

# **WILDLIFE TRAVEL**

## **Bavaria 2010**



**Spring Gentian, Wankberg**

## Bavarian Alps species lists and trip report, 2<sup>nd</sup>-10<sup>th</sup> June 2010

#	DATE	LOCATIONS & NOTES
1	2 <sup>nd</sup> June	Eurostar from London to Paris. Night train to Munich
2	3 <sup>rd</sup> June	Munich to Mittenwald, via Austria...
3	4 <sup>th</sup> June	Lautersee & Mittenwald
4	5 <sup>th</sup> June	Zugspitze & Eibsee
5	6 <sup>th</sup> June	Murnauer Moos
6	7 <sup>th</sup> June	Oberammagau & Pulver Moos
7	8 <sup>th</sup> June	Karwendel & Mittenwald
8	9 <sup>th</sup> June	Wankberg
9	10 <sup>th</sup> June	Return to UK

### **LIST OF TRAVELLERS**

#### **Leaders**

Philip Precey: Cambridge

Charlie Moores: Wiltshire

## Bavarian Alps species lists and trip report, 2<sup>nd</sup>-10<sup>th</sup> June 2010

Having left a lovely, sunny Parisian evening, we woke to find Munich grey and wet... our timing, at the end of a month of continual heavy rain, certainly didn't appear to be the best, especially considering the flood waters had just closed over the road and railway line at Ohlstadt, cutting off our direct route to Mittenwald and necessitating a 5 hour (!!!) detour via Austria...

However, in the end the weather was on our side. The wet spring may have delayed the flowers by a week or two, but it had also set back the cutting of the meadows, which were looking magnificent all through the valleys, and the heat wave that greeted us over the next few days dried everything out and encouraged the butterflies to appear.

**4<sup>th</sup> June: Mittenwald** Our first full day in the Alps was a relaxed one, exploring the woods and grasslands around Lautersee, just to the north of the town. Here we had our first introduction to some of the common plants of the area, plants that would be very special back home: Spiked Rampion, Bird's-nest Orchid, May Lily, Whorled Solomon's Seal and Sword-leaved Helleborine were all in the woods, and were all plants we would become very familiar with over the week. Highlights, that we weren't to find anywhere else, included Nodding Wintergreen and Leafy Lousewort.

A Honey Buzzard overhead was followed by the more familiar Common Buzzard, while Western Bonelli's Warblers sang in the trees, doing their best to stay hidden. Once the sun came out from the clouds, the butterflies woke up, and included Chequered Skipper, Duke of Burgundy and Wood White, three species with increasingly restricted ranges back home.

**5<sup>th</sup> June: Zugspitze & Eibsee** With the weather still looking somewhat unpredictable, it seemed wise to take advantage of the clear skies and head up to Germany's highest peak, the Zugspitze: in retrospect, we needn't have worried! It being the first sunny weekend in about 6 weeks, it seemed that half of Bavaria had had the same idea! At the top, the views stretched for at least 200km and took in four countries, as well as some very friendly Alpine Chough! Pretty amazing stuff...

We came down from the mountain on the cog railway, and then took a walk around the Eibsee. Unfortunately the combination of the increasing temperature and the popularity of the lake on such a sunny day meant the woods were much quieter than hoped, and the late season also meant many of the expected flowers weren't yet out. A gorgeous male Sand Lizard was nice to see, but a pretty small reward for our walk...

**6<sup>th</sup> June: Murnauer Moos** The weather forecast would still have us believe that rain was on its way, so we decided to take advantage of the sunshine and visit the fen and mire at Murnauer Moos, where we hoped for some of the special butterflies of the area, the largest surviving valley mire in central Europe no less!

The walk down through the town from the train station found us our first Icterine Warbler of the trip, singing from the top of a small tree and showing very well. On arrival at the moor, we first explored an area of small trees and bushes, where we eventually tracked down the wolf-whistling song of the Common Rosefinch. This bright red finch is one of the real specialities of this site, and was watched singing from the top of a birch tree, with the less showy, drab grey female slipping into the bushes beneath. Nearby we also found Siberian Iris and the first of a bewildering variety of Dactylorhiza marsh orchids...

Back on the main path, a large black and white woodpecker with a pale red vent and streaky belly flew over head... a White-backed Woodpecker! A little further on, our attention was drawn to a

## Bavarian Alps species lists and trip report, 2<sup>nd</sup>-10<sup>th</sup> June 2010

very noisy family of woodpecker chicks calling from a hole in a small path-side tree... we waited... and waited... and waited for the adult to return and feed the chicks! And it's lucky we did, because nearby a soft tapping could be heard in the trees... not the expected Great Tit, but another adult White-backed Woodpecker feeding quietly, ridiculously low down and close to the path! (the noisy chicks turned out to be Great Spotted Woodpeckers...) Probably the hardest of all European woodpeckers to find, the Moos is known to offer some of the best opportunities for seeing White-backed Woodpecker in the area, but we were still very lucky to get the two brief glimpses that we did!

