

Bulgaria - Flowers of the Balkans

Naturetrek Tour Report

15 - 22 June 2019



Bug Orchid



Verbascum speciosum



Hybrid Orchid (Bug x Green-winged)



On Golobardo Mountain



Haberlea rhodopensis

Report & Images by Andrew Cleave



Naturetrek

Mingledown Barn

Wolf's Lane

Chawton

Alton

Hampshire

GU34 3HJ

UK

T: +44 (0)1962 733051

E: info@naturetrek.co.uk

W: www.naturetrek.co.uk

Tour participants: Andrew Cleave (leader), Vlado Vladimirov with Vladimir Trifanov (local botanists)
With 14 Naturetrek clients

Tour summary

Our mid-summer holiday in search of the flowers of southern Bulgaria took us to some stunning botanical locations and we were able to find a huge range of plants, many of them Balkan endemics. The middle of June is a good time to visit this part of Bulgaria as the mountain roads and passes are mostly clear of snow and the alpine flora is at its best. We were able to visit some high-altitude sites, many of them above the tree-line, where we found fascinating alpine flowers growing in profusion. We enjoyed pleasant walks through forests of native firs and pines where the flora, and the birds and insects, were of great interest. Travelling through the largely unspoilt countryside gave us the chance to see the type of agriculture still practiced here. White Storks are a still-familiar sight in Bulgaria, with their large nests being seen in many of the villages. There was time to visit the extraordinary Rila Monastery, a world heritage site, and to explore some of the quiet villages and towns.

Day 1

Saturday 15th June

Our morning BA flight from Gatwick arrived in Sofia in the early afternoon where the party assembled at the airport, some having already arrived in Bulgaria from elsewhere. Vlado and our driver met us and we transferred to the comfortable modern bus. It was very hot at this point, but we had the chance to visit the Vitosha Mountain lodge by way of a winding cobbled road which rose steeply out of the city and through a dense forest. A few remaining snow patches could be seen and it was much cooler when we were well above the city. We explored the roadsides here and found some colourful species, such as the bright orange *Geum coccineum*, and the Heart-flowered Marsh Orchid (*Dactylorhiza cordigera*). A male and female Ring Ouzel were foraging for food amongst the buildings here and we also saw a Nutcracker feeding on pine cones. We spotted a few of the Wedge-lipped Orchids (*Dactylorhiza saccifera*) amongst the roadside flowers as we returned down the road. We eventually reached the Studena Lodge and checked in and then had time for a gentle stroll down the drive to look at the local flora and butterflies.

We met up later in the impressive dining room for our evening meal and Andrew and Vlado explained the plans for the next few days. The view of the distant hills was very appealing and large numbers of House Martins and Swallows were seen, many of which were nesting under the eaves of the building, were feeding over the grounds of the lodge.

Day 2

Sunday 16th June

We awoke to pleasant sunny conditions and the promise of another hot day. A pre-breakfast stroll down the drive produced a few more flowers for our list and we also noted the large numbers of Painted Lady butterflies resting everywhere – we were to see many more of these during the week.

After breakfast we took a short drive towards the Golo Bardo Mountain, its name apparently meaning “bare of trees”, passing through some small villages on the way where we enjoyed looking at their lush, richly planted gardens. This stony, open hillside has a very impressive flora and far-reaching views and we made slow progress, finding plenty of species to interest us as we climbed towards the summit. The beautiful golden sub-species of Kidney Vetch (*Anthyllis vulneraria* subsp. *aurea*) was very eye-catching, but there were plenty of other endemics

and very local species here as well. There were two endemic species of Golden Drops flowering here, (*Onosma visianii* and *O. taurica*) growing conveniently close together to help us identify them. We were all busy botanising but did have time to look at birds and butterflies as well, and found two species of Swallowtail, Clouded Yellow, Adonis Blue and the Pearly Heath, which was a new species for some of the group.

After a busy morning here we moved on to a sheltered woodland site for our picnic, keeping an eye on the black clouds in the distance, but it remained dry for a while. On a nearby steep roadside bank we found some beautiful Red Helleborines (*Cephalanthera rubra*), one of the many rare British native species we were to encounter during the week.

After the showers had eased off we moved on to a riverside site we explored the rocks and shingle, and the mixed flora included a number of mountain species which had been washed down from high altitude by floods. The small foxglove *Digitalis lanata* was quite common here, and the tiny *Micromeria cristata* was found on the roadside rocks. A stunning Green Lizard was spotted sunning itself on a rock and there were many butterflies, grasshoppers, crickets and dragonflies on the wing here. Back at the Studena Lodge we continued our exploration of the surroundings and noted the Wall Germander (*Teucrium chamaedrys*) which was flowering freely on the top of the wall by the lodge and the Black-veined White butterflies which enjoyed feeding on the ornamental shrubs in the garden.

Day 3

Monday 17th June

We packed up and departed from the Studena lodge this morning, heading for Rila, but we stopped first at another part of the Golo Bardo Mountain where more endemic plants were to be found. The burgundy-coloured *Centuarea immanuelis-loewii* was in full flower here, at one of its few sites in Bulgaria, but we also found some Balkan Lizard Orchids (*Himantoglossum jankae*) and at least three species of Yarrow (*Achillea*) relatives, including one hybrid. Some non-native and rather invasive shrubs had found their way here which may eventually threaten these very rare plants.

From this very rich site we moved on, stopping for a while to look around the small town of Kocherinova where there were many occupied nests of White Storks on the chimney pots of houses and the school roof. We peered over garden walls at the many vegetable plots, all very carefully tended, with a good variety of fruits and vegetables, vines and flowering shrubs. A proud garden-owner invited us into her garden and explained what the various plants were, and at another garden the owner came out with a bowl of freshly-picked cherries (probably *Prunus cerasifera*) for us to try. The fruiting Black Mulberry was too much of a temptation for some of the party who could not resist feasting.

We continued towards the very famous Rila Monastery, but stopped off at a traditional restaurant for lunch, which was enjoyed by all. It became rather cloudy and humid as we climbed the mountain road, with the deciduous woodland giving way to slopes of pines and spruce. The monastery was well worth visiting, with impressive views all around and some fascinating murals and carvings on the buildings. Amongst the birds seen here was the Black Redstart which may have been nesting on the building. We drove back down the road to a lush wet meadow, and followed a trail through the tall sedges, finding (*Epipactis palustris*) in full flower, and a few impressive spikes of Lax-flowered Marsh Orchids (*Anacamptis palustris* subsp. *elegans*); most were going over, but we could see that they would have looked splendid a week or so earlier. This meadow had many other interesting

species in it, including Spiny Restharrow (*Ononis spinosa*) and the Common Hedge-hyssop (*Gratiola officinalis*). A Nightingale sang to us from a nearby clump of willows and some Corn Buntings were spotted on the overhead wires.

Our destination was Bansko which is a mostly new town, built up as a ski resort around an historic village with an impressive church. Our modern hotel was in the centre of the town, but around it were a few undeveloped plots which had a very abundant flora growing in them. A clear river tumbled down through the middle of the town and there were lovely views of the Pirin Mountains in the distance. We enjoyed an evening meal of traditional Bulgarian cuisine in the outdoor dining area, and then settled down to go through our check lists.

Day 4

Tuesday 18th June

After breakfast we set off in the bus to reach the lower slopes of the Pirin Mountain, part of the large National Park created in the 1930s. There has been a lot of development for winter sports, with car parks, lodges, ski-lifts and snow-making machines installed, but vast areas of the park have been left untouched and we were impressed by the pristine state of many of the places we explored. We left the bus at the Banderitsa Lodge and walked up the almost traffic-free zig-zag mountain road, exploring the verges on either side. There was so much to see that we made quite slow progress, but it was quite easy walking along the verges and our list of flowers for the trip grew rapidly. Above our heads the forest was made up mostly of coniferous species, including Bosnian Pine (*Pinus heldreichii*), and one very old and very large specimen was a notable sight on the walk up. This tree is known as the Baikusheva Mura and is thought to be 1,300 years old.

Birds seen on this walk included Nutcracker, Sombre Tit and Crossbill, but for most of the time we were looking down at the rich flora. There was plenty of colour in the ground flora, with species like Rock Crane's-bill (*Geranium macrorrhizum*) flowering well in large spreading clumps. Less colourful, but of great interest, were the patches of One-flowered Wintergreen (*Moneses uniflora*) and the tiny, fragrant-flowered Olive-leaved Daphne (*Daphne oleoides*), and in rock crevices we spotted Holly Fern (*Polystichum lonchitis*) and Brittle Bladder-fern (*Cystopteris fragilis*). More splashes of colour were provided by Yellow Flax (*Linum capitatum*) and the Fox-and-cubs relative *Pilosella guthnikiana*. We reached a spot where the snowmelt from a gully had created a stream across the road and had our picnic here with superb views of the mountains and forests all around. After this we explored the margins of the snow patch, finding hundreds of flowers of *Crocus veluchensis* just starting to open, and on the grassy margins there were some clumps of Cowslips (*Primula veris*) in full bloom.

It was only a relatively short walk up the road to the Vikren Alpine Lodge, where the road ended, and after a short break here, and some reviving herb tea, we started on the descent by way of a stony track. The stony trail crossed a few streams and wet flushes other plants found here included the very local Frivald's Fragrant Orchid (*Gymnadenia frivaldii*), and the intensely purple Heart-flowered Marsh Orchid (*Dactylorhiza cordigera*). As we followed the path down we crossed some streams and wet flushes where the Balkan Butterwort (*Pinguicula balcanica*) was flowering freely. The path led us down to the starting point of our walk at the Banderitsa Lodge where there was time for a coffee break at the cafe before we rejoined the bus to return to Bansko. After a very full day we met up again to go over our lists and discuss the next day's plans.

Day 5

Wednesday 19th June

We took the same mountain road again today, but this time drove further on to the Vikren Lodge, where we had ended our walk on the previous day, and set off on the mountain trail. It was obviously a very popular route and there were quite a few visitors clearly planning on long trips today. Our starting point was 1972 metres above sea level, and the mountains around us rose up considerably higher than this. The path was steep and stony in places, but clearly marked and there was plenty to see as we climbed up. We passed through the last of the trees which were mostly Dwarf Mountain Pine (*Pinus mugo*) before the valley opened out into a grassy area with a fast-flowing river running through it. Bird's-eye Primrose (*Primula farinosa*) and Pyrenean Gentian (*Gentiana pyrenaica*) were found here and where there were still a few snow patches the charming pink-flowered Dwarf Snowbell (*Soldanella pusilla*) was flowering. We climbed up to a large tarn, known locally as Okoto, or the "Eye Lake", which usually has patches of Quillwort growing in the margins, but clearly there had been some avalanche damage and there was a mass of ice, rocks and shrubs blocking the tarn. On the rocks around it, Swiss Clubmoss (*Selaginella helvetica*) was seen and in the outflow, despite the ice in the tarn, there were large quantities of frogspawn. Another very rare British native species was found nearby in the form of Purple Coltsfoot (*Homogyne alpina*), growing out of a large patch of Oak Fern (*Gymnocarpium dryopteris*). The Balkan endemic Alpine Bellflower (*Campanula alpina* subsp. *orbelica*) was also noted as we descended the trail. We returned to the lodge and had our picnic on their terrace.

After our lunch break we drove back down the road and across one of the newly-created ski-slopes, looking rather like an invitation to cause avalanches, to an isolated outcrop of what seemed to be a conglomerate rock, which was a favourite destination of rock-climbers. This proved to be quite a productive area botanically with some Saxifrage species found, although they were mostly in seed. The dry pine wood here had some small flowering specimens of Red Helleborine scattered through it, and growing alongside them were two more species of Wintergreen in the form of Nodding Wintergreen (*Orthilia secunda*) and Pale-green Wintergreen (*Pyrola chlorantha*). Another roadside stop here enabled us to find Herb-Paris (*Paris quadrifolia*), Twayblade (*Neottia ovata*) and Bird's-nest Orchids (*Neottia nidus-avis*).

