

# The Bavarian Alps

Naturetrek Tour Report

29th May – 5th June 2023

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Lady's Slipper Orchid



Marmot



Klausbachthal Valley



Clusius's Gentian

Tour report and images by Bruce Middleton

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Tour participants: Bruce Middleton & Russ Hedley (leaders) with fourteen Naturetrek clients

## Summary

We had nice weather with lots of sunshine to enjoy the beautiful and varied scenery to be found in Bavaria. There were plenty of plants to see and enjoy. Highlights of our forays into the Berchtesgaden Alpine National Park included Lady's Slipper, Fly, Early Purple, Frog, Lesser Butterfly, Fragrant and Marsh Orchids, Alpine Snowbell and Spring Gentian. Golden Eagle, Marmot and Chamois were all spotted, then with all the sunny days out came the butterfly species including Swallowtail, Duke of Burgundy, Camberwell Beauty and Chequered Skipper. Other highlights included a trip to Hitler's infamous Eagle's Nest. As well as a visit to the picturesque and historic city of Salzburg.

## Day 1

Monday 29th May

Weather: Warm and sunny.

Bruce and Russ welcomed fourteen Naturetrekkers at Munich airport. Because of the delays in picking up the minibuses and the long journey to the hotel, we did not have time to stop anywhere on route.

When we arrived at the Alpen Hotel Hundsheim Lehen to sign in and collect our keys, we were offered a nice welcoming drink. Then we were asked what we wanted from the evening's menu, given our keys and then we had time to freshen up before having supper. Just after supper we went for a quick walk around the grounds of the hotel before it became too dark. We looked out admiring the views across the mountains and could see the Eagle's Nest lit up nestled among them. On the walk we came across an area of meadow with Betony *Stachys officinalis*, Greater Burnet *Sanguisorba officinalis*, Hairy Chervil *Chaerophyllum hirsutum*, Round-leaved Rampion *Phyteuma orbiculare* and a form of Early Purple Orchid *Orchis mascula* subsp. *speciosa* and then in the woods, we found Sanicle, Mossy Sandwort *Moehringia muscosa*, Sword-leaved Helleborine *Cephalanther longifolia*, Bird's-nest Orchid *Neottia nidus-avis*, Twayblade *Neottia ovata* and False Aster *Bellidastrium michelli*. We also heard the jangling of bells around the necks of domesticated cattle grazing under the trees that graze both the meadows and woodland to help ensure a rich biodiversity to this area.

## Day 2

Tuesday 30th May

Weather: Dry and sunny with a short period of a few drops of rain

The group set off after breakfast on a short drive to the Klausbachtal beside a small mountain lake called Hintersee. We parked at the car park there and then had to move fast to catch the hiker's bus to take us up to the Austrian border at the top of the valley at 1,180 metres above sea level. After crossing the border with the bus, we were soon re-entering Germany on foot to start our descent down towards Hintersee.

We made our way down the road to begin with but soon veered to the right to follow a footpath and discovered Wood Stitchwort *Stellaria nemorum* and Round-leaved Saxifrage *Saxifraga rotundifolia*. We continued down the woodland path until we came out onto the Bind-Alm (alpine meadow) we could see the mountains of the Reiteralpe and the Hochkalter beside us. This year the flowers were just coming out and really fresh. The grassland around us was smothered with the pink Birds-eye Primrose *Primula farinosa*, Clusius's Gentian *Gentiana clusii* and then there were the yellow Buckler Mustard *Biscutella laevigata* flowers and lilac-blue Matted Globularia *Globularia cordifolia*. We

also found on a grassy hillock a small Frog Orchid *Dactylorhiza viridis* beside some more Early Purple Orchid *Orchis mascula* subsp. *speciosa*.

The path then entered into a narrow gorge surrounded in mixed woodland. Here, we recorded plants including Aconite-Leaved Buttercup *Ranunculus aconitifolius*, Alpine Honeysuckle *Lonicera alpigena*, Sword-leaved Helleborine *Cephalanthera longifolia* and Herb Paris *Paris quadrifolia*. We saw some Orange-tip butterflies *Anthocharis cardamines*, Pearl-bordered Fritillary *Boloria euphrosyne* as well as a Map butterfly *Araschnia levana*. We had our lunch on some seated tables beside an old forest warden's hut. Just after lunch a Camberwell Beauty butterfly *Nymphalis antiopa* was spotted. We continued down the trail and had to cross a suspension bridge, and here we crossed a spectacular 11- metre-deep ravine. The valley then revealed its typical 'U' shape created by an ice-age glacier, with hanging valleys and truncated spurs high on the shoulders of the Hochkalter Mountain. Then not much further down we came across wonderful clumps as well as individual plants of Lady's Slipper Orchid *Cypripedium calceolus*. We also recorded Common Butterwort *Pinguicula vulgaris*, Angular Solomon's-seal *Polygonatum odoratum* and Alpine Bistort *Polygonum viviparum*.

Then when we made it down to the Eagle observatory area, where we did see a Golden Eagle *Aquila chrysaetos* being mobbed by both a Raven *Corvus corax* and some Alpine Swift *Tachymarptis melba*. We also saw a Chequered Skipper *Carterocephalus palaemon* and a Swallowtail *Papilio machaon*.

We returned to the mini-buses and then it was off to the picturesque village of Ramsau to photograph the famous baroque church with its mountain backdrop. We all saw a Dipper *Cinclus cinclus* diving into the river and then dipping on the rocks as another one flew on down river past this one. Then it was noticed that there was a large bird in the sky in the distant behind the church and on further investigation we realised we were looking at a Golden Eagle *Aquila chrysaetos* which could have been the same one we saw earlier. Then it was time to drive back to the hotel and freshen up before having a wonderful evening meal.

## Day 3

## Wednesday 31st May

Weather: Dry and sunny

Before breakfast some of us went out for an early morning bird watch. We saw a variety of birds that included Buzzard *Buteo buteo*, Western Bonelli's Warbler *Phylloscopus bonelli*, Black Redstart *Phoenicurus ochruros* and Firecrest *Regulus ignicapilla*. We also saw Red Squirrel *Sciurus vulgaris* and Roe deer *Capreolus capreolus*.

Then after breakfast we set off to Konigssee Lake and after buying the tickets for the boat and carpark, we were sailing along the 200-metre-deep fjord-like lake. What added to the peacefulness of the journey was the quiet electric motor that powered the boat. The Boat master on the boat told us that the mountain beside us was named the Watzmann Mountain (2,713 metres) with its imposing Ostwand (east cliff). Then another crew member of the boat-master played an alpine horn harmonized by the echo of the surrounding mountains which was very impressive. Then we moored up and visited St Bartholoma, where there is a terracotta domed church which was adjoined by a former Royal hunting lodge which today is a Gasthof. After visiting the church, we set off across the lake side meadow towards the woods.

There was a good mix of flowers to be found including Early Marsh Orchid *Dactylorhiza incarnata* and Bistort *Polygonum bistorta* in wet areas and Common Spotted Orchid *Dactylorhiza fuchsii* along the lake bank. As we continued,

we found Fly Orchid *Ophrys insectifera*, Lesser Butterfly Orchid *Platanthera bifolia*, Fragrant Orchid *Gymnadenia conopsea*, Bladder Gentian *Gentiana utriculosa*, Christmas Rose *Helleborus niger* and more Lady's slipper orchid *Cypripedium calceolus*. We saw Chequered Skipper *Carterocephalus palaemon* and another Camberwell Beauty *Nymphalis antiopa*. We also heard the drumming of a Black Woodpecker *Dryocopus martius* on the other side of the lake. We returned back to St Bartholoma and from here we continued our journey on to a place called Salet. Whilst traveling there we saw some Great crested Grebe *Podiceps cristatus*

On arrival we found a shady place to sit and have lunch and whilst here we saw a Map butterfly *Araschnia levana* and the poisonous white flowered Swallow-wort *Vincetoxicum nigrum*. Then we took a short hike to the Obersee (Upper Lake) at the end of the valley and on the way, we saw a mother Goosander *Mergus merganser* and her young paddle by. There was a good stand of Yellow Iris *Iris pseudacorus* beside the lake shore. There was also a large patch of Dwarf Elder *Sambucus ebulus* along the path edge. There were also large boulders covered with Mossy Sandwort *Moebria muscosa* and then as we came up to the Obersee we found Tower Mustard *Turritis glabra* and Narrow-leaved Bitter-cress *Cardamine impatiens*. Obersee is surrounded by almost vertical limestone cliffs on three sides with a single trail leading to a small Alm (Alpine meadow) nestled near the highest waterfall in Germany, the Roethbach Falls.