Butterflies were rather few and far between: the poor spring has probably delayed the emergence of some of the real specialities, and we had to make do with Chequered Skipper, Marsh Fritillary, Heath Fritillary and Swallowtail, still good to see. Several Whinchats were found in the shorter fenland areas, with the males singing from the top of thistles. Nearby, a tree-top flycatching male Red-backed Shrike was quite a surprise! At least four Hobby were also seen over the Moos, flying high and catching insects.

The path finally branched off northwards, and into the shade of the trees on the Lange Filze hill. In the middle of this wood is a tiny remnant area of raised bog, complete with sphagnum, Round-leaved Sundew, Bog Rosemary, the tiny Cranberry and both Bilberry and Bog Bilberry. At least two Common Lizards were sunning themselves on the path, running out of the way as we came.

A long day ended with us catching the train back to Murnau, and then back to Mittenwald.

**7<sup>th</sup> June: Oberammagau and Pulver Moos** Today was our 'culture' day, with the morning spent in the picturesque town of Oberammagau. The 'crush of humanity' attracted to the famous 'passion plays' didn't quite materialise, although luckily the hot chocolate and apfelstrudel did... After our fill of wooden carvings, Christmas decorations, painted buildings and Passion Play kitsch, we made our way out of the town for a walk alongside the River Ammer, past the nature reserve at Pulver Moos. The habitat here is similar to that at Murnauer Moos, but on a much smaller scale. The ditches seemed to be full of singing Marsh Warblers, while the trees were home to Garden Warbler, Blackcap, Spotted Flycatcher and Fieldfare. Plants included Siberian Iris and a similarly bewildering array of orchid to Murnauer, together with the real speciality of the site, the Moor King, a large lousewort found in Scandinavia and a few sites in southern Germany. Butterflies included Marsh Fritillary and a beautiful male Mazarine Blue feeding on salts on the path.

**8<sup>th</sup> June: Karwendel** The day dawned clear and bright, and we made our way across town to catch the first Karwendelbahn cable car of the day. At the top we found an amazing landscape of snow, rock, scree and short turf peppered with colourful alpine flowers. Indeed, the turf was pretty much made up just of alpine flowers! *Primula auricula*, *P. minima*, Bavarian Gentian and Alpine Buttercup in the short turf, Alpine Snowbell on the edge of the snow melt and patches of Purple Saxifrage and Yellow Whitlow Grass around the rocks all kept us entertained, and our trigger fingers busy! When we could be dragged away from the flowers, we did manage to track down most of the special birds of the mountain tops. Single male Snowfinch and Alpine Accentor were song flying overhead, showing well but distantly. Certainly not distant were the Alpine Chough that came pestering us for scraps: today's lesson learned is that Alpine Chough like bread, but turn their noses up at cucumber! Perhaps the highlight of the mountain tops, though, were the pair of Ptarmigan that put on a fantastic show, shuffling around on the edge of the snow, the male keeping watch over his golden-spangled female, the pair quietly clucking away to each other, before flying over the snowy bowl.



## Bavarian Alps species lists and trip report, 2<sup>nd</sup>-10<sup>th</sup> June 2010

**9<sup>th</sup> June: Wankberg** Another clear and bright day, and time for the longest walk of the trip... We started with the train to Garmisch Partenkirchen, followed by a walk through the town to the Wankbahn, from where the small cable car took us slowly up to the alpine meadows at the top of the unfortunately named Wank mountain. The turf here was full of Mountain Avens, Mountain and Alpine Buttercups and Spring and Trumpet Gentians.

After the obligatory stop for cake and hot chocolate, we began our descent. During the day we passed through high alpine meadows, pine forest, the lovely meadows around Esterberg where we had our lunch, the mixed woodlands along the flanks of the Rosswank and the valley meadows from Gschwandtner Bauer (where we had a very welcome cold drink!) back into Partenkirchen. We passed many of the plants and butterflies that we'd come to be familiar with over the week, as well as some new ones: the dirty grey Mountain Green-veined White and dark brown Northern Wall butterflies, Alpine Butterwort high up, Dark Columbine through the deciduous woods, Nottingham Catchfly and the delicately clove-scented Bedstraw Broomrape down near Gschwandtner Bauer and the bizarre Asarabacca in the roadside woods on the outskirts of Partenkirchen.

