geranium phaeum</i>	Dusky Cranesbill	Tarvisio
<i>Geranium robertianum</i>	Herb Robert	Scattered records

Balsaminaceae

<i>Impatiens noli-tangere</i>	Touch-me-not	Picnic site on the final day 2009
<i>Impatiens parviflora</i>	Small Balsam	Krvavec
<i>Impatiens glandulifera</i>	Indian Balsam	Scattered at lower altitudes 2012

Araliaceae

<i>Hedera helix</i>	Ivy	
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Apiaceae

<i>Sanicula europaea</i>	Sanicle	Woods at Bohinj and Loibl
<i>Hacquetia epipactis</i>	Dwarf Masterwort	Loibl Pass, rather common
<i>Astrantia major</i>	Great Masterwort	Locally common, as at Loibl Pass and Predil
<i>Astrantia bavarica</i>	Bavarian Masterwort	Scattered records, locally common, e.g. Krvavec, and below Vrsic
<i>Astrantia carniolica</i>	a masterwort	Locally common, e.g. Trenta, Vogel, and Krvavec
<i>Eryngium amethystinum</i>	Blue Eryngo	Skocjan Caves 2011
<i>Chaerophyllum hirsutum</i>	Hairy Chervil	Bohinj area
<i>Chaerophyllum villarsii</i>	a chervil	Bohinj area
<i>Chaerophyllum aureum</i>	Golden Chervil	Near Bohinjjska Bistrica, and Italy
<i>Chaerophyllum temulum</i>	Rough Chervil	Scattered records
<i>Myrrhis odorata</i>	Sweet Cicely	Scattered records, e.g. Predil and numerous at Loibl
<i>Molopospermum peloponnesiacum</i>	Molopospermum	From the Kanin cable car, more or less over, 2012
<i>Pimpinella major</i>	Great Burnet-saxifrage	Meadows and forest edge
<i>Pimpinella saxifraga</i>	Burnet-saxifrage	Widespread
<i>Pimpinella alpina</i>	a burnet-saxifrage	Loibl Pass
<i>Aegopodium podagraria</i>	Ground-elder	Rough meadow and forest edges
<i>Seseli libanotis</i>	Moon Carrot	Noted on the final day 2009
<i>Athamanta turbith</i>	a candy carrot	Skocjan Caves 2011. Italy 2012.
<i>Athamanta cretensis</i>	a candy carrot	Mangart, this species? 2012
<i>Grafia golaka</i>	Grafia	Krvavec
<i>Foeniculum vulgare</i>	Fennel	Skocjan Caves 2011
<i>Meum athamanticum</i>	Spignel	Hochobir, in leaf, 2012
<i>Pleurospermum austriacum</i>		A few at Loibl
<i>Bupleurum ranunculoides</i>	Thorow-wax	1 on Vogel, 2013
<i>Trinia glauca</i>	Honewort	Higher altitudes
<i>Ligusticum mutellinoides</i>	Unbranched Lovage	Higher altitudes
<i>Ligusticum mutellina</i>	Alpine Spicknel	Scattered records 2012
<i>Angelica sylvestris</i>	Wild Angelica	Some fine examples at Loibl Pass etc.
<i>Peucedanum venetum</i>	Southern Masterwort	Loibl, Predil, etc.

<i>Peucedanum austriacum</i>	a masterwort	Loibl Pass. ssp. <i>rablense</i> in Italy.
<i>Peucedanum oreoselinum</i>	Mountain Parsley	In leaf at Loibl
<i>Peucedanum ostruthium</i>	Masterwort	Scattered records
<i>Peucedanum verticillare</i>	a masterwort	Austrian side of Loibl, and Italy
<i>Pastinaca sativa</i>	Parsnip	Roadsides, locally common
<i>Heracleum austriacum</i>	Austrian Hogweed	This very attractive small pink-flowered species ssp. <i>siifolium</i> was in flower on Krvavec
<i>Heracleum sphondylium</i>	Hogweed	Widespread. ssp. <i>sphondylium</i> , <i>pyrenaicum</i> , and <i>elegans</i>
<i>Laserpitium siler</i>	a sermountain	Locally common at Loibl Pass, also Bohinj
<i>Laserpitium latifolium</i>	Broad-leaved Sermountain	Frequent on Loibl Pass, scattered elsewhere
<i>Laserpitium peucedanoides</i>	a sermountain	Scattered records, e.g. Sella Nevea, Vogel, Krvavec
<i>Orlaya grandiflora</i>	Orlaya	Austria, 2008
<i>Daucus carota</i>	Wild Carrot	Scattered records

Gentianaceae

<i>Centaurium erythraea</i>	Common Centaury	1 very small example in Italy, 2012
<i>Gentiana lutea</i>	Yellow Gentian	ssp. <i>symphyandra</i> on Kanin slopes and Gilberti 2011
<i>Gentiana pannonica</i>	Danube Gentian	Several in leaf on Hochobir 2012
<i>Gentiana asclepiadea</i>	Willow Gentian	In leaf or bud at several sites
<i>Gentiana froelichii</i>	Karawanken Gentian	Many gone over on Hochobir 2012 (1 plant in flower there in July 2009). Gone over at Krvavec 2013.
<i>Gentiana cruciata</i>	Cross Gentian	In bud Soca Valley and Krvavec
<i>Gentiana clusii</i>	Clusius's Gentian	In flower on Mangart, over on Vogel
<i>Gentiana verna</i>	Spring Gentian	Numerous at Mangart
<i>Gentiana orbicularis</i>	a gentian	Mangart 2012
<i>Gentiana pumila</i>	a gentian	In flower at Mangart
<i>Gentiana terglouensis</i>	Triglav Gentian	A few in good flower at Mangart 2009
<i>Gentiana nivalis</i>	Snow Gentian	Mangart
<i>Gentiana utriculosa</i>	Bladder Gentian	Vrsic and Sella Nevea
<i>Gentiana tenella</i>	Slender Gentian	A few at Mangart, 2008
<i>Gentianella germanica</i>	Chiltern Gentian	Several near Bohinj 2012
<i>Gentianella anisodonta</i>	a gentian	Soca Valley 2012

Apocynaceae

<i>Vinca minor</i>	Lesser Periwinkle	Noted in leaf in Italy
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Asclepiadaceae

<i>Vincetoxicum hirundinaria</i>	Swallow-wort	Bovec area and Italy
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Solanaceae

<i>Atropa belladonna</i>	Deadly Nightshade	Loibl and below Vrsic
<i>Scopolia carniolica</i>		Over at Loibl
<i>Solanum dulcamara</i>	Bitter Sweet	Tarvisio Forest

Convolvulaceae

<i>Cuscuta europaea</i>	Greater Dodder	Soca Valley
<i>Cuscuta epithimum</i>	Dodder	Near Trenta 2012
<i>Calystegia sepium</i>	Hedge Bindweed	Italy, Bohinj
<i>Convolvulus arvensis</i>	Field Bindweed	Bohinj