Day 6

Thursday 20th June

We packed up this morning and checked out of the hotel, but had time to explore one of the undeveloped building plots nearby where there was a very colourful flora flourishing in the sunny conditions. There were many mullein plants towering over us and we added some more species to our list, including the shrubby Erect Clematis (*Clematis recta*) and Crown Vetch (*Securigera varia*). The numbers of butterflies and other insects foraging in these plots was quite considerable and we could have spent much longer here as there was so much to see. We had a brief stop in the old town centre, visiting the historic church with its Stork nests on the tower – uncountable numbers of Swifts were seen flying around with many of them visiting nest sites in the church. The air was filled with the fragrance of the many flowering Lime trees which lined the streets of the town.

We took to the road again leaving the Pirin National Park behind us as we headed south towards Dospat. There was attractive mountain scenery all around and very little traffic on the roads. We stopped for lunch at the Satovcha picnic site, where the local people had made a very elaborate covered seating area with tables and benches, and they had even provided table cloths. There were incredibly rich flower-filled meadows all around with Golden Orioles calling and White Storks feeding in the fields. The soil was dry and sandy here which

obviously suited the local species of Thrift *Armeria cariensis* var. *rumelica*. This is a good site for Bug Orchids (*Anacamptis coriophora*) and we found many fine specimens, although the Fragrant Orchids (*Gymnadenia conopsea* agg) were mostly past their best. The Burnt Orchids (*Neotinea ustulata*) were still flowering very freely. We were very glad of the shelter when a heavy rain-storm arrived, but it passed eventually, and we were able to resume our explorations. The rain settled the butterflies down into the grass and we found some of strikingly-coloured Balkan Copper butterflies drying themselves in the sun.

We stopped at another site where conditions were much wetter, and here we found some better specimens of the Lax-flowered Marsh Orchids, along with some splendid Baumann's Marsh Orchids (*Dactylorhiza baumanniana*) and more Fragrant and Twayblade Orchids. A small potato patch nearby seemed to have an infestation of Colorado Beetles as most of the plants we looked at had adult beetles on them. Apparently, all UK visitors are fascinated by these, causing much amusement amongst the Bulgarians. We finally arrived at our accommodation in the Hotel Dabrash for the last few days of our trip, where there were wonderful far-reaching views of the Rhodope Mountains close to the Greek border.

After checking in here we explored the surroundings, where there were damp meadows, pine woods and rocky slopes for us to investigate. We found the saprophytic Violet Limodore (*Limodorum abortivum*) and the unrelated Yellow Bird's-nest (*Montropa hypopitys*) growing in some abundance under the trees lining the drive and some very good specimens of Greater Butterfly Orchid (*Platanthera chlorantha*) in full flower. Mountain Clover (*Trifolium montanum*) was also common here. The extensive grounds of the hotel were quiet and undisturbed which was ideal for bird-watching and relaxing, although some of our party headed straight for the swimming pool. We enjoyed our pre-dinner drinks on the terrace as Swallows and House Martins swooped overhead.

Day 7

Friday 21st June

For our last full day in Bulgaria we headed in the direction of the Greek border to visit the Trigrad Gorge, famous for its dramatic scenery and many rare plants. It took about an hour to get there but there was impressive scenery to look at on the way with forests, large dams, and flower-rich hay-meadows all along the route. We left the bus at the start of the steepest part of the gorge and walked up the road finding new plants along the way. One of the first plants we spotted was a very large Frog Orchid (*Dactylorhiza viridis*), many times larger than the others growing around it. The Prickly Whorlflower (*Morina persica*) and Martagon Lily (*Lilium martagon*) were some of the showiest species, but there were several more additions to our list as we progressed, including another attractive Bellflower *Campanula lingulata*. Limestone Fern (*Gymnocarpium robertianum*) and Green Spleenwort (*Asplenium viride*) were new ferns for the list. Sadly, the Wallcreeper which this site was noted for was not seen on this occasion so we did not stay long, apart from a short while when some Crag Martins flew by, giving quite close views. The sunny side of the gorge was ideal for butterflies and there were several spots where Small Blue butterflies gathered to drink in remnants of puddles.

When we reached the bus, which was parked much further up, we drove the short distance to the restaurant by the river where we enjoyed a lunch of trout. After a break here we strolled back down the road checking out the flora on the verges. A garden plot close to the road was being used to grow Mountain Ironwort (*Sideritis montana*), the attractive plant used to make the herbal tea we had been offered on several occasions. Our next stop was the path down to the "Devil's Throat" where the river plunged through a deep ravine. The path had some steep steps and a handrail and led down to a view point where we were able to see another Bulgarian endemic plant

Haberlea rhodopensis, the only European representative of the “African Violet” family, growing on the mossy rock faces and seemingly permanently drenched in spray.

We left the Trigrad Gorge and drove back to our hotel in rather drizzly conditions, but there was time to stop at an impressive Roman bridge on the way back and photograph some of the meadow flora. Some Red-rumped Swallows sat on the riverside shrubs, giving us very close views before we returned to the hotel. An impressive rainbow signalled the end of the rainy spell. When we got back to the hotel Vlado took us down to one of the damp meadows to have a closer look at the hybrid orchid he had found which turned out to be a cross between Green-winged Orchid (*Anacamptis morio*) and Bug Orchid. At least two specimens were spotted in the meadow.

Day 8

Saturday 22nd June

This morning we had to have an early breakfast and pack up for the trip back to Sofia, so we were ready to leave by 7am. The almost-empty roads passed through lovely wooded hills, and we passed several large lakes on the way. As it was the weekend, there was not any heavy traffic but there were plenty of people fishing on the lakes or gathering herbs – a traditional activity in Bulgaria at this time of year. There were glimpses of a few birds and mammals during the journey, including Roe and Red Deer, Red Squirrel and the occasional Buzzard and several White Storks.

As the scenery changed from steep hillsides and forested uplands to agricultural land, we noticed the vineyards and the abundance of fields of sunflowers. The flower-rich verges had stately Mulleins lining them for mile after mile and in many of the villages there were roadside stalls selling garden produce. A brief stop at a very impressive small service station with excellent coffee and spotless toilets broke the journey for us and we arrived at Sofia Airport in plenty of time for our flight back to London. Some of the party were staying on in Bulgaria for a while so we thanked our Bulgarian hosts for a memorable trip and said our farewells at the airport.

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Species Lists

Plants ([] = Indicates a plant is an introduction or planted; * = indicates a plant is endemic)

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
PTERIDOPHYTES		
Lycophytes		
Selaginellaceae		
<i>Selaginella helvetica</i>	Swiss Clubmoss	Pirin Day 4
Isoetaceae		
<i>Isoetes lacustris</i>	Common Quillwort	mountain tarn, Pirin, mostly damaged
Calamophytes		
Equisetaceae		
<i>Equisetum hyemale</i>	Dutch Rush	ditches, roadsides, common
<i>Equisetum ramosissimum</i>	Boston Horsetail	meadow nr Dospat, Day 6
<i>Equisetum fluviatile</i>	Water Horsetail	scarce
<i>Equisetum palustre</i>	Marsh Horsetail	orchid meadow, Rila, Day 3
<i>Equisetum arvense</i>	Field Horsetail	widespread
Eusporangiate Ferns		
Ophioglossaceae		
<i>Botrychium lunaria</i>	Moonwort	Pirin, Day 4
Leptosporangiate Ferns		
Aspleniaceae		
<i>Asplenium ruta-muraria</i>	Wall Rue	Bansko, scarce
<i>Asplenium viride</i>	Green Spleenwort	Pirin, Day 5
<i>Asplenium trichomanes</i> agg.	Maidenhair Spleenwort	fairly common, walls and rocks
Athyriaceae		
<i>Athyrium filix-femina</i>	Lady-fern	common
Cystopteridaceae		
<i>Cystopteris fragilis</i>	Brittle Bladder-fern	Pirin roadside, Day 4
<i>Gymnocarpium dryopteris</i>	Oak Fern	Pirin
<i>Gymnocarpium robertianum</i>	Limestone Fern	Rhodope, Trigrad Gorge
Dennstaedtiaceae		
<i>Pteridium aquilinum</i>	Bracken	widespread
Dryopteridaceae		
<i>Dryopteris carthusiana</i>	Narrow Buckler-fern	wooded areas
<i>Dryopteris filix-mas</i>	Male-fern	wooded areas
<i>Polystichum aculeatum</i>	Hard Shield-fern	Rhodope
<i>Polystichum lonchitis</i>	Holly-fern	Pirin
<i>Polystichum setiferum</i>	Soft Shield-fern	possibly this species,
Polypodiaceae		
<i>Polypodium vulgare</i>	Common Polypody	Rila, mostly on rocks
GYMNOSPERMS		
Cupressaceae		
<i>Juniperus communis</i> var. <i>saxatilis</i>	Juniper	Pirin - higher mountain slopes
Pinaceae		
<i>Abies alba</i>	European Silver Fir	widespread
<i>Picea abies</i>	Norway Spruce	widespread
FERNS & ALLIES		
Clubmosses & Quillworts		
Lesser Clubmoss Family		
Quillwort Family		
Horsetails		
Horsetail Family		
Adder's-tongues & Moonworts		
Adder's-tongue Family		
True Ferns		
Spleenwort Family		
Lady-fern Family		
Bladder-fern Family		
Bracken Family		
Buckler-fern Family		
Polypody Family		
CONIFERS		
Juniper Family		
Pine Family		