We then made our way back to Salet to the boat that took an hour to get us back to Konigsee. We were soon driving back to Bischofswiesen to have a much-deserved evening supper before doing our evening species list.

## Day 4

## Thursday 1st June

Weather: Dry and sunny all day

We set off just after nine o'clock towards the car park at Obersalzberg, which is around 900 metres above sea level. We were early enough to board the first bus. Once on the bus we ascended up to Hitler's Eagle's Nest perched high on top of the Kehlstein Mountain (1,834 metres). When we arrived, we had to walk into a tunnel and then wait for the lift to take us up. The lift is the original Art Deco brass lift and this took us up some 400 feet through the heart of the mountain into the middle of the building. Today the building is a café and is the only part of Hitler's Eagles Nest that remains. Hitler's house and Goering's and Bormann's houses which were lower down were all destroyed soon after the end of the Second World War.

When we came out of the lift, we were soon met by the most magnificent views down into Salzburg and all around. There were still small areas covered in snow and in between we found Oxlip *Primula elatior*, Wood Anemone *Anemone nemorosa*, Drooping Bitter-cress *Cardamine enneaphyllos* and White Butterbur *Petasites albus*. all in flower. The prominent bird was the Alpine Chough *Pyrrhocorax graculus* which seemed to be very tame here. However, there was also a very vocal Crossbill *Loxia curvirostra* singing its heart out too. Some of us walked to the summit and here we found Dwarf Alpenrose *Rhodothamnus chamaecistus* in flower and also the Hairy Alpenrose *Rhododendron hirsutum*, which was not in flower, Alpine Buttercup *Ranunculus alpestris*, otherwise we saw Small Tortoiseshell butterflies *Aglais urtica* and some of us saw a Chamois *Rupicapra rupicapra* not far below us.

After being on the top for around an hour we started to descend down the path leading back to the bus stop outside the front of the tunnel. The plants of interest that we saw included Alpine Pasqueflower *Anemone alpina* and Narcissus-flowered Anemone *Anemone narcissiflora*. Bear's Ears *Primula auricula* and Chamois cress *Hornugia alpina*

Then we set off to the Rossfeld toll road (part of the German Alpine Road) which twisted its way up to 1,600 metres elevation. When we reached the top, we could enjoy the panoramic views across the surrounding valleys in Germany and Austria. We parked up beside the café (which was closed) and walked out to an area where we had a magnificent view to sit down and have our packed lunch. Here after lunch, we did a circular walk and found Yellow Star of Bethlehem *Gagea lutea*, Golden drops *Onosma arenaria* and some more Bladder Gentian *Gentiana utriculosa*. We also saw Kestrel and Ring Ouzel. We then carried on along the Toll Road until we found the Rossfeld Ski Hutte where we stopped for drinks and for some Apfel Strudel.

Then we drove back to the hotel to freshen up and have our evening meal.

## Day 5

## Friday 2nd June

Weather: Dry and Sunny

The day started with an early morning bird walk before breakfast and we were greeted by a number of birds that included Firecrest *Regulus ignicapilla* and a Crested Tit *Lophophanes cristatus*. We also found a Green Tiger-beetle *Cicindela campestris* scurrying along the path near the hotel.

Then after breakfast we left the Hotel and made our way back towards Konigsee and parked at the Jenner cable car park. After paying for the parking tickets and lift tickets we went right up to the top of Jenner Mountain on the lift. At the top because the sun was out and the sky fairly clear we had stunning views all around. Whilst at the top we noticed a Chamois *Rupicapra rupicapra* far off on a mountain slope sitting in the snow. We then descended down the slope and it was not long before we noticed lovely clumps of Leaf-less Globularia *Globularia cordifolia*, Alpine Butterwort *Pinguicula alpina*, Bear's Ears *Primula auricula* Hybrid Buttercup *Ranunculus hybrida* and Mountain Milkwort *Polygala alpestris*. We noticed lots and lots of Green Hairstreaks *Callophrys rubi* and Small Tortoiseshell *Aglais urtica* butterflies. We made our way down to where the land levelled off and then after a short climb, we stopped for a refreshing drink at the Gasthaus Schneibsteinhaus. Here we observed another Chamois *Rupicapra rupicapra* again sitting in the snow and we also observed a Ring Ouzel *Turdus torquatus*. Then we continued down the trail where we spotted a number of butterflies including Small Blue *Cupido minimus*, Pearl-bordered Fritillary *Boloria euphrosyme* and Dark-veined White *Pieris bryoniae*. On the Alm slopes we found the meadows were rich in flowers including Globeflower *Trollius europaeus* and Golden Hawksbeard *Crepis aurea* and Early Purple Orchid *Orchis mascula* subsp. *speciosa*. We also saw Red Crossbills *Loxia curvirostra*, Siskin *Carduelis spinus* and heard Cuckoo *Cuculus canorus*, Black Woodpecker *Dryocopus martius* as well as Yellowhammer *Emberiza citrinella*.

When we stopped for our picnic we found Herb Paris *Paris quadrifolia* and Wood Stitchwort *Stellaria nemorum*. Then we carried on to the middle cable car station and whilst walking we saw Alpine Marmot *Marmota marmota* and we were also met by a friendly milk cow that liked to lick your hand as you passed. Then some of us spotted an Alpine Marmot *Marmota marmota* who was not far from the path giving great opportunities for many to take photographs.

As we continued on to the middle cable car station, we saw lots of Tofield's Asphodel (*Tofieldia calyculata*), some Alpine Clematis *Clematis alpina*, Golden Drops *Onosma arenaria*, Perennial Honesty *Lunaria rediviva* and Tuberous Comfrey *Symphytum tuberosum*. Then we stopped for another drink before returning down to the car park via the cable car.

We returned back to the hotel and had our delicious dinner before going through the list.

## Day 6

Saturday 3rd June

Weather: Dry and sunny all day

First, we drove to the Hellbrunn Palace which is on the periphery of Salzburg. The palace was the former summer residence of the Archbishops of Salzburg. Some of us visited the reconstruction of the garden house filmed in the "Sound of Music". We looked at some enormous specimen trees in the arboretum which included Wellingtonia *Sequoiadendron giganteum*, Dawn Redwood *Metasequoia glyptostroboides*, Small-leaved Lime *Tilia cordata*, Large-leaved Lime *Tilia platyphyllos* and Tulip Tree *Liriodendron tulipifera*. We also found Ramsons *Allium ursinum* and Herb Paris *Paris quadrifolia* growing under some of these trees. Then we went to see the Ibex *Capra ibex* beside the entrance to the zoo. We also came across a pond with enormous Sturgeon *Acipenser sturio* in it.

Then we took the number 25 city bus to the centre of Salzburg. We found to our delight that the bus was free if you travel on Saturdays. When we alighted the bus, we were soon overlooking the Mirabell gardens that again had been used in the "Sound of Music". After crossing the Salzach River and taking photos of the castle from the bridge, we wandered on to the Cathedral where we split up to do whatever we wanted until four but agreed to meet at the same place - so we could all go back together to pick up a bus. Some of us visited the famous shopping street known as the Getreide Strasse, taking in Mozart's house, then onwards past the Tomeselli café where some of us stayed and sampled the coffee and wonderful cake, and the Cathedral, St Peters Monastery and Church. Some of us stopped close to the cathedral and had our lunch. Some went on exploring the streets and the catacombs. Others walked up to the nature reserve to look down on the city of Salzburg and for those that did, discovered Fairy's Thimbles *Campanula cochlearifolia* growing from the rock face and Ivy-leaved Toadflax *Cymbalaria muralis*, Maidenhair Spleenwort *Asplenium trichomanes* on the walls in Salzburg.

There were also Common Swifts *Apus apus* and Kestrels *Falco tinnunculus* flying around the cliffs near the cathedral. There were also Hummingbird Hawk Moths *Machroglossum stellatarum* to be seen flying around and some of us saw a Beautiful Demoiselle *Calopteryx virgo*. Then we met up at four beside the cathedral and made our way to the bus stop to then journey back to the minibus. Some of us spotted Mistletoe *Viscum album* in the trees beside the carpark where we parked our vehicles.