Menyanthaceae

<i>Menyanthes trifoliata</i>	Bog-bean	In leaf, bog near Bohinj
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Boraginaceae

<i>Cerintho minor</i>	Lesser Honeywort	Loibl Pass
<i>Echium vulgare</i>	Viper's Bugloss	Widespread
<i>Pulmonaria stiriaca</i>	a Lungwort	In leaf at Loibl Pass and near Bohinj
<i>Symphytum officinale</i>	Common Comfrey	Tarvisio Forest, Krvavec
<i>Myosotis arvensis</i>	Field Forget-me-not	Recorded
<i>Myosotis sylvatica</i>	Wood Forget-me-not	Tarvisio Forest
<i>Myosotis alpestris</i>	Alpine Wood Forget-me-not	Locally numerous at higher altitudes
<i>Eritrichium nanum</i>	King of the Alps	A very important addition to the list in 2013, several in fine flower

Verbenaceae

<i>Verbena officinalis</i>	Vervain	Bovec
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Lamiaceae

<i>Ajuga genevensis</i>	Blue Bugle	Loibl
<i>Ajuga reptans</i>	Bugle	Italy
<i>Ajuga pyramidalis</i>	Pyramidal Bugle	Vogel
<i>Teucrium chamaedrys</i>	Wall Germander	Scattered records, e.g. Krvavec
<i>Teucrium montanum</i>	Mountain Germander	Soca Valley 2012
<i>Galeopsis ladanum</i>	Broad-leaved Hemp-nettle	Bovec and Tarvisio Forest
<i>Galeopsis speciosa</i>	Large-flowered Hemp-nettle	Tarvisio Forest and Loibl
<i>Galeopsis pubescens</i>	Downy Hemp-nettle	In leaf in Italy
<i>Lamium orvala</i>	Balm-leaved Archangel	Loibl Pass and Italy, in flower
<i>Lamium maculatum</i>	Spotted Dead-nettle	Scattered records
<i>Lamium galeobdolon</i>	Yellow Archangel	Scattered records, e.g. Krvavec
<i>Stachys alopecuroides</i>	Yellow Betony	Widespread
<i>Stachys officinalis</i>	Betony	Bohinj area and Bovec
<i>Stachys alpina</i>	Limestone Woundwort	Loibl Pass and Krvavec
<i>Stachys sylvatica</i>	Hedge Woundwort	Loibl Pass, Bohinj, Krvavec
<i>Stachys recta</i>	Perennial Yellow Woundwort	Scattered records, e.g. Loibl
<i>Stachys annua</i>	Annual Yellow Woundwort	Bovec 2013
<i>Prunella grandiflora</i>	Large Self-heal	Mangart, Soca, and Bohinj etc.
<i>Prunella vulgaris</i>	Self-heal	Widespread
<i>Acinos alpinus</i>	Alpine Calamint	Locally very common, e.g. Mangart, Vogel
<i>Calamintha nepeta</i>	Lesser Calamint	Loibl Pass
<i>Clinopodium vulgare</i>	Wild Basil	Scattered records, e.g. Tarvisio Forest
<i>Origanum vulgare</i>	Wild Marjoram	Scattered records, e.g. Tarvisio Forest
<i>Thymus praecox</i>	Hairy Thyme	Widespread, ssp. <i>polytrichus</i>
<i>Thymus pulegioides</i>	Large Thyme	Widespread, ssp. <i>pulegioides</i> and <i>carniolicus</i>
<i>Mentha longifolia</i>	Horse Mint	Widespread and locally common
<i>Horminum pyrenaicum</i>	Pyrenean Dead-nettle	Recorded 2013

<i>Salvia glutinosa</i>	Sticky Sage	Loibl Pass, Trenta, Krvavec, etc.
<i>Salvia pratensis</i>	Meadow Clary	Widespread
<i>Salvia verticillata</i>	Whorled Clary	Italy

Plantaginaceae

<i>Plantago major</i>	Great Plantain	
<i>Plantago media</i>	Hoary Plantain	
<i>Plantago atrata</i>	Mountain Plantain	Numerous at Sella Nevea 2013

Buddlejaceae

<i>Buddleja davidii</i>	Buddleia	Occasionally naturalised
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Oleaceae

<i>Fraxinus excelsior</i>	Ash	
<i>Ligustrum vulgare</i>	Wild Privet	

Scrophulariaceae

<i>Verbascum nigrum</i>	Dark Mullein	Widespread
<i>Verbascum pulverulentum</i>	Hoary Mullein	Scattered records
<i>Verbascum chaixii</i> ssp. <i>austriacum</i>	a mullein	Scattered records, e.g. Krvavec
<i>Verbascum</i> spp.	mulleins	others unidentified
<i>Scrophularia scopolii</i>	a figwort	Loibl Pass, Bohinj area, Predil Pass, Krvavec
<i>Scrophularia nodosa</i>	Common Figwort	Italy
<i>Scrophularia canina</i>	French Figwort	Scattered records, e.g. Mangart
<i>Chaenorhinum minus</i>	Small Toadflax	Bovec 2012
<i>Linaria vulgaris</i>	Common Toadflax	Loibl 2011
<i>Linaria alpina</i>	Alpine Toadflax	Sella Nevea
<i>Digitalis grandiflora</i>	Large Yellow Foxglove	Locally common, e.g. Krvavec
<i>Digitalis laevigata</i>	a foxglove	Several of this fine species at Skocjan Caves 2011
<i>Veronica alpina</i>	Alpine Speedwell	Mangart 2012
<i>Veronica fruticans</i>	Rock Speedwell	Mangart and Krvavec
<i>Veronica urticifolia</i>	Nettle-leaved Speedwell	Widespread and common
<i>Veronica aphylla</i>	Leafless-stemmed Speedwell	Mangart
<i>Veronica officinalis</i>	Heath Speedwell	Tarvisio and Bohinj area
<i>Veronica chamaedrys</i>	Bird's-eye Speedwell	Scattered records
<i>Veronica montana</i>	Wood Speedwell	Vogel
<i>Veronica beccabunga</i>	Brooklime	Loibl
<i>Veronica persica</i>	Common Field-speedwell	Krvavec
<i>Paederota bonarota</i>	Blue Paedarota	One site at Mangart, very pale flowers
<i>Paederota lutea</i>	Yellow Paederota	Locally very common on limestone boulders, as at Mangart, Vogel, Krvavec, Sella Nevea
<i>Melampyrum nemorosum</i>	Blue Cow-wheat	Skocjan Caves 2011
<i>Melampyrum sylvaticum</i>	Wood Cow-wheat	Italy
<i>Melampyrum pratense</i>	Common Cow-wheat	Recorded
<i>Euphrasia tricuspidata</i>	an eyebright	Italy 2012
<i>Euphrasia rostkoviana</i>	an eyebright	Tarvisio Forest
<i>Euphrasia cuspidata</i>	an eyebright	Austrian side of Loibl 2012
<i>Euphrasia picta</i>	an eyebright	Italy