Scientific Name	Common Name	Location
<i>Pinus heldreichii</i> (<i>P. leucodermis</i>)	Bosnian Pine	Pirin - very old specimens seen
<i>Pinus mugo</i>	Dwarf Mountain Pine	Pirin Day 4
<i>Pinus nigra</i> subsp. <i>pallasiana</i>	Black Pine	widespread
<i>Pinus peuce</i>	Macedonian Pine	widespread
<i>Pinus sylvestris</i>	Scots Pine	sub-montane zone, Vitosha
ANGIOSPERMS	FLOWERING PLANTS	
Pre-dicots	Primitive Angiosperms	
Aristolochiaceae	Birthwort Family	
<i>Asarum europaeum</i>	Asarabacca	Pirin woodlands by road, Day 5
Eu-dicots	True Dicotyledons	
Adoxaceae	Moschatel Family	
<i>Sambucus ebulus</i>	Dwarf Elder / Danewort	roadsides, lowland areas, Vitosha
<i>Sambucus nigra</i>	Common Elder	common, farmland
<i>Sambucus racemosa</i>	European Red Elder	Vitosha
<i>Viburnum lantana</i>	Wayfaring Tree	roadsides, nr Dospat
<i>Viburnum opulus</i>	Guelder Rose	roadside - seen from bus
Amaranthaceae	Goosefoot Family	
<i>Chenopodium album</i>	Fat Hen	roadsides, building plots
<i>Chenopodium bonus-henricus</i>	Good King Henry	roadsides, building plots
Anacardiaceae	Sumach Family	
<i>Cotinus coggygria</i>	Smoke Tree	sub-montane zone
Apiaceae	Carrot Family	
<i>Aegopodium podagraria</i>	Ground Elder	towns and gardens, common
<i>Angelica sylvestris</i>	Wild Angelica	marshy areas, Pirin
<i>Angelica panicii</i>	a Balkan Angelica	Vitosha
<i>Anthriscus sylvestris</i>	Cow Parsley	farmland, grassy tracks
<i>Bifora radians</i>	Wild Bishop	lowland farmland
<i>Bupleurum falcatum</i>	Sickle Hare's-ear	nr Dospat
<i>Bupleurum apiculatum</i>	a "Hare's-ear"	nr Dospat
<i>Carum appuanum</i> (<i>C. rigidulum</i>)	a Caraway	nr Rila
<i>Chaerophyllum bulbosum</i>	Tuberous-rooted Chervil	nr Rila
<i>Chaerophyllum aureum</i>	Golden Chervil	nr Dospat
<i>Conium maculatum</i>	Hemlock	roadsides
<i>Daucus carota</i>	Wild Carrot	scattered sites
<i>Eryngium campestre</i>	Field Eryngo	nr Dospat
<i>Foeniculum vulgare</i>	Fennel	gardens near Rila
<i>Heracleum sphondylium</i> subsp. <i>sibiricum</i>	-	riverside on Pirin road
<i>Laserpitium siler</i>	Laserwort	Pirin roadside
<i>Ligusticum mutellina</i>	Alpine Lovage	Vitosha
<i>Oenanthe fistulosa</i>	Tubular Water Dropwort	orchid meadow, Rila
<i>Orlaya grandiflora</i>	-	Golobardo mountain
<i>Pastinaca hirsuta</i>	Hairy Parsnip	Rhodope
<i>Pastinaca sativa</i>	Wild Parsnip	roadsides
<i>Pimpinella saxifraga</i>	Burnet Saxifrage	Golobardo mountain
<i>Sanicula europaea</i>	Sanicle	
<i>Seseli rhodopeum</i>	-	Rhodope
<i>Tordylium maximum</i>	Hartwort	nr Dospat
<i>Torilis arvensis</i>	Spreading Bur-parsley	waste ground nr shops
<i>Torilis japonica</i>	Upright Hedge Parsley	roadsides
<i>Trinia glauca</i>	Honewort	Golobardo mountain, Day 2 and 3
Apocynaceae	Periwinkle Family	
<i>Vincetoxicum hirsundinaria</i>	Swallow-wort	Rhodope

Scientific Name	Common Name	Location
<i>Vincetoxicum fuscum</i>	a small Swallow-wort	Trigrad Gorge
Araliaceae	Ivy Family	
<i>Hedera helix</i>	Ivy	widespread
Betulaceae	Birch Family	
<i>Alnus glutinosa</i>	Common Alder	widespread
<i>Alnus incana</i>	Grey Alder	Rhodope
<i>Betula pendula</i>	Silver Birch	Pirin, Vitosha
<i>Corylus avellana</i>	Hazel	Vitosha, Rhodope
<i>Ostrya carpinifolia</i>	Hop Hornbeam	Vitosha
<i>Carpinus orientalis</i>	Eastern Hornbeam	Trigrad Gorge
Boraginaceae	Borage Family	
<i>Anchusa officinalis</i> (+ <i>procera</i>)	Alkanet	nr Bansko, also Dospat
<i>Cerinth glabra</i>	Smooth Honeywort	Pirin roadside
<i>Cynoglossum hungaricum</i>	a Hound's-tongue	Pirin , Day 4
<i>Cynoglossum officinale</i>	Hound's-tongue	Pirin
<i>Echium italicum</i>	Pale Bugloss	waste ground
<i>Echium vulgare</i>	Viper's Bugloss	Satovcha picnic site
<i>Lithospermum officinale</i>	Common Gromwell	waste ground
<i>Myosotis sicula</i>	Jersey Forget-me-not	Satovcha picnic site
<i>Myosotis laxa</i> subsp. <i>caespitosa</i>	Tufted forget-me-not	orchid meadow, Rila
<i>Myosotis sylvatica</i>	Wood forget-me-not	possibly some specimens
<i>Onosma visianii</i> (<i>heterophylla</i>)	a Golden Drops	Golobardo mountain Day 2
<i>Onosma taurica</i> ?	Golden Drops	Golobardo mountain
<i>Pulmonaria rubra</i> (+ <i>white-flowered form</i>)	Red Lungwort	Pirin mountain roadsides
<i>Symphytum ottomanum</i>	a Comfrey	Rila area
<i>Symphytum officinale</i>	Comfrey	scattered sites
Brassicaceae	Cabbage Family	
[<i>Armoracia rusticana</i>]	Horse Radish	leaves only
<i>Alyssum alyssoides</i>	Small Alison	Golobardo mountain
<i>Alyssum murale</i>	-	Rila area
<i>Arabis alpina</i>	Alpine Rock-cress	Pirin
<i>Arabis ferdinandi-coburgi</i>	a Rock-cress	Pirin
<i>Arabis sagittata</i>	a rock-cress	Day 2
<i>Arabis turrita</i>	Tower Cress	roadsides and waste ground
<i>Aubrieta gracilis</i>	-	Rila area
<i>Barbarea bracteosa</i>	-	cultivated areas
<i>Barbarea balcanna</i>	Balkan Yellow Rocket	near Rila
<i>Berteroa incana</i>	Hoary Alison	roadsides
<i>Capsella bursa-pastoris</i>	Shepherd's-purse	cultivated areas and waste ground
<i>Cardamine glauca</i>	-	Vitosha
<i>Cardamine pratensis</i>	Lady's Smock	orchid meadow nr Dospat
<i>Draba lasiocarpa</i> (<i>D. athoa</i>)	a yellow Whitlow Grass	Pirin
<i>Erysimum cuspidatum</i>	a Wallflower	Pirin
<i>Lepidium campestre</i>	Field Pepperwort	waste places
<i>Rorippa pyrenaica</i>	a yellow Mustard/Cress	near Rila
<i>Sisymbrium officinale</i>	Hedge Mustard	roadsides and verges
<i>Thlaspi arvense</i>	Field Pennycress	roadsides and verges
<i>Thlaspi perfoliatum</i>	Perfoliate Pennycress	??
<i>Thlaspi praecox</i>	Early Pennycress	Satovcha picnic site
Campanulaceae	Bellflower Family	
<i>Asyneuma limonifolium</i>	-	Golobardo mountain
<i>Campanula alpina</i> subsp. <i>orbilica</i>	a perennial Alpine Bellflower	Pirin

Scientific Name	Common Name	Location
<i>Campanula glomerata</i>	Clustered Bellflower	in bud only
<i>Campanula lingulata</i>	a Bellflower	Rhodope
<i>Campanula macrostachya</i>	-	Rhodope
<i>Campanula jordanovii</i>	a endemic Bellflower	Golobardo mountain
<i>Campanula patula</i>	Spreading Bellflower	widespread
<i>Campanula patula</i> subsp. <i>abietina</i>	-	shaded areas
<i>Campanula persicifolia</i>	Peach-leaved Bellflower	Vitosha
<i>Campanula rapunculoides</i>	Creeping Bellflower	Golobardo mountain
<i>Campanula rapunculus</i>	Rampion Bellflower	shaded areas
<i>Campanula rumeliana</i> (<i>Trachelium jacquinii</i> subsp. <i>rum.</i>)		leaves and buds only
<i>Campanula trachelium</i>	Nettle-leaved Bellflower	shaded areas
<i>Campanula trichocalycina</i>	a tall Bellflower	Rhodope
<i>Campanula velebitica</i>	a Balkan Bellflower	Trigrad Gorge
<i>Edraianthus serbica</i>	a bellflower relative	rare and protected species
<i>Jasione bulgarica</i> *	an endemic Sheep's-bit	Golobardo mountain, buds only
Cannabaceae	Hop family	
<i>Humulus lupulus</i>	Hop	common in cultivated areas
Caprifoliaceae	Honeysuckle family	
<i>Dipsacus laciniatus</i>	Cut-leaved Teasel	widespread
<i>Knautia arvensis</i>	Field Scabious	scattered sites
<i>Knautia drymeia</i>	a pink Scabious	nr Satovcha picnic site
<i>Knautia midzorensis</i>	-	scattered sites
<i>Lonicera xylostereum</i>	Fly Honeysuckle	Pirin mountain roadsides
<i>Morina persica</i>	Prickly Whorlflower	Rhodope
<i>Scabiosa triniifolia</i>	-	Vitosha
<i>Valeriana montana</i>	-	roadside sites
<i>Valeriana officinalis</i>	Common Valerian	nr Satovcha picnic site
<i>Valeriana tripteris</i>	Three-leaved Valerian	nr Studena Lodge
<i>Valerianella (locusta)</i>	Cornsalad -	waste ground in Bansko
Caryophyllaceae	Pink Family	
<i>Agrostemma githago</i>	Corn Cockle	Studena area
<i>Arenaria biflora</i>	Two-flowered Sandwort	shaded areas
<i>Arenaria filicaulis</i> subsp. <i>graeca</i> (<i>A. rhodopaea</i>)	-	Pirin
<i>Arenaria serpyllifolia</i>	Thyme-leaved Sandwort	Pirin
<i>Cerastium alpinum</i>	Alpine Mouse-ear	Pirin
<i>Cerastium dubium</i>	Three-styled Chickweed	Pirin
<i>Cerastium cerastioides</i>	Starwort/Mountain Chickweed	Pirin
<i>Cerastium fontanum</i> agg.	Common Mouse-ear	waste places
<i>Dianthus armeria</i>	Deptford Pink	Studena area
<i>Dianthus cruentus</i>	a deep red Pink	Golobardo mountain
<i>Dianthus deltoides</i>	Maiden Pink	Golobardo mountain
<i>Dianthus superbus</i>	Fringed Pink	Golobardo mountain
<i>Dianthus microlepis</i> *	a cushion-forming Pink	Pirin
<i>Dianthus petraeus</i>	white flowered Pink	Trigrad Gorge
<i>Dianthus petraeus</i> ssp. <i>noeanus</i>	-	Rhodope
<i>Herniaria glabra</i>	Smooth Rupturewort	Pirin
<i>Herniaria hirsuta</i> (+ <i>nigrimontium</i>)	Hairy Rupturewort	Pirin
<i>Minuartia biflora</i>	Mountain Stitchwort	Pirin
<i>Minuartia verna</i>	Spring Sandwort	Golobardo mountain
<i>Minuartia setacea</i>	a small Sandwort	Golobardo Mountain
<i>Moehringia pendula</i>	a Sandwort	Vitosha