Our final evening meal was at the Alpenrose Hotel for a change, and succeeded in reinforcing just how good the food was at our own hotel! (although strawberries and ice cream go down well every time...)

A very early start the next morning saw most of the group on the 6.33 train to Munich, with timely connections all the way through back to London, just to prove that sometimes trains can be on time!



**Mittenwald, as seen from the top of the Karwendel**

## Bavarian Alps species lists and trip report, 2<sup>nd</sup>-10<sup>th</sup> June 2010

	ENGLISH NAME	LATIN NAME	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>
<b>Family Podicipedidae (Grebes)</b>									
	Great Crested Grebe	<i>Podiceps cristatus</i>		X					
<b>Family Ardeidae (Hérons)</b>									
	Grey Heron	<i>Ardea cinerea</i>			X	X	X		
<b>Family Anatidae (Ducks, Geese and Swans)</b>									
	Mute Swan	<i>Cygnus olor</i>	X						
	Mallard	<i>Anas platyrhynchos</i>		X	X	X	X		
	Goosander	<i>Mergus merganser</i>						X	X
<b>Family Accipitridae (Hawks, Eagles and Vultures)</b>									
	Red Kite	<i>Milvus milvus</i>	X				X		
	Black Kite	<i>Milvus migrans</i>	X				X		
	Common Buzzard	<i>Buteo buteo</i>	X	X		X	X		X
	Honey Buzzard	<i>Pernis apivorus</i>		X					
<b>Family Falconidae (Falcons)</b>									
	Kestrel	<i>Falco tinnunculus</i>	X				X		X
	Hobby	<i>Falco subbuteo</i>				X			
<b>Family Phasianidae (Pheasants and Partridges)</b>									
	Ptarmigan	<i>Lagopus mutus</i>						X	
<b>Family Rallidae (Rails and Crakes)</b>									
	Coot	<i>Fulica atra</i>				X			
<b>Family Columbidae (Pigeons and Doves)</b>									
	Rock Dove/Feral Pigeon	<i>Columba livia</i>		X			X		X
	Woodpigeon	<i>Columba palumbus</i>		X		X	X	X	X
	Collared Dove	<i>Streptopelia decaocto</i>				X			
<b>Family Cuculidae (Cuckoos)</b>									
	Cuckoo	<i>Cuculus canorus</i>				X			
<b>Family Apodidae (Swifts)</b>									
	Swift	<i>Apus apus</i>		X		X	X	X	X
<b>Family Picidae (Woodpeckers)</b>									
	Great Spotted Woodpecker	<i>Dendrocopos major</i>		H	H	X			X
	White-backed Woodpecker	<i>Dendrocopos leucotos</i>				X			
<b>Family Hirundinidae (Swallows and Martins)</b>									
	Swallow	<i>Hirundo rustica</i>		X	X	X	X	X	X
	House Martin	<i>Delichon urbica</i>		X	X	X	X	X	X
<b>Family Motacillidae (Wagtails and Pipits)</b>									
	Tree Pipit	<i>Anthus trivialis</i>				X			
	Water Pipit	<i>Anthus spinoletta</i>						X	
	White Wagtail	<i>Motacilla (alba) alba</i>		X	X	X	X	X	X
	Grey Wagtail	<i>Motacilla cinerea</i>						X	
<b>Family Troglodytidae (Wrens)</b>									
	Wren	<i>Troglodytes troglodytes</i>		X					X
<b>Family Cinclidae (Dippers)</b>									
	Dipper	<i>Cinclus cinclus</i>						X	
<b>Family Prunellidae (Accentors)</b>									
	Alpine Accentor							X	
<b>Family Turdidae (Thrushes and Chats)</b>									
	Robin	<i>Erithacus rubecula</i>		X					X
	Black Redstart	<i>Phoenicurus ochruros</i>		X		X	X	X	X
	Whinchat	<i>Saxicola rubetra</i>				X	X		
	Song Thrush	<i>Turdus philomelos</i>				X	X		X
	Fieldfare	<i>Turdus pilaris</i>	X			X	X		X
	Blackbird	<i>Turdus merula</i>		X		X	X	X	X
	Ring Ouzel	<i>Turdus torquatus alpestris</i>							X

