

# Romania – The Wildlife of Transylvania

Naturetrek Tour Report

23 - 30 May 2009

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Wallcreeper at Zarnesti Gorge



Fire Salamander at Sinca Valley



Nutcracker at Diana Meadows in Coltii Chilieii



Brown Bear at Sinca Valley

Report compiled by Alan Outen  
Images courtesy of Dave Hilliard



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   Simona Bureta                (Local Guide)

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   Katrina Slocombe  
   Richard O'Brien  
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   Steve Gilliard  
   Jane Gilliard  
   Jack Haywood  
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   Dave Hilliard  
   Sandra Hilliard  
   Peter Mynott  
   Pam Mynott  
   Sheila Doel  
   Mike Ronald  
   Fran Ronald

## Day 1

**Saturday 23rd May**

After an early morning flight from Heathrow we arrived at Bucharest twenty-five minutes early. With all luggage safely reclaimed we emerged from the airport into warm bright sunshine to be met by Simona our local ground agent and guide. Our bus journey took us through the outskirts of Bucharest, north-west across flat agricultural plains and then up into the mountains. After a brief stop for fuel, which also produced a Crested Lark we drove on for a couple of hours before stopping again for twenty minutes to stretch our legs and see White Storks on their nest. By the roadside here, among many familiar British plants, we also found Dyer's Alkanet (*Alkanna tinctoria* (= *lebmanii*)) and Italian Figwort (*Scrophularia scopolii*).

Driving on we passed through the town of Zarnesti and then took the road up the hillside to the village of Magura and our guesthouse in magnificent surroundings. With rooms sorted and following some light refreshments, there was time for some local exploration before dinner. Green-winged Orchids, Bladder Gentian and Bitter Milkwort were all within the Guesthouse compound and with wonderful flower-rich meadows on our doorstep there were also plenty of insects to identify. Lists of what we had already seen and an introductory briefing preceded an excellent dinner at which we were joined by our bird guide, Istvan. After dinner most of the group were happy to retire to their rooms at 9pm (only 7pm UK time!) after what had already been a long day.

## Day 2

**Sunday 24th May**

An early morning walk before breakfast gave us our first sightings of Red-backed Shrike, Alpine Swifts and Redstart whilst Cuckoos, Tree Pipit, Rock Bunting and Black Woodpecker were heard and *Iris aphylla* was seen through binoculars across the gorge.

After a good breakfast we boarded horse drawn carts which took us down the hillside to the Zarnesti Gorge in the Piatra Craiului National Park. Arriving at the gorge we began our walk. The flora included Alternate-leaved Golden Saxifrage, Alpine Bells (*Cortusa matthiola*), *Soldanella hungarica*, *Pulmonaria filarskyana*, *Symphytum cordatum* and a rich diversity of ferns. Insects were abundant and also very diverse, with highlights including Speckled Yellow Moth, Field Cricket, Colorado Beetle, Oil Beetle (*Meloe proscarabaeus*), the flower chafer species (*Oxythyrea funesta*), Velvet Ant (*Mutilla europaea*), and thirteen species of butterflies of which the most notable were Mountain Green-veined White, Woodland Ringlet and both Dark Green and Small Pearl-bordered Fritillaries. Birds seen here during the day included Peregrine Falcon, Black Woodpecker, Red-breasted Flycatcher, Serin, Hawfinch and Golden Oriole. For many though the highlight was a male Wallcreeper observed at length at close range and much photographed on the cliff face directly in front of our picnic stop. Later another was observed at a different spot and also heard singing. Warm, dry weather and spectacular scenery were also greatly appreciated. With everyone well satisfied we returned to our waiting horse and cart transport and made our way slowly back up to our hillside. Many of the group walked at times to enjoy the plants and relieve the load on the horses. After dinner and completion of the lists Istvan and a few enthusiasts went to look for owls, though unsuccessfully.

### Day 3

Monday 25th May

Probably the highlights of the pre-breakfast walk today were good views of both Roe Deer and Chamois. A crab spider species (*Misumenia vatia*) also attracted much attention however. Among the birds were Red-backed Shrike, Redstart, Black Redstart, Serin, Bullfinch, Fieldfare, Yellowhammer, Chiffchaff and White Wagtail, many of these regular sightings here during the week.

After breakfast we boarded two small coaches and made our way down the hillside, stopping at the bottom for excellent views of Dipper and Grey Wagtail. Driving on, our destination today was the Diana Meadows at Coltii Chilieii. After some initial confusion between the two coaches we eventually all arrived at the same point to begin our walk. We had not gone very far when Istvan alerted us to the call of a Garden Warbler and then a Rosefinch. Buzzards wheeled overhead whilst at lower levels insects were again abundant including several day-flying moth species, among them Latticed Heath, Speckled Yellow and Sandy Carpet. Plants included Winged Broom (*Chamaespartium sagittale*), *Melampyrum nemorosum*, Great Masterwort (*Astrantia major*), Globeflower, Large Yellow Foxglove *Digitalis ambigua* (= *grandiflora*) and three species of Orchid. Twayblade and Fragrant Orchid were easily identified but the *Dactylorhiza* marsh orchid species was more problematical as it did not fit well to any of the species though perhaps closest to *D. cordigera*.