Then we returned to the hotel to freshen up before sitting down to another delicious meal.

## Day 7

Sunday 4th June

Weather: The day started with cloud and then the sun came out until the early afternoon and then it started raining quite hard

After a short drive from the hotel, we arrived at the car park situated in the base of the Wimbach valley. Then after alighting the vehicles and paying for the parking tickets we had a gradual climb up the valley to a kiosk on foot where we had to purchase tokens for the gorge. Once we pushed our way through a turn-stile gate we entered a very amazing primitive gorge with water cascading down from numerous places and we were soon seeing interesting plants such as Wolf's-bane *Aconitum vulparia* and Round-leaved Saxifrage *Saxifraga rotundifolia* standing out against the stark rock.

Then after leaving the gorge via another turnstile gate, we came out on to a wider path and from here there was gentle climb along a path. On the path we found Lesser Butterfly *Platanthera bifolia*, Fly *Ophrys insectifera*, Birds-nest *Neottia nidus-avis*, Common-spotted *Dactylorhiza fuchsii*, Fragrant *Gymnadenia conopsea*, Frog *Dactylorhiza viridis* Orchids and Sword-leaved Helleborine *Cephalanther longifolia*. We also saw an Adder *Vipera berus*, Camberwell Beauty *Nymphalis antiopa* and Chequered Skipper *Carterocephalus palaemon*. We continued to follow the stream until we came to a weir and then we saw above it a flat area of shifting scree going up the valley. Over millions of years since before the last ice age a 300-metre-deep lake has been filled in completely by the crumbling limestone mountains surrounding the 'U' shaped valley. The Wimbach (river) runs under the scree for several miles before appearing on the surface again. The river carrying 4,500 tonnes of rock debris per annum with it, heading towards the Danube. The scree collects seeds that have been washed down from the mountains above. So Alpine Toadflax *Linaria alpina*, that is usually found growing at over 1,500 metres and Spring Sandwort (*Minuartia verna*) were both found. We were also lucky to see our first and only Nutcracker *Nucifraga caryocatactes* as well as our first and only Jay *Garrulus glandarius* for the tour.

We made our way to an area with weather instruments before we sat down for our packed lunch. We were joined by Swallowtail *Papilio machaon*, Green Hairstreaks *Callophrys rubi* and Grizzled Skipper *Pyrgus malvae* butterflies. We delighted in finding Rock Valerian *Valeriana saxatilis*, Mountain Avens *Dryas octopetala*, Blue Saxifrage *Saxifrage caesia*, Alpine Gypsophila *Gypsophila repens* the low-growing Dwarf Mountain Pine *Pinus mugo*. The Wimbach Schloss, formerly a hunting lodge owned by the Bavarian Royal family and now owned by the National Park was our refreshment stop. We enjoyed drinks, local food and we arrived just as the heavens opened.

On the way back we were very lucky to find the saprophytic Coralroot Orchid (*Corallorhiza trifida*) which had gone over in the shady beech woods. We also noticed the narrower leaved Sermountain *Laseritium siler* and Broad-leaved Sermountain *Laseritium latifolium* growing along our path. However, we set off at a good pace because the rain kept on coming down. When we reached the minibuses, we quickly returned to the hotel to change clothes and then we set off to the Zipfhausl Gasthaus for our last meal of the tour instead of our usual place to eat because the hotel kitchen was closed on the Sunday evening.

## Day 8

Monday 5th June

Weather: Sunny all day

After breakfast we loaded the luggage into the minibus for the drive back to Munich Airport. We enjoyed the last look at the stunning mountain scenery as we left the Alpen Hotel grounds and reflected on the interesting and very varied places and habitats we had visited on the tour. Whilst on the drive both Buzzard and Red Kite were seen.



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## Species lists

### Plants

Key: B – Bischofswiesen; KB – Klausbachtal; J -Jenner; S – Salzburg; K – Konigssee; W – Wimbachtal; EN - Eagle's Nest; R – Rossfeld

Nomenclature contained within this list follows the taxonomic amendments, based on DNA analysis, made by the Royal Botanic Gardens, Kew and the Missouri Botanic Garden, and following The Plant List, an internationally accepted list of vascular plant families, published and maintained by these two Institutions.

Scientific name	Common name	Location
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B – Bischofswiesen; KB – Klausbachtal; J -Jenner; S – Salzburg; K – Konigssee;  
W – Wimbachtal; EN - Eagle's Nest; R – Rossfeld

#### PTERIDOPHYTES

#### FERNS & ALLIES

##### Lycophytes

##### Lycopodiaceae

*Lycopodium annotinum*

*Lycopodium clavatum*

*Diphasiastrum alpinum*

##### Clubmoss Family

Interrupted Clubmoss

Stag's-horn Clubmoss

Alpine Clubmoss

KB

W J

J EN W

##### Calamophytes

##### Equisetaceae

*Equisetum arvense*

*Equisetum palustre*

*Equisetum sylvatica*

*Equisetum telmateia*

*Equisetum variegatum*

##### Horsetail Family

Field Horsetail

Marsh Horsetail

Wood Horsetail

Greater Horsetail

Variegated Horsetail

R

KB

KB EN

EN

K R

#### Leptosporangiate Ferns

#### True Ferns



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B – Bischofswiesen; KB – Klausbachtal; J – Jenner; S – Salzburg; K – Königssee; W – Wimbachtal; EN – Eagle's Nest; R – Rossfeld		
<b>Aspleniaceae</b>	<b>Spleenwort Family</b>	
<i>Asplenium ruta-muraria</i>	Wall-rue	J S K W KB
<i>Asplenium (Phyllitis) scolopendrium</i>	Hart's-tongue	K J S R
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	K KB J S W
<i>Asplenium viride</i>	Green Spleenwort	B KB J K EN
<b>Athyriaceae</b>	<b>Lady-fern Family</b>	
<i>Athyrium alpestre</i>	Alpine Lady Fern	KB
<i>Athyrium filix-femina</i>	Lady-fern	B K KB J W
<b>Blechnaceae</b>	<b>Hard-fern Family</b>	
<i>Blechnum spicant</i>	Hard Fern	B J
<b>Cystopteraceae</b>	<b>Bladder-fern Family</b>	
<i>Cystopteris alpina</i>	Alpine Bladder-fern	K KB J EN
<i>Cystopteris fragilis</i>	Brittle Bladder-fern	KB S W J
<i>Gymnocarpium robertianum</i>	Limestone Fern	B KB J K W
<b>Dennstaedtiaceae</b>	<b>Bracken Family</b>	
<i>Pteridium aquilinum</i>	Bracken	KB B J
<b>Dryopteridaceae</b>	<b>Buckler-fern Family</b>	
<i>Dryopteris affinis</i>	Golden Scaly Male-fern	B
<i>Dryopteris dilatata</i>	Broad Buckler-fern	KB B
<i>Dryopteris filix-mas</i>	Male-fern	B K KB W J S
<i>Polystichum aculeatum</i>	Hard Shield-fern	KB J
<i>Polystichum lonchitis</i>	Holly Fern	KB J EN
<i>Polystichum setiferum</i>	Soft Shield Fern	B K
<b>Polypodiaceae</b>	<b>Polypody Family</b>	
<i>Polypodium vulgare</i>	Common Polypody	K KB S
<b>GYMNOSPERMS</b>		
<b>Cupressaceae</b>	<b>Juniper Family</b>	
<i>Juniperus communis</i>	Juniper	K KB J W
<i>Juniperus communis</i> var. <i>saxatilis</i>	Dwarf Juniper	EN
<b>Pinaceae</b>	<b>Pine Family</b>	
<i>Abies alba</i>	European Silver Fir	KB J
<i>Larix decidua</i>	European Larch	K KB J
<i>Picea abies</i>	Norway Spruce	B K KB J
<i>Pinus cembra</i>	Arolla Pine	KB W
<i>Pinus mugo</i>	Dwarf Mountain Pine	KB J EN
<i>Pinus sylvestris</i>	Scot's Pine	KB J
<i>Pinus uncinata</i> (incl <i>P. rotundata</i> )	Mountain Pine	W
<b>Taxaceae</b>	<b>Yew Family</b>	
<i>Taxus baccata</i>	Yew	S
<b>ANGIOSPERMS</b>		
<b>FLOWERING PLANTS</b>		