## Bavarian Alps species lists and trip report, 2<sup>nd</sup>-10<sup>th</sup> June 2010

ENGLISH NAME	LATIN NAME	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>
<b>Family Sylviidae (Warblers)</b>								
Garden Warbler	<i>Sylvia borin</i>				X	X		
Blackcap	<i>Sylvia atricapilla</i>		X		X	X	X	X
Marsh Warbler	<i>Acrocephalus palustris</i>				X	X		
Grasshopper Warbler	<i>Locustella naevia</i>				X			
Icterine Warbler	<i>Hippolais icterina</i>				X	X		
Western Bonelli's Warbler	<i>Phylloscopus bonelli</i>		X				X	X
Willow Warbler	<i>Phylloscopus trochilus</i>				X			
Chiffchaff	<i>Phylloscopus collybita</i>		X		X	X	X	X
Goldcrest	<i>Regulus regulus</i>		X					
<b>Family Muscipidae (Flycatchers)</b>								
Spotted Flycatcher	<i>Muscicapa striata</i>				X	X		
<b>Family Paridae ( Tits)</b>								
Great Tit	<i>Parus major</i>		X		X	X	X	X
Coal Tit	<i>Parus ater</i>		X		X		X	X
Blue Tit	<i>Parus caeruleus</i>		X		X	X	X	X
Crested Tit	<i>Parus cristatus</i>		X		X			X
<b>Family Aegithalidae (Long-tailed Tits)</b>								
Long-tailed Tit	<i>Aegithalos caudatus</i>				X			X
<b>Family Sittidae (Nuthatches)</b>								
Nuthatch	<i>Sitta europaea</i>		X		X			X
<b>Family Certhiidae (Treecreepers)</b>								
Treecreeper	<i>Certhia familiaris</i>				X			
<b>Family Laniidae (Shrikes)</b>								
Red-backed Shrike	<i>Lanius collurio</i>				X			
<b>Family Corvidae (Crows)</b>								
Magpie	<i>Pica pica</i>				X	X		X
Jay	<i>Garrulus glandarius</i>		X		X			X
Nutcracker	<i>Nucifraga caryocatactes</i>							H
Alpine Chough	<i>Pyrrhocorax graculus</i>		X	X			X	
Jackdaw	<i>Corvus monedula</i>		X		X			
Carrion Crow	<i>Corvus corone</i>		X		X	X	X	X
Raven	<i>Corvus corax</i>		X					X
<b>Family Sturnidae (Starlings)</b>								
Starling	<i>Sturnus vulgaris</i>		X		X	X	X	X
<b>Family Passeridae (Sparrows)</b>								
House Sparrow	<i>Passer domesticus</i>		X		X	X	X	X
Snowfinch	<i>Montifringilla nivalis</i>						X	
<b>Family Fringillidae (Finches)</b>								
Chaffinch	<i>Fringilla coelebs</i>		X		X	X	X	X
Goldfinch	<i>Carduelis carduelis</i>				X	X	X	X
Greenfinch	<i>Carduelis chloris</i>		X		X	X	X	X
Serín	<i>Serinus serinus</i>						X	
Bullfinch	<i>Pyrrhula pyrrhula</i>		X					X
Common Crossbill	<i>Loxia curvirostra</i>							H
Common Rosefinch	<i>Carpodacus erythrinus</i>				X	X		
<b>Family Emberizidae (Buntings)</b>								
Yellowhammer	<i>Emberiza citrinella</i>					X		



**Bavarian Alps species lists and trip report, 2<sup>nd</sup>-10<sup>th</sup> June 2010**



Mazarine Blue, Pulver Moos



Roman Snail, Pulver Moos



**Charlie gets friendly with Alpine Chough, Karwendel**



## Bavarian Alps species lists and trip report, 2<sup>nd</sup>-10<sup>th</sup> June 2010

	ENGLISH NAME	LATIN NAME	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>
<b>BUTTERFLIES</b>									
<b>Family Papilionidae (Swallowtails)</b>									
	Swallowtail	<i>Papilio machaon</i>				X			
<b>Family Pieridae (Whites)</b>									
	Large White	<i>Pieris brassicae</i>					X	X	X
	Small White	<i>Pieris rapae</i>				X		X	
	Mountain Green-veined White	<i>Pieris bryoniae</i>						X	X
	Orange Tip	<i>Anthocharis cardamines</i>		X		X	X	X	X
	Clouded Yellow	<i>Colias crocea</i>		X		X		X	
	Brimstone	<i>Gonepteryx rhamni</i>		X		X	X	X	X
	Wood White	<i>Leptidea sinapis</i>		X		X			X
<b>Family Lycaenidae (Blues, Coppers &amp; Hairstreaks)</b>									
	Green Hairstreak	<i>Callophrys rubi</i>							X
	Small Blue	<i>Cupido minimus</i>							X
	Mazarine Blue	<i>Cyaniris semiargus</i>					X		
	Common Blue	<i>Polyommatus icarus</i>				X			X
<b>Family Riodinidae (Duke of Burgundy)</b>									
	Duke of Burgundy	<i>Hamearis lucina</i>		X					
<b>Family Nymphalidae (Vanessids and Fritillaries)</b>									
	Peacock	<i>Inachis io</i>				X			
	Red Admiral	<i>Vanessa atalanta</i>				X	X		X
	Painted Lady	<i>Vanessa cardui</i>							X
	Small Tortoiseshell	<i>Aglais urticae</i>		X					X
	Pearl-bordered Fritillary	<i>Clossiana euphrosyne</i>			X				X
	Heath Fritillary	<i>Melitaea athalia</i>				X			
	Marsh Fritillary	<i>Euphydryas aurinia</i>				X	X		
<b>Family Satyridae (Browns)</b>									
	Small Heath	<i>Coenonympha pamphilus</i>				X			
	Speckled Wood	<i>Pararge aegeria</i>		X	X				X
	Northern Wall Brown	<i>Lasiommata petropolitana</i>							X
<b>Family Hesperidae (Skippers)</b>									
	Grizzled Skipper	<i>Pyrgus malvae</i>				X			X
	Dingy Skipper	<i>Erynnis tages</i>			X				X
	Chequered Skipper	<i>Carterocephalus palaemon</i>		X		X	X	X	X