After walking for nearly three hours we found Simona and her mother awaiting us with a welcome picnic lunch, having driven up the other track. The picnic site proved very productive with Nutcracker, Firecrest, Sand Lizards, Yellow-bellied Toads, and one of the largest European weevil species, the Pine Weevil (*Hylobius abietis*), all causing temporary breaks in our lunch.

Once this was completed we walked on, with the distance optional before people eventually turned back and made their way back the way we had come. Spring Gentian (*G. verna*), Cross Gentian (*G. cruciata*) Scented Solomons Seal (*Polygonatum verticillatum*), Narrow-leaved Bittercress (*Cardamine impatiens*), Lesser Butterfly Orchid, Bird's-nest Orchid and Limestone Fern (*Gymnocarpium robertianum*) were among the plants added to the day's list whilst an attractive toadstool species *Mycena renati*, a rare species in Britain was another good find.

Other birds seen during the day included Honey Buzzard, Tree Pipit, both Collared and Red-breasted Flycatcher and Hawfinch. Back at the Guesthouse we enjoyed another excellent dinner and completed the day's species lists.

## Day 4

Tuesday 26th May

The pre-breakfast walk again produced most of the usual bird species and also more Chamois. After breakfast we boarded our buses and headed for the Narcissus Forest and meadows of Poina Vadului. After impromptu stop for Lesser Spotted Eagle we arrived at the meadows. The rich flora in the meadows included *Erigeron annuus*, *Potentilla collina* and *Euphorbia esula*, whilst insects were again abundant including butterflies such as Chestnut Heath, Small Heath, Woodland Ringlet, Painted Lady, Chequered Skipper and Silver-studded Blue. Among the day-flying moths were Yellow Shell, July Belle, Brindled White-spot and Black-veined with good numbers of Fox Moth caterpillars also found. In the ditch were Adder's-tongue Spearwort (*Ranunculus ophioglossifolius*) and Ragged Robin with Broad-bodied Chaser Dragonfly, Azure and White-legged Damselflies and Marsh Frogs also noted. Skylarks were singing continually while Quail were also heard and a Corn Bunting seen.

Moving into the forest we were able to see four more Amphibians: Agile and Marsh Frogs, Yellow-bellied Toad, Smooth Newt whilst Tree frogs were heard calling at several locations. Sand Lizard and Grass Snake were also seen. The woodland pools produced two more Damselflies these being Large Red Damselfly and Beautiful Demoiselle whilst butterflies in the woodland included Heath and Marsh Fritillaries and Wood White. Among many other insects seen were Hornets and the wasp mimicking long-horn beetle species *Clytus lama* a close relative of our British Wasp Beetle. The woodland flora included Swallow-wort, Common Cow-wheat, *Euphorbia epithymoides*, *Phyteuma spicatum* ssp *coeruleum*, White False Helleborine (*Veratrum album*), Lesser Butterfly Orchid and drifts of *Narcissus poeticus*, the species most people especially wanted to see. Birds though were also very good including Spotted Flycatcher, Whinchat, Tree Sparrow, Middle-spotted Woodpecker, excellent views of Hawfinches (including a whole family) whilst Hoopoe and Golden Oriole were heard, the latter tantalisingly close on several occasions. Overhead we saw White and Black Storks, Marsh Harrier, Hobby, Honey Buzzards and Goshawk. On our return journey we made another unscheduled stop by the roadside for excellent views of Lesser Spotted Eagle.

Our arrival back at Magura only gave us half an hour before dinner. Following our meal some went off to search for owls whilst the rest of us compiled the day's lists. The owl group was again unsuccessful though they did hear several calling Corncrakes.

## Day 5

Wednesday 27th May

This morning's early walkers saw the regular bird species with the addition of a sighting of Cuckoo, which had previously only been heard and the first Wall Brown Butterfly for the week. We were again punctual in our departure at 9am on the coaches, heading once more into the Piatra Craiului National Park stopping to see a Little Owl perched on a window ledge of the National Park Offices. It was then a short extra distance to our destination in the Birsa Valley. Whilst we waited for the National Park Warden to join us we potted around the stream where among the species we found were the Ornate Bluet Damselfly (*Coenagrion ornatum*), Broad-bodied Chaser, some caddis larvae, pond skaters.

On our main walk, accompanied by the warden, we saw several new plants for the week including Monks Rhubarb (*Rumex alpinus*), Water Avens, Nettle-leaved Speedwell (*Veronica urticifolia*) and White Wood-rush (*Luzula luzuloides*). Other good finds included Alpine Salamander and Mother Shipton Moth.