<i>Euphrasia minima</i>	an eyebright	This species numerous at Mangart?
<i>Euphrasia</i> spp.	eyebrights	Others probably present. Following Flora Alpina, 9 species occur in the region.
<i>Bartsia alpina</i>	Alpine Bartsia	Vrsic and Mangart
<i>Pedicularis rosea</i>	Pink Lousewort	Sella Prevala 2010
<i>Pedicularis verticillata</i>	Verticillate Lousewort	Mangart
<i>Pedicularis julica</i>	a lousewort	In fruit at Loibl
<i>Pedicularis elongata</i>	a lousewort	Austrian side of Loibl 2012
<i>Pedicularis rostratospicata</i>	a lousewort	A few on Vogel 2013
<i>Pedicularis rostratocapitata</i>	Beaked Lousewort	Mangart and Sella Nevea
<i>Rhinanthus minor</i>	Yellow Rattle	Widespread
<i>Rhinanthus glacialis</i>	Aristate Yellow-rattle	Loibl and Predil Pass
<i>Rhinanthus freynii?</i>	a yellow-rattle	Possibly present too
<i>Rhinanthus alectorolophus</i>	Greater Yellow-rattle	Italy

Globulariaceae

<i>Globularia cordifolia</i>	Matted Globularia	Mangart and numerous at Sella Nevea
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Orobanchaceae

<i>Orobanche hederæ</i>	Ivy Broomrape	Skocjan Caves 2011
<i>Orobanche caryophyllacea</i>	Bedstraw Broomrape	One on the last day, very yellow!
<i>Orobanche laserpitii-sileris</i>	a broomrape	A few parasitic on <i>Laserpitium siler</i> or <i>L.latifolium</i> below Loibl Pass, 2012
<i>Orobanche flava</i>	Yellow Broomrape	Only a few this year on <i>Tussilago farfara</i> at Loibl, many there in the past
<i>Orobanche gracilis</i>	Slender Broomrape	Trenta, Bohinj, Loibl
<i>Orobanche salviae</i>	Salvia Broomrape	One fine example on <i>Salvia glutinosa</i> at Loibl 2010 and 2011

Lentibulariaceae

<i>Pinguicula alpina</i>	Alpine Butterwort	Many in flower at Mangart
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Campanulaceae

<i>Campanula zoysii</i>	Crimped Bellflower	Some fine examples of this very special endemic at Mangart, Vogel, and Loibl Pass 2012. 2013 only in leaf in what was an unusually backward season.
<i>Campanula patula</i>	Spreading Bellflower	Vogel
<i>Campanula rapunculus</i>	Rampion Bellflower	Bohinj 2010
<i>Campanula glomerata</i>	Clustered Bellflower	Scattered records
<i>Campanula cervicaria</i>	a bellflower	Recorded 2012
<i>Campanula spicata</i>	Spiked Bellflower	Roadsides lower down
<i>Campanula thyrsooides</i>	Yellow Bellflower	Vrsic and Loibl Pass. Both sspp. <i>thyrsooides</i> and <i>carniolica</i> seen. Not in flower 2012 or 2013.
<i>Campanula trachelium</i>	Nettle-leaved Bellflower	Widespread and common
<i>Campanula rapunculoides</i>	Creeping Bellflower	Scattered records, e.g. Soca Valley.
<i>Campanula bononiensis</i>	a bellflower	Skocjan Caves 2011
<i>Campanula carnica</i>	Flax-leaved Bellflower	Resia river gravels
<i>Campanula witasekiana</i>	Paniculate Bellflower	Italy
<i>Campanula cochlearifolia</i>	Fairy's Thimble	Recorded

<i>Campanula cespitosa</i>	Tufted Harebell	Italy in leaf, and Loibl Pass
<i>Campanula scheuchzeri</i>	a harebell	Mangart, Italy, and Soca
<i>Campanula rotundifolia</i>	Harebell	Scattered records, e.g. Bohinj
<i>Phyteuma ovatum</i>	Dark Rampion	Tarvisio, Bohinj area, Krvavec
<i>Phyteuma spicatum</i>	Spiked Rampion	North side of Vrsic
<i>Phyteuma orbiculare</i>	Round-headed Rampion	Bohinj area 2012
<i>Phyteuma sieberi</i>	a rampion	Vogel
<i>Phyteuma scheuchzeri</i>	Horned Rampion	Sella Nevea
ssp. <i>columnae</i>		
<i>Physoplexis comosa</i>	Devil's Claw	A great addition to the tour in Italy in 2012, seen there again in 2013, in flower

Rubiaceae

<i>Asperula aristata</i>	a woodruff	Mangart, Sella Nevea, and Bohinj area
<i>Asperula cynanchica</i>	Squinancywort	Loibl Pass, Italy, Bohinj area
<i>Galium boreale</i>	Northern Bedstraw	Loibl
<i>Galium palustre</i>	Common Marsh Bedstraw	Bog near Bohinj
<i>Galium verum</i>	Lady's Bedstraw	Widespread, e.g. Bohinj meadows
<i>Galium mollugo</i>	Hedge Bedstraw	Scattered records
<i>Galium album</i>	Upright Hedge-bedstraw	Italy
<i>Galium laevigatum</i>	a bedstraw	Loibl, Italy, and Bohinj
<i>Galium pumilum</i>	Slender Bedstraw	Mangart
<i>Galium anisophyllum</i>	a bedstraw	Mangart, Vogel, etc.
<i>Galium margaritaceum</i>	a bedstraw	Probably this species at Sella Prevala, 2011
<i>Galium</i> spp.	bedstraws	Other species not identified
<i>Cruciata glabra</i>	a crosswort	Tarvisio and Krvavec

Caprifoliaceae

<i>Sambucus ebulus</i>	Dwarf Elder	Roadsides lower down and Bohinj meadows
<i>Sambucus nigra</i>	Common Elder	Scrubby verges and margins
<i>Sambucus racemosa</i>	Red-berried Elder	Widespread, e.g. Sella Nevea, Krvavec
<i>Viburnum opulus</i>	Guelder Rose	Bohinj area
<i>Lonicera alpigena</i>	Alpine Honeysuckle	In fruit at Loibl Pass
<i>Lonicera nigra</i>	Black Honeysuckle	In fruit at Loibl Pass and below Vrsic
<i>Lonicera caerulea</i>	Blue-berried Honeysuckle	Vrsic 2010
<i>Lonicera xylostemum</i>	Fly Honeysuckle	In fruit in Italy

Valerianaceae

<i>Valeriana officinalis</i>	Common Valerian	Scattered records, e.g. Loibl Pass
<i>Valeriana wallrothii</i>	a valerian	Italy
<i>Valeriana dioica</i>	Marsh Valerian	In fruit at Bohinj bog
<i>Valeriana tripteris</i>	Three-leaved Valerian	Mangart, Vogel, etc.
<i>Valeriana montana</i>	Mountain Valerian	Scattered records, Mangart, Sella Nevea, Vogel
<i>Valeriana saxatilis</i>	Rock Valerian	Limestone boulders on Mangart and Vogel
<i>Valeriana elongata</i>	Elongated Valerian	Mangart
<i>Valeriana supina</i>	Dwarf Valerian	Kanin 2012