<b>AMPHIBIANS</b>									
<b>Salamanders and Newts</b>									
	Alpine Salamander	<i>Salamandra atra</i>					X		
<b>Frogs and Toads</b>									
	Common Toad	<i>Bufo bufo</i>		X			X		X
	Common Frog	<i>Rana temporaria</i>				X			
	Edible Frog	<i>Rana kl. Esculenta</i>					X		
<b>REPTILES</b>									
<b>Lizards</b>									
	Sand Lizard	<i>Lacerta agilis</i>				X			
	Common Lizard	<i>Lacerta vivipara</i>		X			X		X
	Slow Worm	<i>Anguis fragilis</i>							X
<b>MAMMALS</b>									
	Red Squirrel	<i>Sciurus vulgaris</i>		X		X			
	Brown Hare	<i>Lepus europaeus</i>				X		X	
	Roe Deer	<i>Capreolus capreolus</i>	X						
	Common Vole			X					
	Wood Mouse			X					

# Bavarian Alps species lists and trip report, 2<sup>nd</sup>-10<sup>th</sup> June 2010

A selected list of some of the more interesting plant species

	ENGLISH NAME	LATIN NAME	
<b>Pinaceae</b>			
	Mountain Pine	<i>Pinus mugo</i>	The low growing pine on the upper slopes
<b>Aristolochiaceae</b>			
	Asarabacca	<i>Asarum europaeum</i>	The road-leaved plant by the road, on the way down from Wank
<b>Santalaceae</b>			
	Alpine Bastard Toadflax	<i>Thesium alpinum</i>	Lautersee & Wank
<b>Polygonaceae</b>			
	Japanese Knotweed	<i>Reynoutria japonica</i>	
	Common Bistort	<i>Polygonum bistorta</i>	Common in the meadows
	Alpine Bistort	<i>Polygonum viviparum</i>	
<b>Caryophyllaceae</b>			
	Bladder Campion	<i>Silene vulgaris</i>	
	Red Campion	<i>Silene dioica</i>	
	Nottingham Catchfly	<i>Silene nutans</i>	Gschwandtner Bauer, on the way down from Wank
	Ragged Robin	<i>Lychnis flos-cuculi</i>	Common in the meadows
	Mossy Sandwort	<i>Moehringia muscosa</i>	Leutascherklamm
<b>Ranunculaceae</b>			
	Traveller's Joy	<i>Clematis vitalba</i>	
	Alpine Clematis	<i>Clematis alpina</i>	The pale purple clematis in the woods
	Wolfsbane	<i>Aconitum vulparia</i>	Leutascherklamm
	Alpine Buttercup	<i>Ranunculus alpinus</i>	The white buttercup, Karwendel & Wank
	Aconite-leaved Buttercup	<i>Ranunculus aconitifolius</i>	The white buttercup around Oberammagau
	Mountain Buttercup	<i>Ranunculus montanus</i>	The single-flowered yellow buttercup, Wank
	Globe-flower	<i>Trollius europaeus</i>	Common in the meadows
	Marsh Marigold	<i>Caltha palustris</i>	In the woods and wet meadows
	Hepatica	<i>Hepatica nobilis</i>	Leaves only, in the woods
	Common Columbine	<i>Aquilegia vulgaris</i>	Around Garmisch (garden escape?)
	Dark Columbine	<i>Aquilegia atrata</i>	Wank
	Greater Meadow-rue	<i>Thalictrum aquilegifolium</i>	
<b>Berberidaceae</b>			
	Barberry	<i>Berberis vulgaris</i>	
<b>Papaveraceae (inc. Fumariaceae)</b>			
	Greater Celandine	<i>Chelidonium majus</i>	
<b>Brassicaceae</b>			
	Yellow Whitlow-grass	<i>Draba aizoides</i>	Karwendel
	Alpine Hutchinsia	<i>Hutchinsia alpina</i>	Karwendel
	Buckler Mustard	<i>Biscutella laevigata</i>	
	Narrow-leaved Bittercress	<i>Cardamine impatiens</i>	
	Dames' Violet	<i>Hesperis matronalis</i>	
<b>Droseraceae</b>			
	Common Sundew	<i>Drosera rotundifolia</i>	On the sphagnum bog, Murnauer Moos
<b>Saxifragaceae</b>			
	Purple Saxifrage	<i>Saxifraga oppositifolia</i>	Karwendel
<b>Rosaceae</b>			
	Snowy Mespilus	<i>Amelanchier ovalis</i>	The white-flowered shrub in the woods, Mittenwald
	Dog Rose	<i>Rosa canina agg.</i>	
	Salad Burnet	<i>Sanguisorba minor</i>	
	Great Burnet	<i>Sanguisorba officinalis</i>	
	Tormentil	<i>Potentilla erecta</i>	
	Creeping Cinquefoil	<i>Potentilla reptans</i>	
	Silverweed	<i>Potentilla anserine</i>	
	Wild Strawberry	<i>Fragaria vesca</i>	
	Lady's-mantle	<i>Alchemilla glabra</i>	