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B – Bischofswiesen; KB – Klausbachtal; J – Jenner; S – Salzburg; K – Königssee; W – Wimbachtal; EN – Eagle's Nest; R – Rossfeld		
<b>Pre-dicots</b>	<b>Primitive Angiosperms</b>	
<b>Aristolochiaceae</b>	<b>Birthwort Family</b>	
<i>Asarum europeum</i>	Asarabacca	B KB J W
<b>Eu-dicots</b>	<b>True Dicotyledons</b>	
<b>Adoxaceae</b>	<b>Moschatel Family</b>	
<i>Sambucus ebulus</i>	Dwarf Elder	KB K J
<i>Sambucus nigra</i>	Elder	B K EN KB EN J S
<i>Sambucus racemosa</i>	Red-berried Elder	KB EN J W
<i>Viburnum lantana</i>	Wayfaring Tree	KB
<i>Viburnum opulus</i>	Guelder-rose	B W KB
<b>Amaranthaceae (Chenopodiaceae)</b>	<b>Goose-foot Family</b>	
<i>Chenopodium bonus-henricus</i>	Good King Henry	J
<b>Apiaceae</b>	<b>Carrot Family</b>	
<i>Aegopodium podagraria</i>	Ground Elder	KB B K W
<i>Angelica sylvestris</i>	Wild Angelica	B KB J
<i>Anthriscus sylvestris</i>	Cow Parsley	B R
<i>Astrantia bavarica</i>	Bavarian Astrantia	B
<i>Astrantia major</i>	Great Masterwort	B K J KB
<i>Conopodium majus</i>	Pignut	K
<i>Chaerophyllum hirsutum</i>	Hairy Chervil	KB J B W R EN
<i>Daucus carota</i> agg.	Wild Carrot	W B
<i>Heracleum sphondylium</i>	Hogweed	B J
<i>Laserpitium latifolium</i>	Broad-leaved Sermountain	K J W
<i>Laserpitium siler</i>	A Sermountain	W
<i>Ligusticum mutelina</i>	Alpine Lovage	J
<i>Pimpinella major</i>	Greater Burnet Saxifrage	B
<i>Sanicula europaea</i>	Sanicle	B KB J K W
<b>Apocynaceae</b>	<b>Periwinkle Family</b>	
<i>Vincetoxicum hirundinaria</i>	Swallow-wort	B K W J
<b>Aquifoliaceae</b>	<b>Holly Family</b>	
<i>Ilex aquifolia</i>	Holly	B S
<b>Araliaceae</b>	<b>Ivy Family</b>	
<i>Hedera helix</i> agg.	Ivy	B K S W
<b>Balsaminaceae</b>	<b>Balsam Family</b>	
<i>Impatiens glandulifera</i>	Indian Balsam	B
<i>Impatiens parviflora</i>	Small Balsam	S
<b>Berberidaceae</b>	<b>Barberry Family</b>	
<i>Berberis vulgaris</i>	Barberry	K KB W R S
<b>Betulaceae</b>	<b>Birch Family</b>	
<i>Alnus glutinosa</i>	Common Alder	B K KB
<i>Alnus viridis</i>	Green Alder	EN R
<i>Betula pendula</i>	Silver Birch	B K KB J

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<i>Carpinus betulus</i>	Hornbeam	K KB S
<i>Corylus avellana</i>	Hazel	B K KB S W
<b>Boraginaceae</b>	<b>Forget-me-not Family</b>	
<i>Echium vulgare</i>	Viper's Bugloss	Roadsides
<i>Myosotis alpestris</i>	Alpine Wood Forget-me-not	J
<i>Myosotis arvensis</i>	Field Forget-me-not	J EN
<i>Myosotis scorpiodes</i>	Water Forget-me-not	B K KB
<i>Myosotis sylvatica</i>	Wood Forget-me-not	B KB
<i>Pulmonaria montana</i>	Mountain Lungwort	W
<i>Symphytum officinale</i>	Common Comfrey	W EN
<b>Brassicaceae</b>	<b>Cabbage Family</b>	
<i>Arabis alpina</i>	Alpine Rock-cress	EN
<i>Arabidopsis arenosa</i>	Tall Rock-cress	KB W
<i>Barbarea vulgaris</i>	Winter-cress	J
<i>Biscutella laevigata</i>	Buckler Mustard	KB K W R
<i>Capsella bursa-pastoris</i>	Shepherd's Purse	J R
<i>Cardamine alpina</i>	Alpine Bitter-cress	J
<i>Cardamine amara</i>	Large Bitter-cress	KB J W
<i>Cardamine bulbifera</i>	Coralroot	R
<i>Cardamine enneaphyllos</i>	Drooping Bitter-cress	K KB J EN W
<i>Cardamine flexuosa</i>	Wavy Bitter-cress	KB S J
<i>Cardamine impatiens</i>	Narrow-leaved Bitter-cress	K W S
<i>Cardamine pratensis</i>	Lady's Smock	B KB K
<i>Hornungia (Pritzelago) alpina</i>	Chamois Cress	K EN
<i>Kernera saxatilis</i>	Kernera	B K W
<i>Lunaria rediviva</i>	Perennial Honesty	J W
<i>Turritus glabra</i>	Tower Mustard	K S
<b>Campanulaceae</b>	<b>Bellflower Family</b>	
<i>Campanula cochlearifolia</i>	Fairy's Thimble	S
<i>Campanula glomerata</i>	Clustered Bellflower	W
<i>Campanula latifolia</i>	Giant Bellflower	S
<i>Campanula patula</i>	Spreading Bellflower	Roadsides W
<i>Campanula trachelium</i>	Nettle-leaved Bellflower	S
<i>Phyteuma orbiculare</i>	Round-headed Rampion	B J K W
<i>Phyteuma spicata</i>	Spiked Rampion	B K S J
<b>Caprifoliaceae</b>	<b>Honeysuckle Family</b>	
<i>Knautia arvensis</i>	Field Scabious	B
<i>Knautia dipsacifolia</i>	Wood Scabious	B KB K J
<i>Lonicera alpigena</i>	Alpine Honeysuckle	KB J
<i>Lonicera xylosteum</i>	Fly Honeysuckle	KB J W
<i>Scabiosa columbaria</i>	Scabious	B
<i>Valeriana officinalis</i>	Common Valerian	B K KB S W
<i>Valeriana saxatilis</i>	Rock Valerian	KB K J W
<i>Valeriana tripteris</i>	Three-leaved Valerian	KB J W EN
<i>Valeriana montana</i>	Mountain valerian	KB W
<b>Caryophyllaceae</b>	<b>Pink Family</b>	