Scientific Name	Common Name	Location
<i>Paronychia (capitata)</i>	Papery Whitlow-wort	Golobardo
<i>Petrorhagia prolifera</i>	Proliferous Pink	meadows near Studena
<i>Petrorhagia saxifraga</i>	Tunic Flower	meadows near Studena
<i>Petrorhagia illyrica</i>	"Pink Starlets" Tunic flower	Pirin
<i>Sagina procumbens</i>	Procumbent Pearlwort	Vitosha
<i>Saponaria officinalis</i>	Soapwort	Rhodope
<i>Saponaria glutinosa</i>	a deep red Soapwort	Pirin ski slopes
<i>Scleranthus perennis</i> agg.	Perennial Knawel	Pirin ski slopes
<i>Scleranthus annuus (+ neglectus)</i>	Annual Knawel	Day 5
<i>Silene conica</i>	Sand Catchfly	waste ground, Bansko
<i>Silene coronaria (Lychnis c.)</i>	Rose Campion	waste ground, Bansko
<i>Silene fabarioides*</i>	-	Pirin area
<i>Silene flavescens</i>	-	Pirin area
<i>Silene flos-cuculi (Lychnis f-c.)</i>	Ragged Robin	Orchid meadow nr Rila
<i>Silene italica (white and pink forms)</i>	Italian Catchfly	roadside sites
<i>Silene lerchenfeldiana</i>	-	Golobardo mountain
<i>Silene nutans</i>	Nottingham Catchfly	Rhodope
<i>Silene roemerii</i>	-	Rhodope
<i>Silene subintegra (Lychnis s.)</i>	Ragged Robin look-alike!	wet meadows - Dospat
<i>Silene viscaria (Lychnis v.)</i>	Sticky Catchfly	roadsides
<i>Silene atropurpurea</i>	German Catchfly	Rhodope
<i>Silene vulgaris</i>	Bladder Campion	Rhodope
<i>Silene waldsteinii</i>	-	possibly this species - Rhodope
<i>Stellaria graminea</i>	Lesser Stitchwort	scattered sites
<i>Stellaria media</i>	Common Chickweed	widespread
Celastraceae	Spindle Family	
<i>Euonymus latifolius</i>	Large-leaved Spindle	Rhodope
<i>Euonymus europaeus</i>	Spindle	scattered sites
<i>Euonymus vernus</i>	a Spindle	Day 7
Cistaceae	Rock-rose Family	
<i>Helianthemum oelandicum</i> subsp. <i>incanum</i>	Hoary Rock-rose	Golobardo mountain
<i>Helianthemum nummularium</i>	Common Rock-rose	scattered sites
<i>Fumana procumbens*</i>	-	Golobardo mountain
Compositae (Asteraceae)	Daisy Family	
<i>Achillea ageratifolia</i>	-	Golobardo mountain
<i>Achillea setacea</i>	a Yarrow	scattered sites
<i>Achillea clypeolata</i>	-	Golobardo mountain
<i>Achillea crithmifolia (plus a hybrid sp)</i>	-	scattered upland sites
<i>Achillea millefolium</i>	Yarrow	roadsides, grassy areas
<i>Achillea multifida</i>	-	possibly this species - Rhodope
<i>Antennaria dioica</i>	Cat's-foot	Pirin and other sites
<i>Anthemis tinctoria</i>	Yellow Chamomile	roadsides nr Rila
<i>Arctium lappa</i>	Greater Burdock	Rhodope
<i>Artemisia alba</i>	Camphor Wormwood	Pirin
<i>Artemisia alpina</i>	Alpine Wormwood	possibly this species - Pirin
<i>Artemisia vulgaris</i>	Mugwort	waste ground
<i>Aster alpinus</i>	Alpine Aster	Pirin
<i>Bellis perennis</i>	Daisy	grassy areas
<i>Carduus nutans</i> subsp. <i>leiophyllus (C. thoermeri)-</i>		damp roadside sites
<i>Carlina acanthifolia</i>	Acanthus-leaved Carlina Thistle	Pirin
<i>Centaurea orientalis</i>	a cornflower-like species	picnic site nr Dospat

Scientific Name	Common Name	Location
<i>Centaurea immanuelis-lowei</i> *	-	Golobardo area
<i>Centaurea mannagettae</i>	-	Golobardo area
<i>Centaurea nervosa</i> and <i>C. orbelica</i>)	-	2 similar species - Golobardo
<i>Centaurea phrygia</i>	Wig Knapweed	Bansko
<i>Chamaemeleum nobile</i>	Chamomile	Studena area
<i>Cichorium intybus</i>	Chicory	common in cultivated areas
<i>Cirsium appendiculatum</i>	-	grassy areas
<i>Cirsium arvense</i>	Creeping Thistle	grassy areas
<i>Cirsium candelabrum</i>	Candelabra Thistle	leaves only
<i>Cirsium canum</i>	a Thistle	Day 6
<i>Cirsium heterotrichum</i>		Bansko area
<i>Crepis biennis</i>	Rough Hawksbeard	grassy areas
<i>Crepis foetida</i>	unpleasant smell	grassy areas, Day 6
<i>Cyanus orbelicus</i> * (<i>Centaurea orbelica</i>)	a white-flowered Knapweed	Day 4, Pirin
<i>Cyanus segetum</i> (<i>Centaurea cyanus</i>)	Cornflower	possibly - seen from bus
<i>Cyanus triumfettii</i> (<i>Centaurea</i> tr.)	a cornflower-like species	grassy areas nr Dospat
<i>Doronicum columnae</i>	Heart-leaved Leopardsbane	roadsides, woodlands
<i>Erigeron acris</i> (<i>E. acer</i>)	Blue Fleabane	rocky sites
<i>Eupatorium cannabinum</i>	Hemp Agrimony	roadsides
<i>Filago germanica</i> (<i>F. vulgaris</i>)	Common Cudweed	car park area, Bansko
<i>Hieracium balcanicum</i> *	-	Rhodope
<i>Hieracium cymosum</i>	-	Rhodope
<i>Hieracium murorum</i> Group.	Few-leaved Hawkweed	?
<i>Hieracium neodivergens</i>	an endemic Hawkweed	Rhodope area
<i>Hieracium kittaniae</i>	an endemic Hawkweed	Rhodope area
<i>Homogyne alpina</i>	Alpine Colt's-foot	Pirin
<i>Hypochoeris maculata</i>	Spotted Cat's-ear	Day 6
<i>Hypochoeris radicata</i>	Common Cat's-ear	Day 6
<i>Inula aschersoniana</i>	-	Pirin area
<i>Inula ensifolia</i>	Elecampane-like species	Pirin area
<i>Inula oculus-christi</i>	Christ's-eye (large yellow fls)	Pirin
<i>Jurinea consanguinea</i>	Jurinea	a soft thistle-like species
<i>Lapsana communis</i>	Nipplewort	roadsides and waste places
<i>Leontodon crispus</i>	Hairy Hawkbit	roadsides
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	common in grassy areas
[<i>Matricaria discoidea</i>]	Pineapple Mayweed	widespread
<i>Mycelis muralis</i>	Wall Lettuce	rocky roadside sites
<i>Omalothea supina</i>	Dwarf Cudweed	Pirin
<i>Onopordum acanthium</i>	Cotton Thistle	Rhodope -near restaurant
<i>Petasites kablikianus</i> (+ <i>P. hybridus</i>)	a Butterbur	Rhodope river margins in gorge
<i>Pilosella aurantiaca</i> (and <i>P. guthnickiana</i>)	Orange Hawkweed	Rhodope
<i>Pilosella piloselloides</i> subsp. <i>bauhinii</i>	-	Golobardo
<i>Ptilostemon afer</i>	thistle with white-veined leaves	Pirin - roadsides
<i>Pulicaria dysenterica</i>	Common Fleabane	widespread
<i>Scorzonera hispanica</i>	Black Salsify	roadside sites
<i>Scorzonera purpurea</i> subsp. <i>rosea</i>	Purple Viper's-grass	roadside sites
<i>Senecio nemorensis</i>	Wood Ragwort	Pirin
<i>Senecio squalidus</i>	Oxford Ragwort	roadsides
<i>Senecio viscosa</i>	Sticky Ragwort	Golobardo Mountain Day 2
<i>Solidago virgaurea</i>	Golden Rod	Bansko
<i>Sonchus arvensis</i>	Perennial Sow-thistle	waste ground in Bansko
<i>Sonchus oleraceus</i> (+ <i>S. asper</i>)	Smooth Sow-thistle	waste ground

Scientific Name	Common Name	Location
<i>Tanacetum corymbosum</i>	a Feverfew	Bansko
<i>Tanacetum vulgare</i>	Tansy	widespread, mostly leaves and buds
<i>Taraxacum</i> agg.	Dandelion	grassy areas
<i>Telekia speciosa</i>	resembles Elecampane	riverside on Pirin road
<i>Tragopogon orientalis</i>	a Goat's-beard	grassy areas
<i>Tragopogon pterodes + balcanicus and dubium</i>	3 similar species	grassy roadside areas
<i>Tripleurospermum tenuifolium</i>	a Mayweed	Bansko
<i>Tussilago farfara</i>	Colts-foot	Studena area
<i>Xeranthemum annuum</i>	Annual Everlasting	Bansko
<i>Xeranthemum cylindraceum</i>	knapweed like flower heads	Bansko area
Convolvulaceae	Bindweed Family	
[<i>Cuscuta campestris</i>]	Yellow Dodder	Rhodope
<i>Convolvulus arvensis</i>	Field Bindweed	widespread
<i>Convolvulus campestris</i>	a bindweed	scattered sites
<i>Convolvulus cantabrica</i>	Dwarf Morning Glory	nr Dospat
Cornaceae	Dogwood Family	
<i>Cornus sanguinea</i>	Common Dogwood	widespread
Crassulaceae	Stonecrop Family	
<i>Sedum acre</i>	Biting Stonecrop	Bansko
<i>Sedum album</i>	White Stonecrop	Rhodope
<i>Sedum alpestre</i>	Alpine Stonecrop	Pirin Day 5
<i>Sedum atratum</i>	Dark Stonecrop	Pirin
<i>Sedum cepaea</i>	Pink Stonecrop	Pirin
<i>Sedum dasyphyllum</i>	Thick-leaved Stonecrop	Pirin
<i>Sedum hispanicum</i>	Spanish Stonecrop (pink fls)	Rhodope Gorge
<i>Sedum ochroleucum</i>	Creamish Stonecrop	Rhodope area
<i>Sedum telephium</i>	Orpine	Pirin
<i>Sempervivum heuffelii</i>	a Houseleek	leaf rosettes and buds only
<i>Sempervivum marmoreum</i>	a Houseleek	leaf rosette only
Cucurbitaceae	White Bryony Family	
<i>Bryonia alba</i>	White Bryony	near Dospat
Eleagnaceae	Sea-buckthorn Family	
[<i>Elaeagnus angustifolia</i>]	Oleaster or Russian Olive	Bansko
Ericaceae	Heather Family	
<i>Moneses uniflora</i>	One-flowered Wintergreen	nr Pirin, roadside in forest
<i>Monotropa hypopitys</i>	Yellow Bird's-nest	Dospat, woods near hotel
<i>Orthilia secunda</i>	Nodding Wintergreen	Pirin
<i>Pyrola chlorantha</i>	Pale-green Wintergreen	Pirin woodlands by road
<i>Vaccinium myrtillus</i>	Bilberry	Pirin upland slopes
<i>Vaccinium vitis-idaea</i>	Cowberry	Pirin upland slopes
Euphorbiaceae	Spurge Family	
<i>Euphorbia amygdaloides</i>	Wood Spurge	widespread
<i>Euphorbia cyparissias</i>	Cypress Spurge	roadsides
<i>Euphorbia esula</i>	Leafy Spurge	Studena area
<i>Euphorbia helioscopia</i>	Sun Spurge	Bansko
<i>Euphorbia polychroma</i>	a spurge with hairy fruits	Day 7
<i>Euphorbia taurinensis</i> (+ <i>E. falcata</i>)	a small Spurge	nr Dospat
<i>Mercurialis perennis</i>	Dog's Mercury	scattered sites
Fagaceae	Beech Family	
<i>Fagus sylvatica</i>	Beech	widespread
<i>Quercus pubescens</i>	Downy Oak	widespread