Dipsacaceae

<i>Dipsacus fullonum</i>	Teasel	Roadsides
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<i>Dipsacus laciniatus</i>	Cut-leaved Teasel	Near Kranj 2011
<i>Succisa pratensis</i>	Devil's-bit Scabious	Bog near Bohinj
<i>Knautia drymeia</i>	a scabious	Scattered records
<i>Knautia longifolia</i>	a scabious	Italy
<i>Knautia arvensis</i>	Field Scabious	Widespread, e.g Predil Pass
<i>Scabiosa triandra</i>	a scabious	Scattered records, e.g. Mangart
<i>Scabiosa columbaria</i>	Small Scabious	Italy
<i>Asteraceae</i>		
<i>Eupatorium cannabinum</i>	Hemp-agrimony	Scattered
<i>Solidago virgaurea</i>	Goldrenrod	Scattered
<i>Solidago canadensis</i>	Canadian Goldenrod	Roadsides
<i>Bellis perennis</i>	Daisy	Krvavec
<i>Aster alpinus</i>	Alpine Aster	Sella Nevea
<i>Aster bellidiastrum</i>	False Aster	Mangart etc.
<i>Erigeron annuus</i>	Annual Fleabane	Roadsides, often very common
<i>Erigeron alpinus</i>	Alpine Fleabane	Scattered records, e.g. Mangart
<i>Erigeron glabratus</i>	Variable Fleabane	Loibl
<i>Erigeron uniflorus</i>	Arctic Fleabane	Hochobir 2010
<i>Antennaria dioica</i>	Cat's-foot	Mangart
<i>Antennaria carpatica</i>	Carpathian Cat's-foot	Mangart
<i>Leontopodium alpinum</i>	Edelweiss	Limestone boulders at Mangart
<i>Inula salicina</i>	Irish Fleabane	Scattered records, e.g. Loibl
<i>Bupthalmum salicifolium</i>	Yellow Ox-eye	Widespread and very common
<i>Telekia speciosa</i>	Yellow Ox-eye(!)	Forest at Bohinj, only one in flower
<i>Rudbeckia hirta</i>	Black-eyed Susan	Noted on the final day 2009
<i>Rudbeckia laciniata</i>	Coneflower	Soca Valley, in leaf
<i>Galinsoga ciliata</i>	Shaggy Soldier	A few records
<i>Achillea atrata</i>	Black Milfoil	Mangart
<i>Achillea clavennae</i>	Silvery Milfoil	Locally very common, as at Mangart, Sella Nevea, Vogel
<i>Achillea millefolium</i>	Yarrow	Widespread
<i>Achillea rosealba</i>	a yarrow	Mangart
<i>Matricaria discoidea</i>	Pineapple Weed	Krvavec
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	Widespread
<i>Artemisia vulgaris</i>	Mugwort	Krvavec
<i>Artemisia verlotiorum</i>	Chinese Mugwort	Bohinj and Italy
<i>Tussilago farfara</i>	Colt's-foot	Widespread in leaf, still in flower at Mangart
<i>Petasites hybridus</i>	Butterbur	In leaf and fruit
<i>Petasites paradoxus</i>	Alpine Butterbur	In leaf and fruit
<i>Homogyne alpina</i>	Alpine Coltsfoot	Scattered records, e.g. Mangart
<i>Homogyne discolor</i>	an alpine coltsfoot	Mangart
<i>Homogyne sylvestris</i>	a coltsfoot	Krvavec, Austrian side of Loibl
<i>Adenostyles alliariae</i>	Adenostyles	Scattered records
<i>Adenostyles alpina</i>	an adenostyles	Widespread
<i>Doronicum austriacum</i>	Austrian Leopard's-bane	Krvavec
<i>Doronicum grandiflorum</i>	a leopard's-bane	Mangart 2013
<i>Doronicum g. glaciale</i>	a leopard's-bane	Mangart and Kanin
<i>Senecio ovatus</i>	Wood Ragwort	Locally very common

<i>Senecio cacaliaster</i>	a ragwort	Mangart slopes, Sella Nevea, near Bohinj bog
<i>Senecio rupestris</i>	Oxford Ragwort	Scattered records, e.g. Vogel
<i>Senecio abrotanifolius</i>	Pinnate-leaved Ragwort	Locally common, e.g. Mangart, in bud this year
<i>Senecio sylvaticus</i>	Heath Groundsel	Italy 2012
<i>Senecio vulgaris</i>	Groundsel	Recorded
<i>Tephrosieris crispal/pseudocrispa</i>	a ragwort	Sella Prevala 2008
<i>Tephrosieris longifolia</i>	a ragwort	Hochobir 2012
<i>Carlina biebersteinii</i>	a carline thistle	Loibl Pass 2011
<i>Carlina acaulis</i>	Stemless Carline Thistle	Both nominate and <i>ssp.caulescens</i> recorded
<i>Arctium tomentosum</i>	Cotton Burdock	Predil Pass
<i>Arctium lappa</i>	Greater Burdock	
<i>Arctium minus</i>	Lesser Burdock	
<i>Saussurea pygmaea</i>	Dwarf Saussurea	A few at Mangart in bud, not seen 2013
<i>Carduus nutans</i>	Musk Thistle	Bohinj area
<i>Carduus p. personata</i>	Great Marsh Thistle	Loibl Pass
<i>Carduus defloratus</i>	Alpine Thistle	Widespread. Represented by <i>sspp. defloratus, glaucus, and crassifolius.</i>
<i>Cirsium eriophorum</i>	Woolly-headed Thistle	Local, e.g. near Bohinj, Loibl, in bud
<i>Cirsium vulgare</i>	Spear Thistle	
<i>Cirsium eristhales</i>	Yellow Melancholy Thistle	Widespread
<i>Cirsium waldsteinii</i>	a thistle	Austria 2013
<i>Cirsium carniolicum</i>	Carnic Thistle	Scattered records, e.g. Tarvisio Forest
<i>Cirsium oleraceum</i>	Cabbage Thistle	Soca Valley, Bohinj, etc.
<i>Cirsium spinosissimum</i>	Spiniest Thistle	Kanin and Mangart
<i>Cirsium palustre</i>	Marsh Thistle	Scattered records, e.g. bog near Bohinj and Tarvisio
<i>Cirsium arvense</i>	Creeping Thistle	Scattered records
<i>Stemmacantha rhapsantica</i>	Giant Knapweed	Seen in flower from the Kanin cable car 2010, 2011, and 2012, a scarce species.
<i>Centaurea dichroantha</i>	South-eastern Knapweed	Soca Valley, Italy, all yellow flowered form
<i>Centaurea rupestris</i>	Rock Knapweed	Apparently this species in the Soca Valley too? 2009
<i>Centaurea scabiosa</i>	Greater Knapweed	Soca Valley, Predil
<i>Centaurea jacea</i>	Brown Knapweed	Italy and Soca Valley
<i>Centaurea nigrescens</i>	Black-rayed Knapweed	Soca Valley, Predil
<i>Centaurea nervosa</i>	Plume Knapweed	Local, 2008
<i>Centaurea montana</i>	Perennial Cornflower	Italy
<i>Cichorium intybus</i>	Chicory	Verges lower down
<i>Aposeris foetida</i>	Aposeris	Widespread woodland floor species, mostly in leaf, in flower at Mangart
<i>Hypochaeris radicata</i>	Cat's-ear	Scattered records
<i>Leontodon helveticus</i>	Swiss Hawkbit	Krvavec
<i>Leontodon montanus</i>	Mountain Hawkbit	Kanin, in bud, 2012
<i>Leontodon hispidus</i>	Rough Hawkbit	Very tall examples in Italy 2013
<i>Picris hieracioides</i>	Hawkweed Oxtongue	Predil
<i>Tragopogon pratensis</i>	Goat's-beard	<i>ssp.orientalis</i> , Predil
<i>Sonchus asper</i>	Prickly Sowthistle	Krvavec
<i>Cicerbita alpina</i>	Alpine Sow-thistle	Krvavec
<i>Prenathes purpurea</i>	Purple Rattlesnake-root	Scattered records, e.g. Bohinj