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<i>Cerastium latifolium</i>	a Mouse-ear	W
<i>Cerastium fontanum</i>	Common Mouse-ear	KB W
<i>Minuartia verna</i>	Spring Sandwort	W
<i>Moehringia ciliata</i>	Creeping Sandwort	W J
<i>Moehringia muscosa</i>	Mossy Sandwort	B J K W
<i>Moehringia trinerva</i>	Three-veined Sandwort	B RAM K J
<i>Silene dioica</i>	Red Campion	K KB J S W R
<i>Silene (Lychnis) flos-cuculi</i>	Ragged Robin	KB B K S W EN
<i>Silene vulgaris</i>	Bladder Campion	B S W
<i>Stellaria graminea</i>	Lesser Stitchwort	B R
<i>Stellaria nemorum</i>	Wood Stitchwort	KB J
<i>Gypsophila repens</i>	Alpine Gypsophila	W
<b>Celastraceae</b>	<b>Spindle-tree Family</b>	
<i>Euonymus europaeus</i>	Spindle-tree	KB
<b>Cistaceae</b>	<b>Rock-rose Family</b>	
<i>Helianthemum nummularium</i>	Common Rockrose	KB J
<b>Compositae (Asteraceae)</b>	<b>Daisy Family</b>	
<i>Achillea clavennae</i>	Silvery Milfoil	EN
<i>Achillea millefolium</i>	Yarrow	KB B S J W
<i>Aposeris foetida</i>	Stinking Wood Salad	B KB J S K W
<i>Arctium minus</i>	Lesser Burdock	B
<i>Bellidastrium michelii</i>	False Aster	B KB J W
<i>Bellis perennis</i>	Daisy	B KB J S K
<i>Bupthalmum salicifolium</i>	Yellow Ox-eye	B
<i>Carduus defloratus</i>	Alpine Thistle	KB J W
<i>Carduus personata</i>	Great Marsh Thistle	W
<i>Carlina vulgaris</i>	Carlina Thistle	KB J K
<i>Centaurea montana</i>	Perennial Cornflower	KB J W R
<i>Centaurea scabiosa</i>	Greater Knapweed	B W
<i>Cicerbita alpina</i>	Alpine Sow-thistle	KB
<i>Cichorium intybus</i>	Chicory	Roadsides
<i>Cirsium oleraceum</i>	Cabbage Thistle	B S W
<i>Cirsium palustre</i>	Marsh Thistle	B K KB
<i>Cirsium vulgare</i>	Spear Thistle	B
<i>Crepis aurea</i>	Golden Hawksbeard	KB J
<i>Doronicum austriacum</i>	Austrian Leopard's-bane	W
<i>Erigeron neglectus</i>	Neglected Fleabane	KB J W
<i>Eupatorium cannabinum</i>	Hemp Agrimony	B KB J W
<i>Homogyne discolor</i>	an Alpine Coltsfoot	KB J EN
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	B K KB W J
<i>Matricaria discoides</i>	Pineapple-weed	KB B
<i>Mycelis muralis</i>	Wall Lettuce	KB K
<i>Petasites albus</i>	White Butterbur	KB J W
<i>Petasites hybridus</i>	Butterbur	KB EN
<i>Pilosella aurantiaca</i>	Fox-and-cubs	S W
<i>Pilosella officinarum</i> agg.	Mouse-eared Hawkweed	KB B
<i>Solidago virgaurea</i>	Goldenrod	K
<i>Sonchus oleraceus</i>	Smooth Sow-thistle	B

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<i>Prenanthes purpurea</i>	Purple Lettuce	B KB J W
<i>Taraxacum</i> sp.	Dandelion	B KB J S K W EN
<i>Tragopogon pratensis</i>	Goatsbeard	B W
<i>Tussilago farfara</i>	Colt's-foot	B KB J EN W
<b>Convolvulaceae</b>	<b>Bindweed Family</b>	
<i>Calystegia sylvatica</i>	Great Bindweed	S
<i>Convolvulus arvensis</i>	Field Bindweed	B
<b>Cornaceae</b>	<b>Dogwood Family</b>	
<i>Cornus sanguinea</i>	Dogwood	B K W
<b>Crassulaceae</b>	<b>Stonecrop Family</b>	
<i>Sedum atratum</i>	Dark Stonecrop	J
<i>Sedum sexangulare</i>	Tasteless Stone crop	S
<b>Ericaceae</b>	<b>Heather family</b>	
<i>Calluna vulgaris</i>	Heather	J
<i>Erica carnea</i>	Spring Heath	KB K W EN
<i>Pyrola rotundifolia</i>	Round-leaved Wintergreen	KB
<i>Rhododendron hirsutum</i>	Hairy Alpenrose	J EN
<i>Rhodothamnus chamaecistus</i>	Dwarf Alpenrose	KB J EN
<i>Vaccinium myrtillus</i>	Bilberry	KB W J
<b>Euphorbiaceae</b>	<b>Spurge Family</b>	
<i>Euphorbia amygdaloides</i>	Wood Spurge	KB K W J
<i>Euphorbia cyparissias</i>	Cypress Spurge	B K KB J W
<i>Mercurialis perennis</i>	Dog's Mercury	B KB J W
<b>Fagaceae</b>	<b>Oak &amp; Beech Family</b>	
<i>Fagus sylvatica</i>	Beech	B K KB W
<i>Quercus robur</i>	Pedunculate Oak	S W
<b>Gentianaceae</b>	<b>Gentian Family</b>	
<i>Gentiana asclepiadea</i>	Willow Gentian	K KB J W
<i>Gentiana clusii</i>	Clusius's Gentian	KB K W EN J
<i>Gentiana utriculosa</i>	Bladder Gentian	K KB R W
<i>Gentiana verna</i>	Spring Gentian	KB J R K
<b>Geraniaceae</b>	<b>Geranium Family</b>	
<i>Geranium phaeum</i>	Dusky Crane's-bill	S
<i>Geranium robertianum</i>	Herb Robert	B KB J S W K
<i>Geranium sylvaticum</i>	Wood Crane's-bill	J KB R
<b>Hypericaceae</b>	<b>St. John's-wort Family</b>	
<i>Hypericum maculatum</i>	Imperforate St John's-wort	B K
<i>Hypericum perforatum</i>	Perforate St John's-wort	B K
<i>Hypericum tetrapterum</i>	Square-stemmed St John's-wort	B K
<b>Juglandaceae</b>	<b>Walnut Family</b>	
<i>Juglans regia</i>	Walnut Family	B S

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<b>Lamiaceae</b>	<b>Dead-nettle Family</b>	
<i>Ajuga reptans</i>	Bugle	B KB J S K W
<i>Clinopodium (Acinos) alpinum</i>	Alpine Basil Thyme	B KB J K W
<i>Glechoma hederacea</i>	Ground-ivy	B
<i>Lamiastrum galeobdolon</i> subsp. <i>montanum</i>	Yellow Archangel	B KB J K W S
<i>Lamium garganicum</i>	Large Red Dead-nettle	KB J R
<i>Mentha aquatica</i>	Water Mint	K
<i>Mentha longifolia</i>	Horse Mint	KB B KB J W
<i>Origanum vulgare</i>	Marjoram	KB B J K
<i>Prunella vulgaris</i>	Self-heal	B J
<i>Salvia pratensis</i>	Meadow Clary	Roadsides K
<i>Stachys alopencuros</i>	Yellow Betony	K W
<i>Stachys officinalis</i>	Betony	KB B
<i>Stachys sylvatica</i>	Hedge Woundwort	S
<i>Thymus polytrichus</i>	Wild Thyme	KB K W J R
<b>Leguminosae (Fabaceae)</b>	<b>Pea Family</b>	
<i>Anthyllis vulneraria</i> agg.	Kidney Vetch	KB B K J W R
<i>Hippocrepis comosa</i>	Horseshoe Vetch	B KB J K W R
<i>Lathyrus pratensis</i>	Yellow Vetchling	B KB J S
<i>Lotus corniculatus</i>	Bird's-foot Trefoil	B KB J K W R
<i>Medicago lupulina</i>	Black Medick	B S W
<i>Onobrychis montana</i>	Sainfoin	Roadsides
<i>Trifolium dubium</i>	Lesser Trefoil	B
<i>Trifolium medium</i>	Zigzag Clover	KB W
<i>Trifolium montanum</i>	Mountain Clover	KB
<i>Trifolium pratense</i>	Red Clover	B J S W
<i>Trifolium repens</i>	White Clover	B J S
<i>Vicia cracca</i>	Tufted Vetch	B S K W
<i>Vicia sepium</i>	Bush Vetch	B KB J R S W
<b>Lentabulariaceae</b>	<b>Bladderwort Family</b>	
<i>Pinguicula alpina</i>	Alpine Butterwort	KB J R
<i>Pinguicula vulgaris</i>	Common Butterwort	B K KB S W
<b>Linaceae</b>	<b>Flax Family</b>	
<i>Linum catharticum</i>	Purging or Fairy Flax	B K KB J W
<b>Malvaceae</b>	<b>Mallow Family</b>	
<i>Tilia cordata</i>	Small-leaved Lime	S
<i>Tilia platyphyllos</i>	Large-leaved Lime	S
<b>Menyanthaceae</b>	<b>Bogbean Family</b>	
<i>Menyanthes trifoliata</i>	Bogbean	B K
<b>Oleaceae</b>	<b>Olive Family</b>	
<i>Fraxinus excelsior</i>	Ash	B K KB
<i>Ligustrum vulgare</i>	Wild Privet	W S
<b>Onagraceae</b>	<b>Willowherb Family</b>	