Scientific Name	Common Name	Location
<i>Quercus rubra</i>	Red Oak	Bansko
<i>Quercus petraea</i>	Sessile Oak	Vitosha
Gentianaceae	Gentian Family	
<i>Centaurium erythraea</i>	Common Centaury	widespread in open areas
<i>Gentiana asclepiadea</i>	Willow-leaved Gentian	leaves only
<i>Gentiana cruciata</i>	Cross Gentian	Pirin
<i>Gentiana pyrenaica</i>	Pyrenean Gentian	Pirin
<i>Gentiana verna</i>	Spring Gentian	Pirin
Geraniaceae	Cranesbill Family	
<i>Erodium cicutarium</i>	Common Stork's-bill	widespread
<i>Geranium dissectum</i>	Cut-leaved Crane's-bill	roadsides and grassy areas
<i>Geranium macrorrhizum</i>	Rock Crane's-bill	Pirin woodlands by road
<i>Geranium molle</i>	Dove's-foot Crane's-bill	widespread
<i>Geranium palustre</i> (+ <i>G. reflexum</i>)	Marsh Crane's-bill	nr Rila Day 3
<i>Geranium pyrenaicum</i>	Hedgerow Crane's-bill	Pirin roadside
<i>Geranium robertianum</i>	Herb Robert	shady roadside areas
<i>Geranium reflexum</i>	pink with reflexed petals	Trigrad gorge
<i>Geranium sanguineum</i>	Bloody Crane's-bill	Golobardo
<i>Geranium sylvaticum</i>	Wood Crane's-bill	Pirin
Gesneriaceae	Pyrenean-violet Family	
<i>Haberlea rhodopensis</i>	-	Trigrad Gorge - by waterfalls
Grossulariaceae	Gooseberry Family	
<i>Ribes petraeum</i>	Rock Redcurrant	Pirin
<i>Ribes uva-crispa</i>	Gooseberry	scattered woodland sites
Hypericaceae	St. John's-wort Family	
<i>Hypericum perforatum</i>	Perforate St. John's-wort	Rhodope
<i>Hypericum rumeliacum</i>	-	Rhodope
<i>Hypericum montbretii</i>	-	Rhodope
Hydrangeaceae	Mock-orange Family	
[<i>Philadelphus coronarius</i>]	Mock-orange	Studena grounds
Lamiaceae	Dead-nettle Family	
<i>Acinos alpinus</i>	Alpine Calamint	Pirin
<i>Clinopodium acinos</i> (<i>Acinos arvensis</i>)	Basil Thyme	Golobardo and other sites
<i>Ajuga chamaepitys</i>	Ground Pine	picnic site nr Dospat
<i>Ajuga genevensis</i>	Blue Bugle	Pirin
<i>Ajuga laxmannii</i>	-	nr Dospat
<i>Ajuga reptans</i>	Bugle	scattered sites
<i>Ballota nigra</i>	Black Horehound	roadsides
<i>Calamintha sylvatica</i>	Wood Calamint	nr Dospat
<i>Clinopodium vulgare</i>	Wild Basil	widespread
<i>Lamium maculatum</i>	Spotted Dead-nettle	Dospat
<i>Lamium garganicum</i>	Large Red Dead-nettle	roadsides
<i>Leonurus cardiaca</i>	Motherwort	nr Dospat
<i>Lycopus europea</i>	Gypsywort	wet meadow nr Rila
<i>Marrubium vulgare</i>	White Horehound	Satovcha picnic site
<i>Melittis officinalis</i>	Lemon Balm	Bansko
<i>Mentha aquatica</i>	Water Mint	nr Rila
<i>Mentha longifolia</i>	Horse Mint	nr Rila
<i>Micromeria cristata</i>	-	rocky site nr Golo Bardo
<i>Nepeta nuda</i>	Hairless Catmint	rocky site nr Dospat
<i>Origanum vulgare</i>	Marjoram	widespread
<i>Prunella laciniata</i>	Cut-leaved Self-heal	Rhodope

Scientific Name	Common Name	Location
<i>Prunella vulgaris</i>	Self-heal	widespread
<i>Salvia amplexicaulis</i>	-	Bansko
<i>Salvia pratensis</i>	Meadow Clary	Golo Bardo
<i>Salvia verticillata</i>	Whorled Clary	picnic site nr Dospat
<i>Scutellaria altissima</i>	-	Pirin
<i>Sideritis montana</i>	Mountain Ironwort	Pirin
<i>Sideritis scardica*</i>	-	Pirin
<i>Stachys alpina</i>	Limestone Woundwort	nr Studena Lodge
<i>Stachys germanica</i>	Downy Woundwort	nr Studena Lodge
<i>Stachys officinalis</i>	Betony	nr Studena Lodge
<i>Stachys palustris</i>	Marsh Woundwort	nr Rila
<i>Stachys recta</i>	Yellow Woundwort	Studena
<i>Stachys sylvatica</i>	Hedge Woundwort	scattered sites
<i>Teucrium chamaedrys</i>	Wall Germander	Studena Lodge
<i>Teucrium montanum</i>	Mountain Germander	Pirin
<i>Teucrium polium</i> agg.	Felty Germander	Golobardo
<i>Thymus striatus</i>	Thyme	Golobardo
Leguminosae (Fabaceae)	Pea Family	
<i>Amorpha fruticosa</i>	Indigo Bush	invasive species - Golobardo
<i>Anthyllis vulneraria</i>	Common Kidney Vetch	many sites
<i>Anthyllis vulneraria</i> subsp. <i>aurea</i>	a "golden" Kidney vetch	Golobardo
<i>Astagalus depressus</i>	white flowered	Day 4
<i>Astragalus glycyphyllos</i>	Wild Liquorice	Bansko
<i>Astragalus monspessulanus</i>	False Vetch	with fruits
<i>Astragalus onobrychis</i>	-	Golobardo
<i>Chamaecytisus absinthoides</i>	-	Golobardo
<i>Colutea arborescens</i>	Bladder Senna	roadsides
<i>Coronilla scorpioides</i>	Annual Scorpion Vetch	nr Dospat
<i>Dorycnium herbaceum</i>	like small white clover	Studena
<i>Genista carinalis</i>	a very small species	Golobardo
<i>Genista depressa</i>	small, prostrate "greenweed"	Pirin
<i>Hippocrepis comosa</i>	Horseshoe Vetch	widespread
<i>Hippocrepis emerus</i> (<i>Coronilla</i> e.)	False Senna	roadsides
<i>Lathyrus nissolia</i>	Grass Vetchling	Bansko
<i>Lathyrus pancicii*</i>	a Marsh Pea	Rila wetland area
<i>Lathyrus pratensis</i>	Meadow Vetchling	grassy areas
<i>Lathyrus tuberosus</i>	Tuberous Pea	Bansko
<i>Lotus corniculatus</i>	Birdsfoot Trefoil	grassy areas
<i>Medicago lupulina</i>	Black Medick	Bansko
<i>Medicago falcata</i>	Sickle Medick	Bansko
<i>Medicago sativa</i>	Lucerne	cultivated areas
<i>Melilotus officinalis</i>	Ribbed Melilot	Bansko
<i>Onobrychis arenaria</i>	Small Sainfoin	Golobardo
<i>Ononis spinosa</i>	Spiny Restharrow	picnic site nr Dospat
[<i>Robinia pseudacacia</i>]	False Acacia	roadside planting
<i>Securigera varia</i> (<i>Coronilla</i> v.)	Crown Vetch	Studena
<i>Trifolium alpestre</i>	Mountain Zig-zag Clover	Pirin
<i>Trifolium arvense</i>	Haresfoot Clover	roadsides
<i>Trifolium aureum</i>	Large Hop Trefoil	Bansko
<i>Trifolium medium</i>	Zigzag Clover	Bansko
<i>Trifolium incarnatum</i>	Long-headed Clover	Bansko
<i>Trifolium montanum</i>	Mountain Clover	Pirin

Scientific Name	Common Name	Location
<i>Trifolium ochroleucum</i>	Sulphur Clover	picnic site nr Dospat
<i>Trifolium pratense</i>	Red Clover	widespread
<i>Trifolium repens</i>	White Clover	widespread
<i>Vicia cracca</i>	Tufted Vetch	scattered sites
<i>Vicia dalmatica</i>	a tall Vetch - blue/purple flowers	Day 2 and Day 6
<i>Vicia grandiflora</i>	a large yellow vetch	grassy sites
<i>Vicia hirsuta</i>	Hairy Tare	grassy areas
<i>Vicia sativa</i>	Common Vetch	grassy areas
<i>Vicia sepium</i>	Bush Vetch	scattered sites
Lentibulariaceae	Bladderwort Family	
<i>Pinguicula balcanica</i> *	Balkan Butterwort	Pirin mountain wet flushes
Linaceae	Flax Family	
<i>Linum austriacum</i>	a blue flax	Pirin
<i>Linum alpinum</i> "pirinicum)	a endemic flax	Pirin
<i>Linum capitatum</i>	Yellow Flax	roadsides
<i>Linum catharticum</i>	Purging Flax	Golobardo
<i>Linum tenuifolium</i>	a pale Flax	Golobardo
Lythraceae	Purple-loosestrife Family	
<i>Lythrum salicaria</i>	Purple-loosestrife	nr Rila
Malvaceae	Mallow Family	
<i>Althaea (pallida)</i>	wild Hollyhock	Rhodope area - roadsides
<i>Malva neglecta</i>	Dwarf Mallow	Studena
<i>Malva sylvestris</i>	Common Mallow	widespread
<i>Tilia cordata</i>	Small-leaved Lime	Rhodope
<i>Tilia platyphyllos</i>	Lime	Bansko - planted
<i>Tilia tomentosa</i>	Silver Lime	widely planted
Moraceae	Mulberry family	
<i>Morus nigra</i>	Black Mulberry	gardens, villages
Oleaceae	Ash Family	
<i>Fraxinus excelsior</i>	Ash	widespread
<i>Fraxinus ornus</i>	Flowering/Manna Ash	widespread
<i>Ligustrum vulgare</i>	Wild Privet	nr Dospat
<i>Syringa vulgaris</i>	Common Lilac	roadsides, village gardens
Onagraceae	Willowherb Family	
<i>Epilobium angustifolium</i>	Rosebay Willowherb	widely planted
<i>Epilobium dodonaei</i>	with fine leaves	Vitosha
<i>Epilobium hirsutum</i>	Greater Willowherb	Rhodope
Orobanchaceae	Broomrape Family	
<i>Bartsia alpina</i>	Alpine Bartsia	Pirin
<i>Euphrasia pectinata</i> ?	Eyebright	possibly this species - common
<i>Gratiola officinalis</i>	Common Hedge-hyssop	nr Rila in wet meadow
<i>Melampyrum arvense</i>	Field Cow-wheat	Vitosha
<i>Melampyrum sylvaticum</i>	Wood Cow-wheat	Vitosha
<i>Orobanche alba</i>	Thyme Broomrape	Golobardo
<i>Pedicularis orthantha</i>	a Lousewort - magenta flowers	Golobardo
<i>Rhinanthus javorkae</i>	A Hay Rattle	meadows nr Dospat
<i>Rhinanthus minor</i> agg. (in seed)	Yellow Rattle	meadows nr Dospat
<i>Rhinanthus rumelicus</i>	a Yellow Rattle	meadows nr Dospat
Oxalidaceae	Wood-sorrel Family	
<i>Oxalis acetosella</i>	Wood Sorrel	woods nr Studena
<i>Oxalis corniculata</i>	Yellow Oxalis	Bansko