<i>Mycelis muralis</i>	Wall Lettuce	Widespread
<i>Taraxacum alpinum</i>	Alpine Dandelion	Kanin 2012
<i>Taraxacum officinale</i>	Dandelion	Scattered records
<i>Chondrilla chondrilloides</i>		Italy 2013
<i>Lapsana communis</i>	Nipplewort	Scattered records
<i>Crepis paludosa</i>	Marsh Hawk's-beard	Scattered records
<i>Crepis aurea</i>	Golden Hawk's-beard	Locally common, e.g. Sella Nevea
<i>Hieracium lactucella</i>	a hawkweed	Krvavec 2013
<i>Hieracium murorum</i>	Wall Hawkweed	Bohinj area
<i>Hieracium bifidum</i>	a hawkweed	Mangart 2013
<i>Hieracium villosum</i>	Shaggy Hawkweed	Scattered records, e.g. Sella Nevea and Vogel
<i>Hieracium pilosum</i>	a hawkweed	Vogel 2012
<i>Hieracium porrifolium</i>	a hawkweed	Soca Valley and Loibl Pass

D. ANGIOSPERMS - MONOCOTYLEDONES

Scheuchzeriaceae

<i>Scheuchzeria palustris</i>	Rannoch Rush	Bog near Bohinj
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Juncaceae

<i>Juncus jacquinii</i>	a rush	Mangart
<i>Juncus trifidus</i>	Three-leaved Rush	Mangart
<i>Juncus monanthos</i>	a rush	Mangart and Sella Nevea
<i>Juncus compressus</i>	Round-fruited Rush	Loibl
<i>Luzula multiflora</i>	a wood-rush	Recorded
<i>Luzula sudetica</i>	a wood-rush	Sella Nevea
<i>Luzula spicata</i>	a wood-rush	Mangart
<i>Luzula sylvatica</i>	Great Wood-rush	In leaf at Mangart
<i>Luzula nivea</i>	Snow-white Wood-rush	Scattered records
<i>Luzula luzuloides</i>	White Wood-rush	Widespread, e.g. Mangart
<i>Luzula alpinopilosa</i>	a wood-rush	Widespread, e.g. Mangart
<i>Luzula pilosa</i>	Hairy Wood-rush	Scattered records

Cyperaceae

<i>Trichophorum alpinum</i>	Cotton Deer-grass	Bog near Bohinj
<i>Blasmus compressus</i>	Flat-sedge	Near Bohinj
<i>Eriophorum vaginatum</i>	a cotton-grass	Bog near Bohinj
<i>Eriophorum angustifolium</i>	Common Cotton-grass	Bog near Bohinj
<i>Rhynchospora alba</i>	White Beak-sedge	Bog near Bohinj, not seen 2013
<i>Carex leporina</i>	Oval Sedge	Bog near Bohinj, Loibl, etc.
<i>Carex pairae</i>	a sedge	Sella Nevea
<i>Carex echinata</i>	Star Sedge	Bog near Bohinj
<i>Carex davalliana</i>	Davall's Sedge	
<i>Carex rostrata</i>	Bottle Sedge	Bog near Bohinj, co-dominant
<i>Carex sylvatica</i>	Wood Sedge	Loibl and Tarvisio Forest
<i>Carex flacca</i>	Glaucous Sedge	Mangart
<i>Carex panicea</i>	Carnation Sedge	
<i>Carex flava</i> s.s	Great Yellow-sedge	Bog near Bohinj and Tarvisio Forest
<i>Carex pallescens</i>	Pale Sedge	Scattered records, e.g. Loibl

<i>Carex ornithopoda</i>	Bird's-foot Sedge	Scattered records
<i>Carex ornithopodioides</i>	a bird's-foot sedge	Mangart and Krvavec
<i>Carex caryophyllea</i>	Spring Sedge	Mangart
<i>Carex montana</i>	Soft-leaved Sedge	
<i>Carex alba</i>	White-flowered Sedge	Locally common, e.g. Mangart, Tarvisio
<i>Carex firma</i>	a sedge	Locally very common
<i>Carex sempervirens</i>	Evergreen Sedge	Widespread, e.g. Mangart
<i>Carex ferruginea</i>	a sedge	Widespread, e.g. Mangart
<i>Carex parviflora</i>	a sedge	Mangart
<i>Carex atrata</i>	Jet Sedge	Scattered records, e.g. Mangart
<i>Carex nigra</i>	Common Sedge	Widespread, e.g. bog near Bohinj
<i>Carex capillaris</i>	Hair Sedge	Mangart and Vrsic
<i>Carex limosa</i>	Bog Sedge	Bog near Bohinj
<i>Carex rupestris</i>	Rock Sedge	Mangart
<i>Carex pauciflora</i>	Few-flowered Sedge	Bog near Bohinj, rather common