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<i>Circaea lutetiana</i>	Enchanter's Nightshade	R K
<i>Epilobium montanum</i>	Broad-leaved Willowherb	S J W
<i>Epilobium adenocaulon</i>	American Willowherb	J
<b>Orobanchaceae</b>	<b>Broomrape Family</b>	
<i>Melampyrum sylvaticum</i>	Wood Cow-wheat	B W J
<i>Rhinanthus minor</i> agg.	Yellow Rattle	B KB J K W
<i>Rhinanthus serotinus</i>	Greater Yellow Rattle	KB B
<b>Oxalidaceae</b>	<b>Wood-sorrel Family</b>	
<i>Oxalis acetosella</i>	Wood-sorrel	B KB K W EN J
<b>Papaveraceae</b>	<b>Poppy Family</b>	
<i>Chelidonium majus</i>	Greater Celandine	K
<i>Papaver rhoeas</i>	Corn Poppy	S
<i>Pseudofumaria lutea</i>	Yellow Corydalis	RAM S
<b>Plantaginaceae</b>	<b>Plantain Family</b>	
<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax	K S
<i>Globularia nudicaulis</i>	Matted Globularia	B KB J K W
<i>Globularia</i>	Leafless Globularia	J W
<i>Linaria alpina</i>	Alpine Toadflax	W
<i>Plantago lanceolata</i>	Ribwort Plantain	K B J
<i>Plantago major</i>	Greater Plantain	K KB
<i>Plantago media</i>	Hoary or Lamb's-tail Plantain	B K KB J W
<i>Veronica aphylla</i>	Leafless-stemmed Speedwell	J
<i>Veronica arvensis</i>	Wall Speedwell	J
<i>Veronica beccabunga</i>	Brooklime	KB B K W
<i>Veronica chamaedrys</i>	Germander Speedwell	KB B J K W R
<i>Veronica filiformis</i>	Slender Speedwell	KB J
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	B J KB
<i>Veronica urticifolia</i>	Nettle-leaved Speedwell	W S
<b>Polygalaceae</b>	<b>Milkwort Family</b>	
<i>Polygala alpestris</i>	Mountain Milkwort	J K W R
<i>Polygala alpina</i>	Chalk Milkwort	R
<i>Polygala amara</i>	Bitter Milkwort	KB J
<i>Polygala chamaebuxus</i>	Shrubby Milkwort	KB J EN
<i>Polygala vulgaris</i>	Common Milkwort	KB
<b>Polygonaceae</b>	<b>Knotweed Family</b>	
<i>Fallopia japonica</i>	Japanese Knotweed	B S J
<i>Persicaria alpinum</i>	Alpine Bistort	KB W J
<i>Persicaria bistorta</i>	Bistort	Roadsides B K
<i>Rumex acetosa</i>	Sorrel	S
<i>Rumex alpina</i>	Monk's Rhubarb	J EN
<i>Rumex scutatus</i>	French Sorrel	K W
<b>Primulaceae</b>	<b>Primrose Family</b>	
<i>Androsace chamaejasme</i>	Ciliate Rock-jasmine	W J
<i>Cyclamen purpureascens</i>	A Sowbread	B K



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<i>Lysimachia nemorum</i>	Yellow Pimpernel	B KB K W J
<i>Lysimachia nummularia</i>	Creeping Jenny	B S
<i>Primula auricula</i>	Bear's-ear	W EN J
<i>Primula elatior</i>	Oxlip	J EN K
<i>Primula farinosa</i>	Bird's-eye Primrose	KB J K W
<i>Soldanella alpina</i>	Alpine Snowbell	J EN R
<b>Ranunculaceae</b>	<b>Buttercup Family</b>	
<i>Aconitum vulparia</i>	Wolf's-bane	K KB W J
<i>Anemone (Pulsatilla) alpina</i>	Alpine Pasqueflower	J EN
<i>Anemone narcissiflora</i>	Narcissus-flowered Anemone	EN
<i>Anemone nemorosa</i>	Wood Anemone	B K KB J S EN
<i>Aquilegia atrata</i>	Dark-flowered Columbine	T KB J K W
<i>Aquilegia vulgaris</i>	Columbine	B KB W
<i>Caltha palustris</i>	Kingcups	K KB J
<i>Clematis alpina</i>	Alpine Clematis	KB J W
<i>Clematis vitalba</i>	Traveller's Joy	KB
<i>Ficaria verna</i> agg.	Lesser Celandine	J R KB
<i>Helleborus niger</i>	Christmas Rose	K J W
<i>Hepatica nobilis</i>	Hepatica	K B KB J S W
<i>Ranunculus aconitifolius</i>	Aconite-leaved Buttercup	KB
<i>Ranunculus acris</i>	Meadow Buttercup	B K KB J
<i>Ranunculus alpestris</i>	Alpine Buttercup	J EN KB
<i>Ranunculus hybrida</i>	Hybrid Buttercup	J
<i>Ranunculus lanuginosus</i>	Woolly Buttercup	J
<i>Ranunculus montanus</i>	Mountain Buttercup	KB J EN
<i>Thalictrum aquilegifolium</i>	Great Meadow-rue	KB J W
<i>Trollius europaeus</i>	Globeflower	J EN
<b>Rhamnaceae</b>	<b>Buckthorn Family</b>	
<i>Frangula alnus</i>	Alder Buckthorn	KB B J W
<b>Rosaceae</b>	<b>Rose Family</b>	
<i>Alchemilla alpina</i>	Alpine Lady's-mantle	EN
<i>Alchemilla hoppeana</i> agg.	Hoppe's Lady's-mantle	W
<i>Alchemilla glabra</i>	Smooth Lady's-mantle	K KB W R
<i>Alchemilla glaucescens</i>	Small Lady's-mantle	J
<i>Alchemilla mollis</i>	Soft Lady's-mantle	B S
<i>Amelanchier ovalis</i>	Amelanchier	KB
<i>Aruncus dioicus</i>	Goat's-beard Spirea	K KB S W
<i>Crataegus monogyna</i>	Hawthorn	KB B W K
<i>Dryas octopetala</i>	Mountain Avens	KB K W J
<i>Duchesnea indica</i>	Yellow-flowered Strawberry	S
<i>Filipendula ulmaria</i>	Meadowsweet	B K
<i>Fragaria vesca</i>	Wild Strawberry	B KB J K W
<i>Geum rivale</i>	Water Avens	B KB J S W
<i>Geum urbanum</i>	Wood Avens or Herb Bennett	B K KB S W
<i>Potentilla anserina</i>	Silverweed	K B KB
<i>Potentilla erecta</i>	Tormentil	B KB J K W R
<i>Rosa canina</i> agg.	Common Dog Rose	B S W
<i>Rosa pendulina</i>	Alpine Rose	KB J W

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<i>Rosa pimpinellifolia</i>	Burnet Rose	B
<i>Rubus caesius</i>	Dewberry	B
<i>Rubus fruticosus</i> agg	Bramble	KB S K
<i>Rubus idaeus</i>	Raspberry	KB K J W
<i>Sanguisorba minor</i> agg	Salad Burnet	B J W
<i>Sanguisorba officinalis</i>	Greater Burnet	B W
<i>Sorbus aria</i> agg	Whitebeam	K KB J W
<i>Sorbus aucuparia</i>	Rowan	K B KB J W
<b>Rubiaceae</b>	<b>Bedstraw Family</b>	
<i>Cruciata laevipes</i>	Crosswort	B KB J K W
<i>Galium aristatum</i>	Swiss Bedstraw	R J W
<i>Galium mollugo</i>	Hedge Bedstraw	B K J W
<i>Galium odoratum</i>	Woodruff	KB J EN
<i>Galium sylvaticum</i>	Wood Bedstraw	KB S
<b>Salicaceae</b>	<b>Poplar &amp; Willow Family</b>	
<i>Salix cinerea</i>	Grey Willow	KB W
<i>Salix elaeagnos</i>	Lavender-leaved Willow	K KB W
<i>Salix herbacea</i>	Dwarf Willow	J EN
<b>Santalaceae</b>	<b>Sandalwood Family</b>	
<i>Thesium alpinum</i>	Alpine Bastard Toadflax	K KB J
<i>Viscum album</i>	Mistletoe	B S
<b>Sapindaceae (Aceraceae)</b>	<b>Maple Family</b>	
<i>Acer campestre</i>	Field Maple	J S
<i>Acer platanoides</i>	Norway Maple	KB B
<i>Acer pseudoplatanus</i>	Sycamore	K KB J B W
<i>Aesculus hippocastrium</i>	Horse Chestnut	K KB B W
<b>Saxifragaceae</b>	<b>Saxifrage Family</b>	
<i>Chrysosplenium alternifolium</i>	Alternate-leaved Golden Saxifrage	K KB W EN
<i>Saxifraga rotundifolia</i>	Round-leaved saxifrage	KB J W EN
<b>Solanaceae</b>	<b>Nightshade Family</b>	
<i>Atropa belladonna</i>	Deadly Nightshade	B KB J
<i>Solanum dulcamara</i>	Bittersweet	S
<b>Thymelaeaceae</b>	<b>Mezereon Family</b>	
<i>Daphne mezereum</i>	Mezereon	B KB K W J
<b>Ulmaceae</b>	<b>Elm Family</b>	
<i>Ulmus glabra</i>	Wych Elm	B K KB J S W
<b>Urticaceae</b>	<b>Nettle Family</b>	
<i>Urtica dioica</i>	Common Nettle	B J K S
<b>Violaceae</b>	<b>Violet Family</b>	
<i>Viola biflora</i>	Yellow Wood Violet	KB J W