Scientific Name	Common Name	Location
Papaveraceae	Poppy Family	
<i>Chelidonium majus</i>	Greater Celandine	Rhodope
<i>Fumaria officinalis</i>	Common Fumitory	cultivated areas
<i>Papaver dubium</i>	Long-headed Poppy	cultivated areas
<i>Papaver rhoeas</i>	Common Poppy	seen from bus - roadsides
Plantaginaceae	Plantain Family	
<i>Digitalis grandiflora (D.ambigua)</i>	Large Yellow Foxglove	Vitosha
<i>Digitalis lanata</i>	Woolly Foxglove	Golobardo, various sites
<i>Digitalis viridiflora</i>	Green-flowered Foxglove	roadside sites
<i>Globularia punctata</i>	Common Globularia	leaf rosettes only
<i>Linaria dalmatica</i>	a Balkan Toadflax	Satovcha picnic site
<i>Linaria genistifolia</i>	synonym for <i>L. dalmatica</i> ?	Golobardo
<i>Linaria vulgaris</i>	Common Toadflax	common on roadsides
<i>Plantago gentianoides</i>	a small Plantain	Bansko - waste ground
<i>Plantago lanceolata</i>	Ribwort Plantain	waste places
<i>Plantago major</i>	Greater Plantain	widespread
<i>Plantago media</i>	Hoary Plantain	Pirin area
<i>Plantago subulata</i>	a narrow-leaved Plantain	nr Dospat
<i>Veronica arvensis</i>	Wall Speedwell	Bansko
<i>Veronica beccabunga</i>	Brooklime	nr Rila
<i>Veronica bellidioides</i>	Violet Speedwell	Rhodope
<i>Veronica catenata</i>	Pink Water Speedwell	Pirin - riverside site
<i>Veronica kellereri</i>	a "spiked" Speedwell	Trigrad Gorge
<i>Veronica officinalis</i>	Heath Speedwell	scattered sites
[<i>Veronica persica</i>]	Common Field Speedwell	grassy areas
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	Bansko
<i>Veronica nummularioides</i>	form of <i>V. serpyllifolia</i>	Pirin mountain slopes
<i>Veronica spicata</i>	Spiked Speedwell	poss this species nr Dospat
<i>Veronica urticifolia</i>	Nettle-leaved Speedwell	Rhodope
Platanaceae	Plane Family	
<i>Platanus (orientalis)</i>	Plane Tree	Rila
Plumbaginaceae	Thrift Family	
<i>Armeria cariensis var. rumelica</i>	a local form of Thrift	picnic site nr Dospat
Polygalaceae	Milkwort Family	
<i>Polygala amara</i>	Bitter Milkwort	upland grassy areas
<i>Polygala amarella</i>	Dwarf/Kentish Milkwort	nr Dospat
<i>Polygala major</i>	Milkwort	grassy areas, Satovcha picnic site
Polygonaceae	Knotweed Family	
<i>Fallopia balcanica (+bohemica)</i>	an endemic Bindweed	Pirin
<i>Persicaria bistorta</i>	Bistort	streams on Pirin mountain
<i>Persicaria maculata</i>	Redshank	wet areas nr Rila
<i>Polygonum aviculare</i>	Knotgrass	Bansko
<i>Rumex acetosa</i>	Common Sorrel	grassy areas
<i>Rumex acetosella</i>	Sheep's Sorrel	Golobardo
<i>Rumex alpinus</i>	Monks Rhubarb	Pirin - wet flushes below lodge
<i>Rumex conglomeratus</i>	Clustered Dock	roadsides
<i>Rumex cristatus</i>	Curled Dock	roadsides
Primulaceae	Primrose Family	
<i>Anagallis arvensis (inc blue form)</i>	Scarlet Pimpernel	Bansko
<i>Androsace villosa</i>	Woolly Androsace	Pirin, scree slopes and stream side rocks
<i>Lysimachia punctata</i>	Spotted Loosestrife	wet areas nr Rila
<i>Lysimachia vulgaris</i>	Yellow Loosestrife	wet areas nr Rila

Scientific Name	Common Name	Location
<i>Primula elatior</i>	Oxlip	leaves only
<i>Primula farinosa</i>	Bird's-eye Primrose	Pirin
<i>Primula veris</i>	Cowslip	leaves only
<i>Soldanella pusilla</i>	Dwarf Snowbell	Pirin
Ranunculaceae		
<i>Aconitum lamarckii</i>	Yellow Monkshood	leaves and tight buds only
<i>Actaea spicata</i>	Baneberry	woods below Pirin
<i>Adonis aestivalis (prob vernalis)</i>	Summer Pheasants-eye	leaves only
<i>Anemone nemorosa</i>	Wood Anemone	leaves only, some seed heads
<i>Aquilegia aurea</i>	a golden Columbine	Pirin -on rocky slopes
<i>Aquilegia vulgaris</i>	Common Columbine	many sites
<i>Caltha palustris</i>	Marsh Marigold	wet flushes on Pirin mountain
<i>Clematis recta</i>	Erect Clematis	Bansko
<i>Clematis vitalba</i>	Travellers Joy	widespread
<i>Consolida regalis (+ C. hispanica)</i>	Forking Larkspur	waste places - 2 species found
<i>Hepatica nobilis</i>	Hepatica	leaves only
<i>Ranunculus arvensis</i>	Corn Buttercup	Bansko
<i>Ranunculus auricomus</i>	Goldilocks Buttercup	poss this species nr Pirin
<i>Ranunculus flammula</i>	Lesser Spearwort	nr Rila
<i>Ranunculus pseudomontanus (montanus)</i>	an upland Buttercup	Pirin
<i>Thalictrum aquilegifolium</i>	Great Meadow Rue	meadow nr Rila
<i>Thalictrum minus</i>	Lesser Meadow Rue	Pirin area
<i>Trollius europaeus</i>	Globeflower	meadows nr Rhodope
Resedaceae		
<i>Reseda lutea</i>	Wild Mignonette	widespread
<i>Reseda luteola</i>	Weld	dry areas, waste ground
Rosaceae		
<i>Amelanchier ovalis</i>	Snowy Mespilus	roadsides, rocky areas
<i>Agrimonia eupatoria</i>	Agrimony	Rhodope
<i>Alchemilla xanthochlora</i>	a Lady's Mantle	possibly this species
<i>Cotoneaster nebrodensis (or integerrimus)</i>	Cotoneaster	Golobardo area
<i>Crataegus monogyna</i>	Hawthorn	widespread
<i>Crataegus orientalis</i>	Oriental Hawthorn	Dospat area
<i>Filipendula ulmaria</i>	Meadowsweet	wet meadows, common
<i>Filipendula vulgaris</i>	Dropwort	dry areas nr Golobardo, Dospat
<i>Fragaria vesca</i>	Wild Strawberry	roadsides
<i>Fragaria viridis</i>	a "green" Strawberry	Pirin - roadsides
<i>Geum coccineum</i>	Red Avens	Vitosha, Pirin, damp areas
<i>Geum rivale</i>	Water Avens	Rila
<i>Geum urbanum</i>	Herb Bennet	roadsides
<i>Potentilla argentea</i>	Hoary Cinquefoil	Golobardo
<i>Potentilla cinerea</i>	Grey Cinquefoil	Rhodope
<i>Potentilla inclinata</i>	Ashy Cinquefoil	Pirin, dry areas
<i>Potentilla neglecta</i>	-	Rhodope
<i>Potentilla ternata</i>	orange base to petals	Pirin
<i>Potentilla reptans</i>	Creeping Cinquefoil	widespread
<i>Prunus cerasifera</i>	Cherry Plum	roadsides, villages
<i>Prunus spinosa</i>	Blackthorn	common on roadsides
<i>Prunus avium</i>	Wild Cherry or Gean	common
<i>Rosa agrestis</i>	Field Briar	possibly this species
<i>Rosa canina</i>	Dog Rose	widespread
<i>Rosa pendulina</i>	Alpine Rose	Pirin and Rhodope

Scientific Name	Common Name	Location
<i>Rosa spinosissima</i> (<i>R. pimpinellifolia</i>)	Burnet Rose	Golobardo
<i>Rubus caesius</i>	Dewberry	widespread
<i>Rubus candicans</i> and <i>Rubus sancta</i>	Brambles	scattered sites
<i>Rubus idaeus</i>	Raspberry	Vitosha
<i>Sanguisorba minor</i>	Salad Burnet	leaves only
<i>Sorbus aucuparia</i>	Rowan	roadsides
<i>Sorbus graeca</i>	-	woods near Pirin mountain
<i>Sorbus torminalis</i>	Wild Service Tree	Dospat area
<i>Spiraea salicifolia</i>	Bridewort	Studena
Rubiaceae	Bedstraw Family	
<i>Asperula cynanchica</i>	Squinancywort	Golobardo
<i>Asperula aristata</i> (+ <i>purpurea</i>)		Rhodope
<i>Cruciata glabra</i>	-	roadside sites
<i>Cruciata laevipes</i>	Crosswort	grassy areas, common
<i>Galium anisophyllum</i>	-	Bansko
<i>Galium aparine</i>	Common Cleavers	Bansko
<i>Galium mollugo</i>	Hedge Bedstraw	common
<i>Galium odoratum</i>	Woodruff	woods nr Dospat
<i>Galium rotundifolium</i>	-	Golobardo
<i>Galium verum</i>	Lady's Bedstraw	picnic site nr Dospat
<i>Sherardia arvensis</i>	Field Madder	grassy areas - nr Dospat
Salicaceae	Willow Family	
<i>Populus tremula</i>	Aspen	common
<i>Salix alba</i>	White Willow	nr Rila
<i>Salix caprea</i>	Goat Willow	nr Dospat
<i>Salix x fragilis</i>	Crack Willow	common
Santalaceae	Bastard Toadflax Family	
<i>Thesium bavarum</i>	Bavarian Bastard Toadflax	Pirin, scarce
<i>Thesium alpina</i>	an upland Bastard Toadflax	Pirin, rocks near the path
Sapindaceae	Maple Family	
<i>Acer hyrcanum</i>	Balkan Maple	showy tree on some roadsides
<i>Acer platanoides</i>	Norway Maple	Vitosha
<i>Acer pseudoplatanus</i>	Sycamore	quite common
<i>Acer tataricum</i>	Tartar Maple	Vitosha
Saxifragaceae	Saxifrage Family	
<i>Saxifraga luteoviridis</i> (<i>S. corymbosa</i>)	yellow flowers	rock climbing site nr Pirin
<i>Saxifraga paniculata</i>	Livelong Saxifrage	gone over, Pirin
<i>Saxifraga pedemontana</i>	Piedmont Saxifrage	Pirin
<i>Saxifraga rotundifolia</i>	Round-leaved Saxifrage	Pirin, Rhodope
<i>Saxifraga sempervivum</i>	thick basal leaves	Pirin, gone over
<i>Saxifraga stellaris</i>	Starry Saxifrage	Pirin, Vitosha
Scrophulariaceae	Figwort Family	
<i>Scrophularia canina</i>	Alpine Figwort	Pirin
<i>Scrophularia nodosa</i>	Common Figwort	Dospat
<i>Scrophularia scopolii</i>	Italian Figwort	Rhodope
<i>Verbascum blattaria</i>	Moth Mullein	Rhodope
<i>Verbascum davidoffii</i> *	a tall Mullein	Bansko
<i>Verbascum densiflorum</i>	Dense-flowered Mullein	Bansko
<i>Verbascum longifolium</i>	a long-leaved Mullein	Bansko
<i>Verbascum nigrum</i> (<i>abietinum</i>)	a Dark Mullein	roadsides, quite common
<i>Verbascum speciosum</i>	-	very common in places
Solanaceae	Nightshade Family	