Poaceae

<i>Festuca</i> spp.	fescues	Several species not identified
<i>Lolium perenne</i>	Perennial Rye-grass	
<i>Poa annua</i>	Annual Meadow-grass	
<i>Poa trivialis</i>	Rough Meadow-grass	
<i>Poa pratensis</i>	Smooth Meadow-grass	
<i>Poa nemoralis</i>	Wood Meadow-grass	
<i>Poa bulbosa</i>	Bulbous Meadow-grass	
<i>Poa pumila</i>	a meadow-grass	
<i>Poa alpina</i>	Alpine Meadow-grass	
<i>Dactylis glomerata</i>	Cock's-foot	
<i>Briza media</i>	Quaking-grass	
<i>Sesleria sphaerocephala</i>		
<i>Sesleria caerulea</i>	Blue Moor Grass	
<i>Melica nutans</i>	Mountain Melick	
<i>Melica uniflora</i>	Wood Melick	
<i>Bromus diandrus</i>	Great Brome	
<i>Bromus inermis</i>	Hungarian Brome	
<i>Bromus benekenii</i>	Lesser Hairy Brome	
<i>Bromus erectus</i>	Upright Brome	
<i>Brachypodium sylvaticum</i>	Wood False-brome	
<i>Brachypodium rupestre</i>	a tor-grass	
<i>Elymus caninus</i>	Bearded Couch	
<i>Elymus repens</i>	Common Couch	
<i>Helictotrichon pubescens</i>	Downy Oat-grass	
<i>Arrhenatherum elatius</i>	False Oat-grass	
<i>Koeleria pyramidata</i>	a hair-grass	
<i>Koeleria</i> sp.	hair-grass sp.	
<i>Trisetum flavescens</i>	Yellow Oat-grass	
<i>Deschampsia cespitosa</i>	Tufted Hair-grass	
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	
<i>Anthoxanthum alpinum</i>	a sweet vernal-grass	
<i>Agrostis stolonifera</i>	Creeping Bent-grass	
<i>Agrostis alpina</i>	Alpine Bent-grass	
<i>Calamagrostis epigejos</i>	Wood Small-reed	

<i>Calamagrostis varia</i>	a small-reed
<i>Phleum pratense</i>	Timothy
<i>Phleum alpinum</i>	Alpine Cat's-tail
<i>Phleum rhaeticum</i>	a timothy
<i>Phleum hirsutum</i>	a timothy
<i>Alopecurus pratensis</i>	Meadow Foxtail
<i>Milium effusum</i>	Wood Millet
<i>Achnatherum calamagrostis</i>	
<i>Phragmites australis</i>	Common Reed
<i>Molinia caerulea</i>	Purple Moor-grass
<i>Molinia arundinacea</i>	a purple moor-grass
<i>Nardus stricta</i>	Mat-grass
<i>Setaria</i> sp.	bristle-grass sp.

Typhaceae

<i>Typha latifolia</i>	Bulrush
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Liliaceae

<i>Tofieldia calyculata</i>	Tofield's Asphodel	Predil and Loibl Pass
<i>Veratrum nigrum</i>	Black False-helleborine	In seed at bog near Bohinj 2010 Growing wild at fringes of botanic garden? Mangart etc.
<i>Veratrum album</i>	White False-helleborine	
<i>Anthericum ramosum</i>	a st.bernard's lily	Bohinj and Italy
<i>Colchicum autumnale</i>	Autumn Crocus	In fruit in Soca Valley etc.
<i>Lloydia serotina</i>	Snowdon Lily	Gone over at Mangart 2012. 2013 several in good flower there.
<i>Lilium martagon</i>	Martagon Lily	In fine flower in Italy
<i>Lilium bulbiferum</i>	Orange Lily	Still in flower at Predil Pass, others gone over
<i>Lilium carniolicum</i>	Carniola Lily	A few in fine flower at the Loibl Pass was a trip highlight 2013. Some 25 in superb flower at another site in 2011.
<i>Ornithogalum pyrenaicum</i>	Spiked Star-of-Bethlehem	Several in Italy 2013
<i>Allium kermesinum</i>		In bud at Mangart
<i>Allium victorialis</i>	Alpine Leek	A few at Mangart in bud
<i>Allium carinatum</i>	Keeled Garlic	Rather common in the Soca Valley and elsewhere
<i>Allium vineale</i>	Crow Garlic	Soca Valley and Bohinj
<i>Convallaria majalis</i>	Lily-of-the-valley	In fruit, e.g. Vrsic and Loibl
<i>Maianthemum bifolium</i>	May-lily	Still in flower on Mangart
<i>Polygonatum verticillatum</i>	Whorled Solomon's Seal	Scattered, in fruit, e.g. Loibl, and Vrsic
<i>Polygonatum multiflorum</i>	Solomon's Seal	In fruit at Loibl
<i>Polygonatum odoratum</i>	Angular Solomon's Seal	Tarvisio Forest
<i>Paris quadrifolia</i>	Herb Paris	Italy

Iridaceae

<i>Iris pallida</i> ssp. <i>cengialti</i>	an iris	This species in leaf at Skočan Caves? 2011
<i>Crocus albiflorus</i>	a crocus	Presumably this species in fruit at Mangart

Orchidaceae

<i>Cypripedium calceolus</i>	Lady's Slipper Orchid	15 + in seed at Loibl Pass
<i>Epipactis palustris</i>	Marsh Helleborine	Bohinj and Austria 2012
<i>Epipactis helleborine</i>	Broad-leaved Helleborine	Loibl
<i>Epipactis greuteri</i>	a helleborine	Soca Valley 2012
<i>Epipactis atrorubens</i>	Dark Red Helleborine	Trenta
<i>Cephalanthera damasonium</i>	White Helleborine	Loibl 2013, in good flower
<i>Cephalanthera rubra</i>	Red Helleborine	In fine flower in Soca Valley and Tarvisio Forest, common this year
<i>Neottia nidus-avis</i>	Bird's-nest Orchid	In flower at several woodland sites
<i>Listera ovata</i>	Twayblade	Widespread in small numbers, e.g. Predil and Loibl
<i>Goodyera repens</i>	Creeping Lady's Tresses	1 in Italy 2012
<i>Chamorchis alpina</i>	False Orchid	c.40 on Hochobir. Leaves at Mangart. 2012. Not found 2013.
<i>Gymnadenia conopsea</i>	Fragrant Orchid	Widespread and locally common
<i>Pseudorchis albida</i>	Small White Orchid	Mangart, Krvavec, and Sella Nevea
<i>Nigritella rhellicani</i>	Black Vanilla Orchid	1 at Sella Nevea
<i>Nigritella rubra</i>	a vanilla orchid	Numerous at Krvavec 2013
<i>Nigritella bicolor</i>	a vanilla orchid	One at Sella Prevala 2010, the same individual seen in 2009. A recently described species.
<i>Coeloglossum viride</i>	Frog Orchid	Mangart and Krvavec
<i>Dactylorhiza incarnata</i>	a marsh orchid	Bog near Bohinj
<i>Dactylorhiza fuchsii</i>	Common Spotted Orchid	Widespread and locally common
<i>Corallorhiza trifida</i>	Coralroot Orchid	In seed at Predil Pass
<i>Malaxis monophyllos</i>	One-leaved Bog Orchid	1 at Predil Pass

Systematic List Number 2

Butterflies

The taxonomic nomenclature and the systematic order have been taken from Tolman and Lewington's *Butterflies of Britain and Europe* published by HarperCollins (1997). Species recorded in previous years but not this year are annotated with the year in which they were last seen. Species annotated 2013 were added to the list this year. Where no date is given the species was recorded this year.