Scientific name	Common name	Location
B – Bischofswiesen; KB – Klausbachtal; J - Jenner; S – Salzburg; K – Königssee; W – Wimbachtal; EN - Eagle's Nest; R – Rossfeld		
<i>Viola reichenbachiana</i>	Early Dog Violet	KB R
<i>Viola riviniana</i>	Common Dog Violet	KB B
<b>Monocots</b>	<b>Monocotyledons</b>	
<b>Amaryllidaceae</b>	<b>Daffodil Family</b>	
<i>Allium ursinum</i>	Ramsons	S
<b>Asparagaceae</b>	<b>Asparagus Family</b>	
<i>Convallaria majalis</i>	Lily-of-the-valley	KB K J
<i>Maianthemum bifolium</i>	May Lily	B K KB J W
<i>Polygonatum multiflorum</i>	Solomon's-seal	KB B S W
<i>Polygonatum odoratum</i>	Angular Solomon's-seal	KB J K W
<i>Polygonatum verticillatum</i>	Whorled Solomon's Seal	B KB J W
<b>Cyperaceae</b>	<b>Sedge Family</b>	
<i>Carex caryophylla</i>	Spring Sedge	KB J
<i>Carex davalliana</i>	Davall's Sedge	KB
<i>Carex capillaris</i>	Hair Sedge	K
<i>Carex flacca</i>	Glaucous Sedge	B K KB J W
<i>Carex nigra</i>	Common Sedge	B
<i>Carex ornithopoda</i>	Bird's-foot Sedge	KB W
<i>Carex pallescens</i>	Pale Sedge	KB
<i>Carex ovalis</i>	Oval Sedge	B
<i>Carex panicea</i>	Carnation Sedge	KB
<i>Carex paniculata</i>	Great Tussock Sedge	B K W
<i>Carex pendula</i>	Pendulous Sedge	S
<i>Carex sylvatica</i>	Wood Sedge	B K J
<i>Carex viridula</i> subsp. <i>oedocarpa</i>	Yellow Sedge	K W
<i>Eriophorum latifolium</i>	Common Cotton-grass	K J
<b>Iridaceae</b>	<b>Iris Family</b>	
<i>Iris pseudacorus</i>	Yellow Flag	K
<b>Juncaceae</b>	<b>Rush Family</b>	
<i>Juncus effusus</i>	Soft Rush	B K
<i>Juncus inflexus</i>	Hard Rush	K W
<i>Luzula alpinopilosa</i>	Alpine Wood-rush	K
<i>Luzula luzuloides</i>	White Wood-rush	S
<i>Luzula sylvatica</i>	Great Wood-rush	R
<b>Liliaceae</b>	<b>Lily Family</b>	
<i>Gagea lutea</i>	Yellow Star-of-Bethlehem	J R
<i>Lilium martagon</i>	Martagon Lily	J S W
<b>Melanthiaceae</b>	<b>Herb-Paris Family</b>	
<i>Paris quadrifolia</i>	Herb-Paris	S B KB J K W
<i>Veratrum album</i>	White False-helleborine	KB J K EN
<b>Orchidaceae</b>	<b>Orchid Family</b>	
<i>Cephalanthera longifolia</i>	Sword-leaved Helleborine	B KB J K W
<i>Corallorhiza trifida</i>	Coral-root Orchid	W

## Scientific name

## Common name

## Location

B – Bischofswiesen; KB – Klausbachtal; J – Jenner; S – Salzburg; K – Königssee;  
W – Wimbachtal; EN – Eagle's Nest; R – Rossfeld

<i>Cypripedium calceolus</i>	Lady's Slipper Orchid	KB K
<i>Dactylorhiza fuchsii</i>	Common Spotted Orchid	KB J K W R
<i>Dactylorhiza incarnata</i> agg.	Early Marsh Orchid	KB K W J
<i>Dactylorhiza (Coeloglossum) viridis</i>	Frog Orchid	KB W
<i>Gymnadenia conopsea</i> agg.	Fragrant Orchid	K W
<i>Neottia nidus-avis</i>	Bird's-nest Orchid	KB J K W
<i>Neottia ovata</i>	Twayblade	KB J K W
<i>Ophrys insectifera</i>	Fly Orchid	KB K W
<i>Orchis mascula</i> subsp. <i>speciosa</i> ( <i>O. ovalis</i> )	an Early Purple Orchid	B KB J R W
<i>Platanthera bifolia</i>	Lesser Butterfly Orchid	K W

## Poaceae

## Grass Family

<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	B S
<i>Arrhenatherum elatius</i>	False Oat	J W S
<i>Briza media</i>	Quaking Grass	KB B J W
<i>Cynosurus cristatus</i>	Crested Dog's-tail	KB W J S
<i>Dactylis glomerata</i>	Cock's-foot	KB B J S
<i>Glyceria notata</i>	Plicate Sweet-grass	KB W
<i>Lolium perenne</i>	Perennial Rye-grass	S
<i>Melica nutans</i>	Mountain Melick	B KB J W
<i>Poa alpina</i> var. <i>vivipara</i>	-	J KB
<i>Poa trivialis</i>	Rough Meadow-grass	S
<i>Sesleria caerulea</i>	Blue Moor-grass	KB B W EN J

## Tofieldiaceae

## False Asphodel Family

<i>Tofieldia calyculata</i>	Tofield's Asphodel	B KB K W J
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## Birds (H = Heard only)

		May – June 2023							
Common name	Scientific name	29	30	31	1	2	3	4	5
Mallard	<i>Anas platyrhynchos</i>			✓			✓		
Tufted Duck	<i>Aythya fuligula</i>			✓					
Goosander	<i>Mergus merganser</i>			✓					
Grey Heron	<i>Ardea purpurea</i>	✓		✓					
Alpine Swift	<i>Tachymarptis melba</i>		✓						
Common Swift	<i>Apus apus</i>						✓		
Common Cuckoo	<i>Cuculus canorus</i>					H			
Rock (Feral) Dove	<i>Columba livia</i> (Feral)						✓		
Common Wood Pigeon	<i>Columba palumbus</i>			✓		✓	✓		
Eurasian Coot	<i>Fulica atra</i>			✓					
Great Crested Grebe	<i>Podiceps cristatus</i>			✓					
Golden Eagle	<i>Aquila chrysaetos</i>		✓						
Common Buzzard	<i>Buteo buteo</i>	✓	✓	✓	✓	✓	✓	✓	
Great Spotted Woodpecker	<i>Dendrocopos major</i>	H	✓	✓	✓	H			
European Green Woodpecker	<i>Picus viridis</i>		H	H				✓	
Black Woodpecker	<i>Dryocopus martius</i>			H	H	H		✓	
Red Kite	<i>Milvus milvus</i>	✓							