Scientific Name	Common Name	Location
<i>Hyoscyamus niger</i>	Henbane	waste ground nr Bansko
<i>Solanum dulcamara</i>	Bittersweet	grassy areas
Thymelaeaceae	Mezereon Family	
<i>Daphne cneorum</i>	Garland Flower	Pirin
<i>Daphne mezereum</i>	Mezereon	leaves only
<i>Daphne oleoides</i>	-	roadsides nr Pirin
<i>Thymelaea (passerina)</i>		Rhodope
Ulmaceae	Elm Family	
<i>Ulmus minor</i>	Small-leaved Elm	widespread
Urticaceae	Nettle Family	
<i>Urtica dioica</i>	Stinging Nettle	widespread in cultivated areas
Verbenaceae	Verbena Family	
<i>Verbena officinalis</i>	Vervain	Bansko - building plot
Violaceae	Violet family	
<i>Viola arvensis</i>	Field Pansy	nr Dospat
<i>Viola biflora</i>	Yellow Wood Violet	Pirin
<i>Viola orbelica*</i>	-	Pirin
<i>Viola tricolor</i>	Heartsease	picnic site nr Dospat
MONOCOTS	Monocotyledons	
Amaryllidaceae	Daffodil Family	
<i>Allium carinatum</i>	Keeled Garlic	Studena
<i>Allium albidum</i>	-	Golobardo
<i>Allium vineale</i>	Crow Garlic	common in grassy areas
Asparagaceae	Asparagus Family	
<i>Anthericum liliago (ramosum)</i>	St Bernard's Lily	Dospat
<i>Leopoldia (Muscari) comosum</i>	Tassel Hyacinth	picnic site nr Dospat
<i>Muscari tenuiflorum</i>	a Tassel Hyacinth	picnic site nr Dospat
<i>Ornithogalum comosum</i>	a Star of Bethlehem	Golobardo
<i>Polygonatum odoratum</i>	a Solomon's-seal	woods and shady verges
<i>Polygonatum verticillatum</i>	Whorled Solomon's-seal	nr Dospat
<i>Scilla bifolia</i>	Alpine Squill	Pirin, grassy areas near snow melt
Cyperaceae	Sedge Family	
<i>Blysmus compressus</i>	Flat Sedge	Pirin
<i>Carex caryophyllea</i>	Spring Sedge	Golobardo area
<i>Carex echinata</i>	Star Sedge	Golobardo
<i>Carex nigra</i>	Common Sedge	widespread
<i>Carex riparia</i>	Greater Pond Sedge	nr Rila
<i>Carex sylvatica</i>	Wood Sedge	Vitosha
<i>Carex vulpina (or otrubae?)</i>	True Fox Sedge	meadow nr Dospat
<i>Eleocharis palustris</i>	Common Spike-rush	Pirin, wet flushes near path
<i>Eriophorum latifolium</i>	Broad-leaved Cotton-grass	common in Pirin wet areas
<i>Scirpus sylvaticus</i>	Wood Club-rush	Pirin
Dioscoreaceae	Black Bryony Family	
<i>Tamus communis</i>	Black Bryony	Bansko
Iridaceae	Iris Family	
<i>Crocus veluchensis</i>	-	snowy slopes on Pirin
<i>Gladiolus palustris</i>	-	nr Rila
<i>Iris reichenbachii</i>	-	stony slopes on road to Pirin
Juncaceae	Rush Family	
<i>Juncus articulatus</i>	Jointed Rush	wet meadows, common
<i>Juncus bufonius</i> agg.	Toad Rush	tracks on way to Pirin hut
<i>Juncus effusus</i>	Soft Rush	common in wetter areas

Scientific Name	Common Name	Location
<i>Juncus inflexus</i>	Hard Rush	widespread
<i>Juncus trifidus</i>	Three-leaved Rush	Pirin
<i>Luzula forsteri</i>	Southern Wood-rush	Pirin
<i>Luzula luzuloides</i>	White Wood Rush	Trigrad Gorge
<i>Luzula sylvatica</i>	Great Wood-rush	Trigrad Gorge
Liliaceae	Lily Family	
<i>Lilium martagon</i>	Martagon Lily	Trigrad Gorge
<i>Gagea fistulosa</i>	a Yellow Star-of-Bethlehem	Trigrad Gorge
Melanthiaceae	Herb-Paris Family	
<i>Paris quadrifolia</i>	Herb-Paris	Pirin, woodland near ski slopes
<i>Veratrum album (lobelianum)</i>	White False-helleborine	Pirin mountain slopes
Orchidaceae	Orchid Family	
<i>Anacamptis (Orchis) coriophora</i>	Bug Orchid	abundant at Satovcha and Dospot area
<i>Anacamptis palustris</i> subsp. <i>elegans</i>	a tall Marsh Orchid	mostly over, nr Dospat
<i>Anacamptis pyramidalis</i>	Pyramidal Orchid	Rhodope, Dospat
<i>Cephalanthera rubra</i>	Red Helleborine	roadside site nr Golobardo
<i>Corallorhiza trifida</i>	Coral Root	seed heads only
<i>Dactylorhiza baumanniana</i>	Bauman's Orchid	Vitoshka, Pirin, Dospat
<i>Dactylorhiza cordigera</i>	Heart-shaped Marsh Orchid	roadsides nr Pirin
<i>Dactylorhiza incarnata</i> agg.	Early Marsh Orchid	wet meadow nr Dospat
<i>Dactylorhiza saccifera</i>	Wedge-lipped Orchid	roadsides nr Pirin
<i>Dactylorhiza sambucina</i>	Elder-flowered Orchid	nr Pirin Mountain Lodge
<i>Dactylorhiza (Coeloglossum) viride</i>	Frog Orchid	Pirin, and Trigrad Gorge
<i>Epipactis helleborine</i>	Broad leaved Helleborine	in tight bud, no flowers
<i>Epipactis palustris</i>	Marsh Helleborine	wet meadow nr Rila
<i>Gymnadenia conopsea</i> agg.	Fragrant Orchid	picnic site nr Dospat
<i>Gymnadenia frivaldii</i>	Frivald's Orchid	wet flushes on Pirin mountain
<i>Himantoglossum caprinum (jankae)</i>	Balkan Lizard Orchid	Golobardo slopes
<i>Limodorum abortivum</i>	Violet Limodore	nr Dospat, woods near hotel
<i>Neotinea ustulata</i>	Burnt Orchid	Satovcha picnic site
<i>Neottia nidus-avis</i>	Bird's Nest Orchid	nr Pirin and Dospat
<i>Neottia ovata</i>	Twayblade	Pirin roadsides
<i>Orchis purpurea</i>	Lady Orchid	1 plant on Pirin mountain roadside
<i>Platanthera chlorantha</i>	Greater Butterfly Orchid	woods near Dospat Hotel site
<i>Anacamptis morio x coriophora</i>	a hybrid	wet meadow nr Dospat hotel site
Poaceae	Grass Family	
<i>Aegilops geniculata</i>	Ovate Goat Grass	dry grassy areas
<i>Agrostis capillaris</i>	Common Bent	common
<i>Aira elegantissima</i>	Delicate Hair Grass	Golobardo
<i>Anthoxanthemum odoratum</i>	Sweet Vernal Grass	Common
<i>Arrhenatherum elatius</i>	False Oat-grass	roadsides, common
<i>Brachypodium sylvaticum</i>	False Brome	common
<i>Briza media</i>	Quaking Grass	Satovcha picnic site
<i>Bromus inermis</i>	Hungarian Brome	common
<i>Bromus hordaceus</i> agg.	Soft Brome	common
<i>Chrysopogon gryllus</i>	a "Bunch Grass"	Rhodope
<i>Cynodon dactylon</i>	Bermuda Grass	Bansko
<i>Cynosurus cristatus</i>	Crested Dogstail	common
<i>Cynosurus echinatus</i>	Rough Dogstail	Golobardo
<i>Dactylis glomerata</i>	Cocksfoot	common
<i>Holcus lanatus</i>	Yorkshire Fog	common
<i>Hordeum murinum</i>	Wall Barley	Bansko

Scientific Name	Common Name	Location
<i>Melica ciliata</i>	Ciliate Melick	Pirin
<i>Melica uniflora</i>	Wood Melick	Pirin
<i>Melica nutans</i>	Mountain Melick	Pirin - rocks near tarn
<i>Nardus stricta</i>	Mat Grass	Pirin - near snow melt sites
<i>Phleum alpinum</i>	Alpine Catstail	Pirin - near picnic area
<i>Phleum pratense</i>	Timothy	common
<i>Poa compressa</i>	Flattened Meadow Grass	Bansko
<i>Poa annua</i>	Annual Meadow Grass	Bansko
<i>Poa pratensis</i>	Smooth Meadow Grass	nr Dospat
<i>Secale rhodopaeum</i> *	an endemic Rye-grass	Trigrad Gorge (RDB species)
<i>Stipa pennata</i>	Needle Grass	Golobardo area
Typhaceae	Reedmace Family	
<i>Sparganium erectum</i>	Branched Bur-reed	ponds near Satovcha picnic site
<i>Typha latifolia</i>	Reedmace	ponds near Satovcha picnic site
Xanthorrhoeaceae	Asphodel Family	
<i>Asphodelus taurica</i>	a White Asphodel	seed heads only, Golobardo
<i>Asphodeline lutea</i>	a Yellow Asphodel	seed heads only, Golobardo

Birds (✓=recorded but not counted; H = heard only)

	Common name	Scientific name	June							
			15	16	17	18	19	20	21	22
1	Common Quail	<i>Coturnix coturnix</i>						✓		
2	Mallard	<i>Anas platyrhynchos</i>							✓	
3	Common Swift	<i>Apus apus</i>			✓	✓	✓	✓	✓	✓
4	Pallid Swift	<i>Apus pallidus</i>							✓	✓
5	Common Cuckoo	<i>Cuculus canorus</i>		H	✓				H	
6	Common Wood Pigeon	<i>Columba palumbus</i>		1	✓			✓	✓	✓
7	European Turtle Dove	<i>Streptopelia turtur</i>			H			H		
8	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	1	1	✓			✓	✓	✓
9	White Stork	<i>Ciconia ciconia</i>	1	1	✓	✓		✓		✓
10	Great Cormorant	<i>Phalacrocorax carbo</i>			✓					
11	Grey Heron	<i>Ardea cinerea</i>			✓					
12	Common Buzzard	<i>Buteo buteo</i>		3	✓			✓		✓
13	European Bee-eater	<i>Merops apiaster</i>		H	H					
14	Great Spotted Woodpecker	<i>Dendrocopos major</i>			?		✓	✓		
15	European Green Woodpecker	<i>Picus viridis</i>		1					✓	✓
16	Common Kestrel	<i>Falco tinnunculus</i>	1	1	✓					✓
17	Red-backed Shrike	<i>Lanius collurio</i>						✓	✓	
18	Eurasian Golden Oriole	<i>Oriolus oriolus</i>			✓			✓		
19	Eurasian Jay	<i>Garrulus glandarius</i>							✓	✓
20	Eurasian Magpie	<i>Pica pica</i>	1	1	✓		✓			✓
21	Spotted Nutcracker	<i>Nucifraga caryocatactes</i>	1			✓	✓		✓	✓
22	Hooded Crow	<i>Corvus cornix</i>		✓				✓		✓
23	Northern Raven	<i>Corvus corax</i>							✓	✓
24	Sombre Tit	<i>Poecile lugubris</i>				✓				
25	Great Tit	<i>Parus major</i>		1		✓		✓		✓
26	Woodlark	<i>Lullula arborea</i>				✓				
27	Eurasian Skylark	<i>Alauda arvensis</i>		✓		✓				
28	Crested Lark	<i>Galerida cristata</i>				✓				
29	Barn Swallow	<i>Hirundo rustica</i>		✓		✓		✓	✓	✓
30	Eurasian Crag Martin	<i>Hirundo rupestris</i>				✓		✓	✓	✓