Papilionidae

Swallowtail	<i>Papilio machaon</i>	2011 in Soca Valley, and a larva on <i>Seseli</i> in Juliana botanic garden 2012, 1 on Day 4. 2013, larvae in Trenta Botanic Garden, 1 on day 5
Scarce Swallowtail	<i>Iphiclides podalirius</i>	Seen by PGC on the arrival day 2011
Apollo	<i>Parnassias apollo</i>	Noted on one day 2009
Clouded Apollo	<i>Parnassius mnemosyne</i>	Soca Valley and Loibl 2013

Pieridae

Large White	<i>Pieris brassicae</i>	Seen on two days
Black-veined White	<i>Aporia crataegi</i>	Locally common, e.g. in Italy
Small White	<i>Artogeia rapae</i>	Scattered records
Green-veined White	<i>Artogeia napi</i>	Scattered records
Mountain Green-veined White	<i>Artogeia bryoniae</i>	Mangart and Italy
Mountain Clouded Yellow	<i>Colias phicomone</i>	1 at Gilberti 2011
Clouded Yellow	<i>Colias crocea</i>	Seen on one day
Brimstone	<i>Gonepteryx rhamni</i>	Widespread in small numbers
Wood White	<i>Leptidea sinapis</i>	Seen on two days

Lycaenidae

Blue-spot Hairstreak	<i>Satyrrium spini</i>	A few at Loibl Pass 2009
Purple-shot Copper	<i>Lycaena alciphron</i>	2 in Soca Valley
Little Blue	<i>Cupido minimus</i>	Seen on 2 days
Holly Blue	<i>Celastrina argiolus</i>	Italy and Loibl
Mountain Alcon Blue	<i>Maculinea rebeli</i>	A pair in Trenta Botanic Garden 2012. Also many eggs on <i>Gentiana cruciata</i> .
Silver-studded Blue	<i>Plebejus argus</i>	Soca Valley
Brown Argus	<i>Aricia agestis</i>	1 at Skocjan caves 2011
Mountain Argus	<i>Aricia artaxerxes</i>	Bohinj area
Alpine Blue	<i>Albulina orbitulus</i>	A male at Mangart 2010
Mazarine Blue	<i>Cyaniris semiargus</i>	Italy
Chalk-hill Blue	<i>Lysandra coridon</i>	Bohinj area 2012
Adonis Blue	<i>Lysandra bellargus</i>	1 seen by PGC on departure day 2011
Common Blue	<i>Polyommatus icarus</i>	Bovec 2011

Riodinidae

Duke-of-Burgundy Fritillary	<i>Hamearis lucina</i>	2+ Vrsic, 2 at Vogel, 1 at Loibl
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Nymphalidae

Purple Emperor	<i>Apatura iris</i>	A fine male in the Juliana Botanic Garden 2009. 2010 on one day. 2011, 1 from the Kanin cable car. 2013, 1 on day 4
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Southern White Admiral	<i>Limenitis reducta</i>	1+ in Italy 2013
White Admiral	<i>Limenitis camilla</i>	Soca Valley
Hungarian Glider	<i>Neptis rivularis</i>	Italy 2012
Large Tortoiseshell	<i>Nymphalis polychloros</i>	1 in fine condition at the Predil Pass 2009
Camberwell Beauty	<i>Nymphalis antiopa</i>	1 at Vrsic lunch cafe 2010
Peacock	<i>Inachis io</i>	Loibl, Austria
Red Admiral	<i>Vanessa atalanta</i>	Scattered records
Painted Lady	<i>Vanessa cardui</i>	Widespread and very common in 2009, whereas only 1 noted in 2008! 2010 very few seen. 2011 and 2012 none seen. 2013 on two days.
Small Tortoiseshell	<i>Aglais urticae</i>	Scattered high altitude records
Comma	<i>Polygonia c-album</i>	Day 4, and c.5 at Loibl
Silver-washed Fritillary	<i>Argynnis paphia</i>	Only 1 seen this year!
Dark Green Fritillary	<i>Argynnis aglaja</i>	Probably this species in flight at Bohinj
High Brown Fritillary	<i>Argynnis adippe</i>	Tarvisio Forest 2012
Niobe Fritillary	<i>Argynnis niobe</i>	1 at Zadnija, 2008
Queen of Spain Fritillary	<i>Issoria lathonia</i>	1 on Vogel 2012
Marbled Fritillary	<i>Brenthis daphne</i>	Soca Valley
Lesser Marbled Fritillary	<i>Brenthis ino</i>	1 in Tarvisio Forest 2009
Pearl-bordered Fritillary	<i>Clossiana euphrosyne</i>	Loibl 2013
Spotted Fritillary	<i>Melitaea didyma</i>	Tarvisio Forest 2011
False Heath Fritillary	<i>Melitaea diamina</i>	Scattered records, seen on three days
Heath Fritillary	<i>Mellicta athalia</i>	Loibl
<i>Satyridae</i>		
Marbled White	<i>Melanargia galathea</i>	Only 1, in Italy
Hermit	<i>Chazara briseis</i>	Probably this species at Skocjan Caves 2011
Dryad	<i>Minois dryas</i>	Skocjan Caves 2011
Arran Brown	<i>Erebia ligea</i>	Scattered records
Large Ringlet	<i>Erebia euryale</i>	Day 4
Yellow-spotted Ringlet	<i>Erebia manto</i>	Kanin 2010
Blind Ringlet	<i>Erebia pharte</i>	Mangart and Vogel 2009
Scotch Argus	<i>Erebia aethiops</i>	Soca Valley 2011
Woodland Ringlet	<i>Erebia medusa</i>	Seen on 2 days 2013
Silky Ringlet	<i>Erebia gorge</i>	Vogel 2012
Lorkovic's Brassy Ringlet	<i>Erebia calcaria</i>	1 at Loibl Pass 2009
Water Ringlet	<i>Erebia pronoe</i>	The only butterfly on day 3, Mangart lunch site, 2011
Styrian Ringlet	<i>Erebia stirius</i>	One good colony found 2011
Stygian Ringlet	<i>Erebia styx</i>	A few seen, 2008
Dewy Ringlet	<i>Erebia pandrose</i>	Mangart and Vogel
Meadow Brown	<i>Maniola jurtina</i>	Soca Valley
Small Heath	<i>Coenonympha pamphilus</i>	Only on one day
Pearly Heath	<i>Coenonympha arcania</i>	Widespread in small numbers
Alpine Heath	<i>Coenonympha gardetta</i>	Mangart 2012
Speckled Wood	<i>Pararge aegeria</i>	Loibl
Large Wall Brown	<i>Lasiommata maera</i>	Scattered records, several at Loibl
Northern Wall Brown	<i>Lasiommata petropolitana</i>	Seen on Day 5, 2013
Woodland Brown	<i>Lopinga achine</i>	1 on Day 5

Hesperidae

Large Grizzled Skipper	<i>Pyrgus alveus</i>	Seen on day 5
Alpine Grizzled Skipper	<i>Pyrgus andromedae</i>	1 at Gilberti 2011
Dingy Skipper	<i>Erynnis tages</i>	Italy 2013
Chequered Skipper	<i>Carterocephalus palaemon</i>	Day 5 and Loibl 2013
Essex Skipper	<i>Thymelicus lineola</i>	Bohinj
Small Skipper	<i>Thymelicus sylvestris</i>	Soca Valley
Large Skipper	<i>Ochlodes venatus</i>	Widespread in small numbers

Systematic List Number 3 Birds

The taxonomic nomenclature and systematic order loosely follows both that of Voous (1977) and that found in Lars Jonsson's *Birds of Europe*.