Common name	Scientific name	May – June 2023							
		29	30	31	1	2	3	4	5
Common Kestrel	<i>Falco tinnunculus</i>				✓		✓		
Alpine Chough	<i>Pyrrhocorax graculus</i>				✓				
Rook	<i>Coloeus frugilegus</i>			✓					
Carrion Crow	<i>Corvus corone</i>	✓	✓	✓	✓	✓	✓	✓	
Northern Raven	<i>Corvus corax</i>			✓		✓		✓	
Spotted Nutcracker	<i>Nucifraga caryocatactes</i>							✓	
Coal Tit	<i>Parus ater</i>			✓	✓	✓			
European Crested Tit	<i>Lophophanes cristatus</i>					✓			
Eurasian Blue Tit	<i>Cyanistes caeruleus</i>		✓						
Marsh Tit	<i>Poecile palustris</i>		✓	H					
Great Tit	<i>Parus major</i>		✓	✓	✓			✓	
Barn Swallow	<i>Hirundo rustica</i>		✓	✓				✓	
Common House Martin	<i>Delichon urbicum</i>			✓					
Common Chiffchaff	<i>Phylloscopus collybita</i>	✓	✓	✓	H	H		H	
Willow Warbler	<i>Phylloscopus trochilus</i>				✓	✓			
Western Bonelli's Warbler	<i>Phylloscopus bonelli</i>		H	✓	H	H			
Eurasian Blackcap	<i>Sylvia atricapilla</i>		✓	✓	✓	✓	✓	✓	
Common Firecrest	<i>Regulus ignicapilla</i>		H	✓	H	✓			
Goldcrest	<i>Regulus regulus</i>		H	H		H			
Eurasian Wren	<i>Troglodytes troglodytes</i>		H	H	✓				
Eurasian Treecreeper	<i>Certhia familiaris</i>			H					
Nuthatch	<i>Sitta europaea</i>								H
Ring Ouzel	<i>Turdus torquatus</i>				✓	✓			
Common Blackbird	<i>Turdus merula</i>	✓	✓	✓	✓	✓	✓	✓	
Song Thrush	<i>Turdus philomelos</i>	H		✓					
Mistle Thrush	<i>Turdus viscivorus</i>			H	✓	✓		✓	
European Robin	<i>Erithacus rubecula</i>			✓	H				
Red-breasted Flycatcher	<i>Ficedula parva</i>			✓					
Black Redstart	<i>Phoenicurus ochrurus</i>		✓	✓	✓	✓	✓	✓	
White-throated Dipper	<i>Cinclus cinclus</i>		✓					✓	
House Sparrow	<i>Passer domesticus</i>		✓	✓		H	✓		
Grey Wagtail	<i>Motacilla cinerea</i>		✓	✓				✓	
White Wagtail	<i>Motacilla alba</i>		✓	✓	✓	✓	✓		
Meadow Pipit	<i>Anthus pratensis</i>				✓				
Tree Pipit	<i>Anthus trivialis</i>				✓	✓			
Common Chaffinch	<i>Fringilla coelebs</i>		✓	✓	✓	✓	✓	✓	
Red Crossbill	<i>Loxia curvirostra</i>				✓	✓			
European Goldfinch	<i>Carduelis carduelis</i>				✓	✓	✓		
Eurasian Siskin	<i>Spinus spinus</i>					✓			
Yellowhammer	<i>Emberiza calandra</i>					H			

## Mammals

Common name	Scientific name	May – June 2023							
		29	30	31	1	2	3	4	5
Roe Deer	<i>Capreolus capreolus</i>			✓					
Alpine Ibex (Captive)	<i>Capra ibex</i>						✓		
Chamois	<i>Rupicapra rupicapra</i>				✓	✓			
Red Squirrel	<i>Sciurus vulgaris</i>			✓				✓	
Alpine Marmot	<i>Marmota marmota</i>					✓			
Mountain Hare	<i>Lepus timidus varronis</i>		✓					✓	✓

## Reptiles

Common name	Scientific name	May – June 2023							
		29	30	31	1	2	3	4	5
Sand Lizard	<i>Lacerta agilis</i>				✓				
Adder	<i>Vipera berus</i>							✓	

## Invertebrates

Common name	Scientific name	May – June 2023							
		29	30	31	1	2	3	4	5
Swallowtail	<i>Papilio machaon</i>		✓	✓				✓	
Dark-veined (Mountain G-v.) White	<i>Pieris bryoniae</i>		✓	✓		✓		✓	
Green-veined White	<i>Pieris napi</i>						✓		
Orange Tip	<i>Anthocharis cardamines</i>		✓	✓		✓			
Brimstone	<i>Gonepteryx rhamni</i>		✓	✓		✓		✓	
Wood White	<i>Leptidea sinapis</i>		✓	✓		✓			
Little Blue	<i>Cupido minimus</i>		✓	✓		✓		✓	
Common Blue	<i>Polyommatus icarus</i>			✓					
Green Hairstreak	<i>Callophrys rubi</i>			✓		✓		✓	
Duke of Burgundy	<i>Hamearis lucin</i>		✓	✓					
Camberwell Beauty	<i>Nymphalis antipoa</i>		✓	✓				✓	
Peacock	<i>Inachis io</i>			✓					
Painted Lady	<i>Vanessa cardui</i>		✓			✓			
Small Tortoiseshell	<i>Aglaia urticae</i>		✓	✓	✓	✓	✓		
Pearl-bordered Fritillary	<i>Boloria euphrosyne</i>		✓			✓			
False Heath Fritillary	<i>Melitaea diamina</i>			✓	✓			✓	
Small Heath	<i>Coenonympha pamphilus</i>		✓	✓	✓				
Speckled Wood	<i>Pararge aegeria</i>		✓	✓					
Grizzled Skipper	<i>Pyrgus malvae</i>		✓	✓				✓	
Dingy Skipper	<i>Erynnis tages</i>		✓	✓			✓	✓	
Chequered Skipper	<i>Carterocephalus palaemon</i>		✓	✓			✓	✓	
Map	<i>Araschnia levana</i>		✓	✓					

Moths									
Speckled Yellow	<i>Pseudopanthera maculata</i>					✓		✓	
Humming-bird Hawk-moth	<i>Macroglossum stellatarum</i>						✓		
Cinnabar Moth	<i>Tyria jacobaeae</i>			✓				✓	
Common Heath	<i>Ematurga atomaria atomaria</i>					✓		✓	
Ribbon Tawny Psodes	<i>Psodos quadrifaria</i>					✓			

Common name	Scientific name	May – June 2023							
		29	30	31	1	2	3	4	5
Scarlet Tiger	<i>Callimorpha dominula</i>		✓						
Straw-barred Pearl	<i>Pyrausta despicata</i>					✓			

Other invertebrates									
Southern Wood Ant	<i>Formica rufa</i>		✓	✓	✓	✓		✓	
Large Red Damselfly	<i>Pyrrhosoma nymphula</i>			✓					
Beautiful Demoiselle	<i>Calopteryx virgo</i>						✓		
Golden-ringed Dragonfly	<i>Cordulegaster boltonii</i>							✓	
Field Cricket	<i>Gryllus campestris</i>		H	H	H	H	H	H	
Red and Black Frog-hopper	<i>Cercopis vulnerata</i>		✓	✓					
Green Tiger Beetle	<i>Cicindela campestris</i>					✓			
Black-spotted Long-horn Beetle	<i>Rutpela maculata</i>				✓				
Rustic Soldier Beetle	<i>Cantharis rustica</i>				✓				
Alpine Leaf Beetle	<i>Oreina gloriosa</i>					✓			
Mountain Leaf Beetle	<i>Oreina sp</i>					✓			
Hairy Shield Bug	<i>Dolycoris baccarum</i>				✓				
False Ladybird	<i>Endomychus coccineus</i>					✓			
European Rose-chafer	<i>Cetonia aurata</i>				✓				
European Paper Wasp	<i>Vespa dominula</i>							✓	
Common Wasp	<i>Vespula vulgaris</i>								✓

## Others

Common name	Scientific name	May – June 2023							
		29	30	31	1	2	3	4	5
Roman Snail	<i>Helix pomatia</i>		✓	✓					
Grove Snail	<i>Cepaea nemoralis</i>		✓						

Pike	<i>Esox lucius</i>			✓					
European Minnow	<i>Phoxinus phoxinus</i>			✓					
Sturgeon (captive)	<i>Acipenser sp.</i>						✓		

Dryad's Saddle	<i>Cerioporus squamosus</i>		✓						
Hoof Fungus	<i>Fomes fomentarius</i>		✓						

Lungwort Lichen	<i>Lobaria pulmonaria</i>		✓						
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Wolf's Milk	<i>Lycogala epidendrum</i>		✓						
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Woolly Hair Moss	<i>Racomitrium laginosum</i>							✓	
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