	Common name	Scientific name	June							
			15	16	17	18	19	20	21	22
31	Common House Martin	<i>Delichon urbicum</i>	✓	✓		✓	✓	✓	✓	✓
32	Red-rumped Swallow	<i>Cecropis daurica</i>						✓	✓	
33	Common Chiffchaff	<i>Phylloscopus collybita</i>		✓		✓	✓			
34	Eurasian Blackcap	<i>Sylvia atricapilla</i>				✓		✓	✓	
35	Common Whitethroat	<i>Sylvia communis</i>		1		✓				
36	Goldcrest	<i>Regulus regulus</i>				✓				
37	Eurasian Wren	<i>Troglodytes troglodytes</i>						✓	✓	
38	Common Starling	<i>Sturnus vulgaris</i>	✓	✓	✓	✓	✓	✓	✓	✓
39	Ring Ouzel	<i>Turdus torquatus</i>	2							
40	Common Blackbird	<i>Turdus merula</i>		✓	✓	✓		✓	✓	✓
41	Song Thrush	<i>Turdus philomelos</i>		✓		✓			✓	✓
42	European Robin	<i>Erithacus rubecula</i>	1							
43	Common Nightingale	<i>Luscinia megarhynchos</i>		✓	✓					
44	Black Redstart	<i>Phoenicurus ochruros</i>			✓	✓	✓	✓		
45	Common Redstart	<i>Phoenicurus phoenicurus</i>					✓			
46	White-throated Dipper	<i>Cinclus cinclus</i>				✓			✓	
47	House Sparrow	<i>Passer domesticus</i>		✓	✓	✓	✓	✓	✓	✓
48	Spanish Sparrow	<i>Passer hispaniolensis</i>		1				✓		
49	Eurasian Tree Sparrow	<i>Passer montanus</i>		✓						
50	Alpine Accentor	<i>Prunella collaris</i>					✓			
51	Dunnock	<i>Prunella modularis</i>					✓		✓	
52	Grey Wagtail	<i>Motacilla cinerea</i>	1			✓	✓		✓	✓
53	White Wagtail	<i>Motacilla alba</i>			✓	✓		✓	✓	✓
54	Common Chaffinch	<i>Fringilla coelebs</i>	1	1		✓	✓	✓	✓	✓
55	Eurasian Bullfinch	<i>Pyrrhula pyrrhula</i>				✓	✓			
56	European Greenfinch	<i>Chloris chloris</i>		✓						
57	Common Linnet	<i>Linaria cannabina</i>					✓			
58	Red Crossbill	<i>Loxia curvirostra</i>					✓			
59	European Goldfinch	<i>Carduelis carduelis</i>				✓	✓	✓		
60	Corn Bunting	<i>Emberiza calandra</i>			✓			✓		
61	Yellowhammer	<i>Emberiza citrinella</i>		✓				✓		

Mammals (D = Dead)

1	European Mole	<i>Talpa europaea</i>		✓						
2	Red Fox	<i>Vulpes vulpes</i>							✓	
3	European Polecat	<i>Mustela putorius</i>								D
4	Stoat	<i>Mustela erminea</i>								D
5	Alpine Chamois	<i>Rupicapra rupicapra</i>					✓			
6	Red Squirrel	<i>Sciurus vulgaris</i>					✓			D
7	Brown Hare	<i>Lepus europaeus</i>				✓				
8	Hedgehog	<i>Erinaceus europaeus</i>						✓		
9	Roe Deer	<i>Capreolus capreolus</i>							2	

Amphibians & Reptiles

1	Common Frog	<i>Rana temporaria</i>					✓			
2	Common Toad	<i>Bufo bufo</i>			✓	✓				
3	Eastern Green Lizard	<i>Lacerta viridis</i>		✓						
4	Common Wall Lizard	<i>Podarcis muralis</i>				✓				
5	Common Lizard	<i>Zootoca (Lacerta) vivipara</i>		✓						
6	Slow Worm	<i>Anguis fragilis</i>			✓				✓	

	Common name	Scientific name	June							
			15	16	17	18	19	20	21	22
7	Smooth Snake	<i>Coronella austriaca</i>				✓				

Fish

1	Brown Trout	<i>Salmo trutta</i>								✓
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Butterflies

1	Swallowtail	<i>Papilio machaon</i>		1						
2	Scarce Swallowtail	<i>Iphiclides podalirius</i>		1						
3	Black-veined White	<i>Aporia crataegi</i>		1	✓					
4	Large White	<i>Pieris brassicae</i>			✓					
5	Small Bath White	<i>Pontia chloridice</i>						✓		
6	Orange Tip	<i>Anthocharis cardamines</i>							✓	
7	Danube Clouded Yellow	<i>Colias myrmidone</i>							✓	
8	Pale Clouded Yellow	<i>Colias hyale</i>				✓				
9	Clouded Yellow	<i>Colias croceus</i>		1						
10	Wood White	<i>Leptidea sp.</i>				✓		✓	✓	
11	Ilex Hairstreak	<i>Satyrium ilicis</i>			✓					
12	Blue-spot Hairstreak	<i>Satyrium spini</i>								
13	White-letter Hairstreak	<i>Satyrium w-album</i>			✓					
14	Scarce Copper	<i>Lycaena virgaureae</i>						✓		
15	Balkan Copper	<i>Lycaena candens</i>						✓		
16	Little Blue	<i>Cupido minimus</i>							✓	
17	Green-underside Blue	<i>Glaucopsyche alexis</i>		1						
18	Idas Blue	<i>Plebejus idas</i>							✓	
19	Silver-studded Blue	<i>Plebejus argus</i>							✓	
20	Brown Argus	<i>Aricia agestis</i>		1	✓			✓	✓	
21	Adonis Blue	<i>Polyommatus bellargus</i>		1						
22	Common Blue	<i>Polyommatus icarus</i>						✓		
23	White Admiral	<i>Limenitis camilla</i>	1	1	✓					
24	Large Tortoiseshell	<i>Nymphalis polychloros</i>			✓					
25	Camberwell Beauty	<i>Nymphalis antiopa</i>			✓					
26	Peacock	<i>Inachis io</i>			1					
27	Painted Lady	<i>Vanessa cardui</i>	1	1	✓	✓	✓	✓	✓	✓
28	Small Tortoiseshell	<i>Aglais urticae</i>				✓	✓			
29	Comma Butterfly	<i>Polygonia c-album</i>			✓					
30	Pearl-bordered Fritillary	<i>Boloria (Clossiana) euphrosyne</i>				✓				
31	Glanville Fritillary	<i>Melitaea cinxia</i>					✓			
32	Balkan Marbled White	<i>Melanargia larissa</i>				✓				
33	Woodland Ringlet	<i>Erebia medusa</i>							✓	
34	Meadow Brown	<i>Maniola jurtina</i>		1						
35	Gatekeeper	<i>Pyronia tithonus</i>						✓		
36	Small Heath	<i>Coenonympha pamphilus</i>		1	✓			✓	✓	
37	Pearly Heath	<i>Coenonympha arcania</i>		2						
38	Speckled Wood	<i>Pararge aegeria</i>	1	1						
39	Northern Wall Brown	<i>Lasiommata petropolitana</i>				✓				
40	Grizzled Skipper	<i>Pyrgus malvae</i>		?		✓		✓	✓	
41	Dingy Skipper	<i>Erynnis tages</i>			✓	✓				
42	Small Skipper	<i>Thymelicus sylvestris</i>						✓	✓	

	Common name	Scientific name	June								
			15	16	17	18	19	20	21	22	

Micro Moths

1	White Plume	<i>Pterophorus pentadactyla</i>			1					✓	
2	Diamond-back Moth	<i>Plutella xylostella</i>				✓					
3	Purple-and-gold Moth	<i>Pyrausta purpuralis</i>			✓						

Macro Moths (L = Larvae)

4	Forester sp	-		1							
5	A Burnet (5-spot)	<i>Zygaena ephialtes</i>		✓							
6	A Burnet	<i>Zygaena loniceræ</i>		✓	✓			✓	✓		
7	Transparent Burnet	<i>Zygaena purpuralis</i>							✓		
8	Chimney Sweeper	<i>Odezia atrata</i>		1						1	
9	Latticed Heath Moth	<i>Semiothisa clathrata</i>		1						✓	
10	Riband Wave	<i>Idaea aversata</i>				✓					
11	(Red) Twin-spot Carpet	<i>Xanthorhoe (spadicearia)</i>				✓					
12	Barred Red	<i>Hylaea fasciaria</i>						✓			
13	Speckled Yellow	<i>Pseudopanthera macularia</i>		✓		✓					
14	Mottled Beauty	<i>Alcis repandata</i>								✓	✓
15	Common Heath	<i>Ematurga atomaria</i>		✓		✓					
16	July Belle	<i>Scotopteryx luridata</i>				✓					
17	Black-veined moth	<i>Siona lineata</i>		✓					✓		
18	Hummingbird Hawk-moth	<i>Macroglossum stellatarum</i>		1							
19	Yellow-tailed Moth	<i>Euproctis similis</i>							L		
20	Silver-Y	<i>Autographa gamma</i>							✓		
21	Shoulder-striped Wainscot	<i>Leucania comma</i>								✓	✓
22	Burnet Companion	<i>Euclidia glyphica</i>					✓		✓		

Other Invertebrates

1	Stonefly sp.	<i>Plecoptera</i> sp.								✓	
2	Speckled Bush-cricket	<i>Leptophyes punctatissima</i>							✓	✓	
3	Praying Mantis	<i>Mantis religiosa</i> (nymphs & eggs)			✓						
4	a Shieldbug	<i>Sehirus dubius</i>			✓						
5	a Shieldbug	<i>Graphosoma lineatum</i> (<i>G. italicum</i>)		1					✓	✓	
6	Common Pondskater	<i>Gerris lacustris</i>								?	
7	Red & Black Froghopper	<i>Cercopsis vulnerata</i>							?	?	
8	Mosquito sp!	<i>Culicidae</i> sp.							✓	✓	
9	Bluebottle Fly	<i>Calliphora vomitoria</i>								✓	
10	a large House Fly	<i>Mesembrina mystacea</i>							✓		
11	Figwort Sawfly	<i>Tenthredo scrophulariae</i>				✓					
12	Robin's Pincushion gall	<i>Diplolepis rosae</i>								✓	
13	Large Wood Ant	<i>Formica</i> sp.								✓	
14	Honey Bee	<i>Apis mellifera</i>			✓						
15	Digger Wasp	<i>Nysson</i> sp						✓			
16	(Green) Tiger Beetle	<i>Cicendela (campestris)</i>		✓				✓			
17	a Ground Beetle	<i>Carabus coriaceus</i>			?						
18	Garden Chafer	<i>Phyllopertha horticola</i> (green)		2							
19	Seven-spot Ladybird	<i>Coccinella septempunctata</i>		1				✓		✓	
20	Two-spot Ladybird	<i>Adalia bipunctata</i>		1						✓	
21	Rainbow Leaf-beetle	<i>Cnrysolina cerealis</i>								✓	
22	Colorado Beetle	<i>Leptinotarsa decemlineata</i>							✓		

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23	Leaf Beetle	<i>Chrysolina varians</i>						?		
24	Diving Beetle	<i>Dytiscus</i> sp.								
25	(Sombre) Goldenring	<i>Cordulegaster (bidentata)</i>							✓	
26	a Darter	<i>Sympetrum</i> sp.				✓	✓			
27	Demoiselle damselfly sp	<i>Calopteryx virgo?</i>								
28	large millipede sp.	<i>Schizophyllum</i> sp.						1		
29	Orb-web Spider	<i>Araneus</i> sp.								
30	Green Huntsman Spider	<i>Micrommata virescens</i>								
31	Crab Spider									
32	Nursery-web Spider	<i>Pisaura mirabilis</i>								

Molluscs

1	Large Black Slug	<i>Arion ater</i>				✓				
2	Roman or Edible Snail	<i>Helix pomatia</i>				✓	✓		✓	
3	Amber Snail	<i>Succinea putris</i>			✓					



Balkan Copper butterflies



Building plot in Bansko



Swifts around the tower of Bansko Church