## Bavarian Alps species lists and trip report, 2<sup>nd</sup>-10<sup>th</sup> June 2010

	ENGLISH NAME	LATIN NAME	
	Alpine Lady's-mantle	<i>Alchemilla minima</i>	
	Rowan	<i>Sorbus aucuparia</i>	
	Goatsbeard Spiraea	<i>Aruncus dioica</i>	
	Water Avens	<i>Geum rivale</i>	
	Herb Bennet	<i>Geum urbanum</i>	
	Meadowsweet	<i>Filipendula ulmaria</i>	
	Mountain Avens	<i>Dryas octopetala</i>	The 8-petaled white flower at the top of Wank
<b>Fabaceae</b>			
	Bladder Senna	<i>Colutea arborescens</i>	In the woods near Mittenwald
	Dragon's Teeth	<i>Tetragonolobus maritimus</i>	On the roadside, on way down from Wank
	Mountain Clover	<i>Trifolium montanum</i>	
	White Clover	<i>Trifolium repens</i>	
	Red Clover	<i>Trifolium pratense</i>	
	Common Bird's-foot Trefoil	<i>Lotus corniculatus</i>	
	Meadow Vetchling	<i>Lathyrus pratensis</i>	
	Kidney Vetch	<i>Anthyllis vulneraria</i>	
	Crown Vetch	<i>Securigera varia</i>	
	Sainfoin	<i>Onobrychis viciifolia</i>	
<b>Oxalidaceae</b>			
	Wood Sorrel	<i>Oxalis acetosella</i>	
<b>Geraniaceae</b>			
	Wood Crane's-bill	<i>Geranium sylvaticum</i>	The common purple crane's-bill
	Dusky Crane's-bill	<i>Geranium phaeum</i>	A garden escape, Murnau
	Hedgerow Crane's-bill	<i>Geranium pyrenaicum</i>	
	Dove's-foot Crane's-bill	<i>Geranium molle</i>	
	Herb Robert	<i>Geranium robertianum</i>	
<b>Linaceae</b>			
	Fairy Flax	<i>Linum catharticum</i>	
<b>Euphorbiaceae</b>			
	Dog's Mercury	<i>Mercurialis perennis</i>	
	Marsh Spurge	<i>Euphorbia palustris</i>	
	Cypress Spurge	<i>Euphorbia cyparissias</i>	
<b>Polygalaceae</b>			
	Shrubby Milkwort	<i>Polygala chamaebuxus</i>	Common in the woods
	Common Milkwort	<i>Polygala vulgaris</i>	The pink-flowered milkwort, down from Wank
	Dwarf Milkwort	<i>Polygala amarella</i>	The bitter-tasting milkwort
<b>Celastraceae</b>			
	Spindle	<i>Euonymus europaeus</i>	
<b>Tiliaceae</b>			
	Small-leaved Lime	<i>Tilia cordata</i>	
<b>Thymelaeaceae</b>			
	Striped Daphne	<i>Daphne striata</i>	Pink-flowered low-growing shrub, Wank
<b>Violaceae</b>			
	Yellow Wood Violet	<i>Viola biflora</i>	
<b>Apiaceae (Umbelliferae)</b>			
	Great Masterwort	<i>Astrantia major</i>	
	Sanicle	<i>Sanicula europaea</i>	
	Ground Elder	<i>Aegopodium podagraria</i>	
	Wild Angelica	<i>Angelica sylvestris</i>	
	Giant Hogweed	<i>Heracleum mantegazzianum</i>	
	Wild Carrot	<i>Daucus carota</i>	
<b>Pyrolaceae</b>			
	Nodding Wintergreen	<i>Orthilia secunda</i>	Near Lautersee
	Round-leaved Wintergreen	<i>Pyrola rotundifolia</i>	Near the river, Mittenwald
	One-flowered Wintergreen	<i>Moneses uniflora</i>	Fairly common in the woods: waxy white flowers