Grey Heron	<i>Ardea cinerea</i>
Mute Swan	<i>Cygnus olor</i>
White Stork	<i>Ciconia ciconia</i> (2012)
Sparrowhawk	<i>Accipiter nisus</i> (2012)
Common Buzzard	<i>Buteo buteo</i>
Golden Eagle	<i>Aquila chrysaetos</i> (2010)
Common Kestrel	<i>Falco tinnunculus</i>
Hobby	<i>Falco subbuteo</i> (2010)
Ptarmigan	<i>Lagopus mutus</i> (2008)
Rock Dove	<i>Columba livia</i>
Woodpigeon	<i>Columba palumbus</i>
Collared Dove	<i>Streptopelia decaocto</i>
Alpine Swift	<i>Apus melba</i>
Wryneck	<i>Jynx torquilla</i> (2013)
Grey-headed Woodpecker	<i>Picus canus</i> (2011, heard 2012)
Green Woodpecker	<i>Picus viridis</i>
Black Woodpecker	<i>Dryocopus martius</i> (heard)
Great Spotted Woodpecker	<i>Dendrocopos major</i>
Middle Spotted Woodpecker	<i>Dendrocopos medius</i> (2012)
Skylark	<i>Alauda arvensis</i>
Crag Martin	<i>Ptyonoprogne rupestris</i>
Swallow	<i>Hirundo rustica</i>
House Martin	<i>Delichon urbica</i>
Tree Pipit	<i>Anthus trivialis</i>
Water Pipit	<i>Anthus spinoletta</i>
Grey Wagtail	<i>Motacilla cinerea</i>
White Wagtail	<i>Motacilla a. alba</i>
Wren	<i>Troglodytes troglodytes</i>
Dipper	<i>Cinclus cinclus</i>
Dunnock	<i>Prunella modularis</i>
Alpine Accentor	<i>Prunella collaris</i> (2012)
Robin	<i>Erithacus rubecula</i>
Black Redstart	<i>Phoenicurus ochruros</i>
Common Redstart	<i>Phoenicurus phoenicurus</i>
Northern Wheatear	<i>Oenanthe oenanthe</i>
Ring Ouzel	<i>Turdus torquatus</i>
Blackbird	<i>Turdus merula</i>
Fieldfare	<i>Turdus pilaris</i> (2013)
Song Thrush	<i>Turdus philomelos</i>
Mistle Thrush	<i>Turdus viscivorus</i>
Garden Warbler	<i>Sylvia borin</i>
Blackcap	<i>Sylvia atricapilla</i>
Bonelli's Warbler	<i>Phylloscopus bonelli</i>
Chiffchaff	<i>Phylloscopus collybita</i>

Goldcrest	<i>Regulus regulus</i>
Firecrest	<i>Regulus ignicapillus</i>
Spotted Flycatcher	<i>Muscicapa striata</i>
Long-tailed Tit	<i>Aegithalos caudatus</i>
Marsh Tit	<i>Parus palustris</i>
Willow Tit	<i>Parus montanus</i>
Crested Tit	<i>Parus cristatus</i>
Coal Tit	<i>Parus ater</i>
Blue Tit	<i>Parus caeruleus</i>
Great Tit	<i>Parus major</i>
Nuthatch	<i>Sitta europaea</i>
Treecreeper	<i>Certhia familiaris</i>
Golden Oriole	<i>Oriolus oriolus</i> (2010)
Red-backed Shrike	<i>Lanius collurio</i> (2012)
Jay	<i>Garrulus glandarius</i>
Magpie	<i>Pica pica</i>
Nutcracker	<i>Nucifraga caryocatactes</i>
Alpine Chough	<i>Pyrrhocorax graculus</i>
Carrion Crow	<i>Corvus corone corone</i>
Hooded Crow	<i>Corvus corone cornix</i>
Raven	<i>Corvus corax</i>
Starling	<i>Sturnus vulgaris</i>
House Sparrow	<i>Passer domesticus</i>
Tree Sparrow	<i>Passer montanus</i>
Snow Finch	<i>Montifringilla nivalis</i> (2011)
Chaffinch	<i>Fringilla coelebs</i>
Serin	<i>Serinus serinus</i>
Greenfinch	<i>Carduelis chloris</i>
Goldfinch	<i>Carduelis carduelis</i>
Linnet	<i>Carduelis cannabina</i>
Common Crossbill	<i>Loxia curvirostra</i>
Bullfinch	<i>Pyrrhula pyrrhula</i>
Hawfinch	<i>Coccothraustes coccothraustes</i> (2011)
Yellowhammer	<i>Emberiza citrinella</i>

Systematic List Number 4

Mammals, Reptiles & Amphibians

Alpine Ibex	<i>Capra ibex</i>	A total of 7 seen superbly well and watched for a prolonged period at Bila Pec, 2011. 2012 a female from Kanin. 2013, 5 above Sella Nevea. 1 on Hochobir 2012.
Chamois	<i>Rupicapra rupicapra</i>	1 in Bohinj area 2012.
Fallow Deer	<i>Dama dama</i>	Seen on 3 days.
Roe Deer	<i>Capreolus capreolus</i>	Mangart and Sella Nevea.
Alpine Marmot	<i>Marmota marmota</i>	2 seen well on separate days, 2008. Much feeding evidence.
Red Squirrel	<i>Sciurus vulgaris</i>	Scattered records 2012.
Bank Vole	<i>Clethrionomys glareolus</i>	1 watched for some time on Kanin, 2009.
Snow Vole	<i>Microtus nivalis</i>	2012 Mangart.
Wood Mouse	<i>Apodemus sylvaticus</i>	Many close views in 2012, a feature of the tour. Seen on 5 days. Numerous at Loibl, 2012.
Mouse sp.		1 seen briefly on Hochobir, 2009
European Hare	<i>Lepus europaeus</i>	Seen on two days 2011.
Western Hedgehog	<i>Erinaceus europaeus</i>	Road casualties.
European Mole	<i>Talpa europaea</i>	A road casualty.
Fire Salamander	<i>Salamandra salamandra</i>	Many larvae in a roadside pool on the last day.
Alpine Salamander	<i>Salamandra atra</i>	3 on the Slovenian side of the Loibl Pass, 2010.
Yellow-bellied Toad	<i>Bombina variegata</i>	Heard in Bovec.
Common Frog	<i>Rana temporaria</i>	Scattered records.
Viviparous Lizard	<i>Lacerta vivipara</i>	Scattered records.
Common Wall Lizard	<i>Podarcis muralis</i>	Scattered records.
Slow Worm	<i>Anguis fragilis</i>	1 in Austria 2012.
Smooth Snake	<i>Coronella austriaca</i>	1 seen well near Bohinj, 2008.
Adder	<i>Vipera berus</i>	A black individual on the Austrian side of the Loibl Pass, 2009.