## Bavarian Alps species lists and trip report, 2<sup>nd</sup>-10<sup>th</sup> June 2010

	ENGLISH NAME	LATIN NAME	
<b>Ericaceae</b>			
	Alpenrose	<i>Rhododendron ferrugineum</i>	Wank
	Heather	<i>Calluna vulgaris</i>	
	Cranberry	<i>Vaccinium oxycoccus</i>	Murnauer Moos, on the sphagnum bog
	Bog Bilberry	<i>Vaccinium uliginosum</i>	Murnauer Moos, on the sphagnum bog
	Bilberry	<i>Vaccinium myrtillus</i>	Murnauer Moos, on the sphagnum bog
	Bog Rosemary	<i>Andromeda polifolia</i>	Murnauer Moos, on the sphagnum bog
<b>Primulaceae</b>			
	Oxlip	<i>Primula elatior</i>	
	Bird's-eye Primrose	<i>Primula farinose</i>	
	Fairy Primrose	<i>Primula minima</i>	Karwendel
	Auricula	<i>Primula auricularis</i>	The yellow primula, Karwendel
	Alpine Snowbell	<i>Soldanella alpina</i>	Karwendel, in the snow melt
<b>Gentianaceae</b>			
	Trumpet Gentian	<i>Gentianella clusii</i>	The big gentian
	Spring Gentian	<i>Gentianella verna</i>	The small gentian on Wank, taller stems
	Bavarian Gentian	<i>Gentianella bavarica</i>	The small gentian on Karwendel, leaves overlapping
<b>Asclepiadaceae</b>			
	Swallow-wort	<i>Vincetoxicum hirundinaria</i>	Leustascherklamm
<b>Menyanthaceae</b>			
	Fringed Water-lily	<i>Nymphoides peltata</i>	Lautersee
	Bogbean	<i>Menyanthes trifoliata</i>	Lautersee
<b>Lamiaceae</b>			
	Blue Bugle	<i>Ajuga genevensis</i>	
	Bugle	<i>Ajuga reptans</i>	
	Red Dead-nettle	<i>Lamium purpureum</i>	
	White Dead-nettle	<i>Lamium album</i>	
	Yellow Archangel	<i>Lamiastrum galeobdolon</i>	
	Water Mint	<i>Mentha aquatica</i>	
	Horse Mint	<i>Mentha longifolia</i>	
	Selfheal	<i>Prunella vulgaris</i>	
	Basil Thyme	<i>Acinos arvensis</i>	On the railway, Unterammagau
	Hairy Thyme	<i>Thymus praecox</i>	
	Meadow Clary	<i>Salvia pratensis</i>	
<b>Scrophulariaceae</b>			
	Small Toadflax	<i>Chaenorhinum minus</i>	Growing along railway lines
	Germander Speedwell	<i>Veronica chamaedrys</i>	
	Nettle-leaved Speedwell	<i>Veronica utricifolia</i>	Pink flowers, Leustascherklamm
	Common Cow-wheat	<i>Melampyrum pratense</i>	
	Marsh Lousewort	<i>Pedicularis palustris</i>	
	Leafy Lousewort	<i>Pedicularis foliosa</i>	Lautersee
	Moor-king	<i>Pedicularis sceptrum-carolinum</i>	Pulver Moos
	Yellow Rattle	<i>Rhinanthus minor</i>	Common in the meadows
<b>Globulariaceae</b>			
	Leather-leaf Globularia	<i>Globularia cordifolia</i>	
<b>Orobanchaceae</b>			
	Bedstraw Broomrape	<i>Orobanche caryophyllacea</i>	Clove-scented, down from Wank
<b>Lentibulariaceae</b>			
	Alpine Butterwort	<i>Pinguicula alpina</i>	White flowers, Wank
	Common Butterwort	<i>Pinguicula vulgaris</i>	common
<b>Plantaginaceae</b>			
	Greater Plantain	<i>Plantago major</i>	
	Hoary Plantain	<i>Plantago media</i>	
	Ribwort Plantain	<i>Plantago lanceolata</i>	



## Bavarian Alps species lists and trip report, 2<sup>nd</sup>-10<sup>th</sup> June 2010

	ENGLISH NAME	LATIN NAME	
<b>Caprifoliaceae</b>			
	Honeysuckle	<i>Lonicera periclymenum</i>	
	Fly Honeysuckle	<i>Lonicera xylosteum</i>	The bushy honeysuckle
	Elder	<i>Sambucus nigra</i>	
	Alpine Elder	<i>Sambucus racemosa</i>	
	Guelder Rose	<i>Viburnum opulus</i>	
<b>Valerianaceae</b>			
	Marsh Valerian	<i>Valeriana dioicia</i>	
	Three-leaved Valerian	<i>Valeriana tripteris</i>	
	Mountain Valerian	<i>Valeriana montana</i>	
	Common Valerian	<i>Valeriana officinalis</i>	
<b>Dipsacaceae</b>			
	Small Teasel	<i>Dipsacus pilosus</i>	
	Field Scabious	<i>Knautia arvensis</i>	
<b>Campanulaceae</b>			
	Clustered Bellflower	<i>Campanula glomerata</i>	
	Harebell	<i>Campanula rotundifolia</i>	
	Spiked Rampion	<i>Phyteuma spicatum</i>	Common in the woods
	Round-headed Rampion	<i>Phyteuma orbiculare</i>	Common in the meadows
<b>Asteraceae (Compositae)</b>			
	Mountain Everlasting	<i>Antennaria dioica</i>	Pink flowers, Wank
	Melancholy Thistle	<i>Cirsium helenoides</i>	The thornless thistle, Murnauer Moos
	Purple Coltsfoot	<i>Homogyne alpina</i>	
	Greater Knapweed	<i>Centaurea scabiosa</i>	
	Brown Knapweed	<i>Centaurea jacea</i>	
	Perennial Cornflower	<i>Centaurea montana</i>	
	Goatsbeard	<i>Tragopogon pratensis</i>	
	Orange Hawkweed	<i>Hieracium aurantiacum</i>	
	Aposeris	<i>Aposeris foetida</i>	
	False Aster	<i>Aster bellidiastrum</i>	The one-flowered daisy
	Ox-eye Daisy	<i>Leucanthemum vulgare</i>	
<b>Liliaceae</b>			
	German Asphodel	<i>Tofieldia calyculata</i>	Lautersee & Wank
	White False Helleborine	<i>Veratrum album</i>	The broad leaves, Murnauer Moos
	Ramsons	<i>Allium ursinum</i>	
	Whorled Solomon's Seal	<i>Polygonatum verticillatum</i>	
	Solomon's Seal	<i>Polygonatum multiflorum</i>	
	Lily of the Valley	<i>Convallaria majalis</i>	
	May Lily	<i>Maianthemum bifolium</i>	
	Herb Paris	<i>Paris quadrifolia</i>	
<b>Iridaceae</b>			
	Siberian Iris	<i>Iris sibirica</i>	
<b>Orchidaceae</b>			
	Common Twayblade	<i>Listera ovata</i>	
	a marsh orchid	<i>Dactylorhiza ochroleuca</i>	The creamy white marsh orchid
	a marsh orchid	<i>Dactylorhiza cruenta</i>	The 'wings up' purple marsh orchid
	a marsh orchid	<i>Dactylorhiza majalis</i>	The 'wings out' purple marsh orchid
	Common Spotted Orchid	<i>Dactylorhiza fuchsii</i>	Lautersee
	Birds-nest Orchid	<i>Neottia nidus-avis</i>	Common in the woods
	Broad-leaved Helleborine	<i>Epipactis helleborine</i>	A few small plants, not yet in flower, in the woods
	Fragrant Orchid	<i>Gymnadenia conopsea</i>	Just coming into flower
	Military Orchid	<i>Orchis militaris</i>	1 spike, Murnauer Moos
	Lesser Butterfly Orchid	<i>Platanthera bifolia</i>	1 spike, Murnauer Moos
	Sword-leaved Helleborine	<i>Cephalanthera longifolia</i>	Fairly common on woodland edges

**Bavarian Alps species lists and trip report, 2<sup>nd</sup>-10<sup>th</sup> June 2010**



Leafy Lousewort, Lautersee



Siberian Iris, Murnauer Moos



Fairy Primrose, Karwendel



Trumpet Gentian, Wankberg