Our picnic lunch was in a small flower-rich meadow beside an attractive stream. Here Clouded Apollo Butterflies were plentiful flitting among a fine show of the yellow flowered *Rorippa pyrenaica*. After lunch the group split with some electing to climb up the wooded hillside and walk along the ridge whilst the remainder took a lower route. Those in the upper party were shown old scats of bear and wolf along with signs of wild boar damage and owl pellets. The lower party was able to witness a large flock of sheep being milked and also found the Iris relative *Sisyrinchium montanum*, Wood Club-rush *Scirpus sylvaticus*, a large Stonefly species (*Dinocras cephalotes*), Small Copper Butterfly and Burnet Companion Moth. Both groups saw Honey Buzzards whilst other birds seen during the day included Peregrine Falcon, Crag Martins, Yellow Wagtail, Garden Warbler and Wood Warbler.

We returned to the guesthouse for an early dinner prior to splitting into two bear watching groups. One group returned to the Birsa Valley to a watch point higher up than our visits earlier in the day. The other group went to the more distant Sinca Valley. En route this group saw Red Deer whilst at the bear hide they saw no fewer than nine individual bears and on the return journey Brown Hare. The Birsa Valley group however was sadly disappointed, as all they saw was a tractor! The constant activity of this prevented any bears from showing. Both groups were unsurprisingly quite tired by the time they arrived back at the guesthouse and retired to bed.

## Day 6

Thursday 28th May

Those who still managed a walk before breakfast despite their late night were rewarded with a Nutcracker perched on the wires within the guesthouse compound but otherwise very much our normal selection of birds and our daily view of Chamois.

We were making an earlier departure today in order to travel to the Dumbrovitsa Fish Ponds. Some left even earlier after breakfast to walk to see the little village church. Unfortunately however this was not open. Dumbrovitsa provided a complete change of scenery and habitat from our recent days in the mountains. In consequence there were many new species to be seen, especially birds. Among these were Purple Heron, Night Heron, Great White and Little Egret, Little Bittern, Black Tern, White-winged Black Tern, Whiskered Tern, Turtle Dove, Kingfisher, Reed Bunting, Sedge Warbler, Great Reed Warbler, Savi's Warbler and Marsh Warbler. The flora included many familiar British plants though it was good to see Cornflower and Tuberous Pea (*Lathyrus tuberosa*), and there were also interesting other additions such as Hairy Yellow Vetchling (*Vicia hybrida*) and Birthwort (*Aristolochia clematidis*). Blue-tailed Damselfly, Small Red-eyed Damselfly, Banded Demoiselle, Emperor, Black-tailed Skimmer, Four Spotted and Scarce Chaser Dragonflies were among many new insects for the week that were also seen and much photographed. Although butterflies were surprisingly few here quality compensated for quantity with Large Coppers a splendid sight.

After our picnic lunch, with rain threatening some went early to visit Brasov, whilst the remainder, continued their exploration of the fish ponds. With no more new birds being seen though a Common Shrew added to the mammal list we made our way to an Oak wood, where as well as good views of a male Stonechat we found a female Stag Beetle, and an attractive longhorn beetle species *Dorcadion arenarium*.

Returning to our coach we had only travelled a few hundred yards when we stopped again for a White Stork in a field which afforded excellent photographic opportunities. As we made our way to the town of Brasov the rain which had been threatening for some time finally arrived. Rejoining the rest of the group in Brasov we found that the old Black Church had already closed for the day but Simona gave us an excellent guided tour of the town including the old town gate and what claims to be the narrowest street in Europe. After a welcome beer we then drove up to a restaurant overlooking the town where we were to have our evening meal. We were given a traditional Romanian welcome, thoroughly entertained and all enjoyed a highly raucous evening.

## Day 7

Friday 29th May

It was damp and cloudy following overnight rain for the early walkers. After breakfast we drove to the Sinca Valley where we spent the morning. Soon after we set out we saw Woodlark, whilst Grey-headed Woodpecker, Turtle Dove, Raven and Cuckoo were among other birds seen. Plants included Nottingham Catchfly, the beautiful *Melampyrum nemorosum* that we had also seen earlier in the week, *Iris sibirica* and magnificent specimens of Ostrich Fern. Among the insects were the red and black striped bug *Graphosoma lineata*, Water Scorpion, also in fact a bug, the leaf beetle species *Chrysomela 20-punctata*, and the large Butterbur Weevil *Liparis glabirostris*. With the rain starting and very quickly becoming heavy lunch was eaten under the Forester's shelter. The walk back was distinctly wet but it did not prevent us seeing the purple-flowered Mullein species *Verbascum phoeniceum*, *Orchis ovalis* (a relative of our Early Purple Orchid) plus another puzzling *Dactylorhiza* close to *D. incarnata* (Early Marsh Orchid), Fire Salamander and Middle-spotted Woodpecker.

An early end to the excursion was scheduled as we went to a house in the village where we were provided with our evening meal before again splitting into our two bear watching groups, the destination for each being the one they had not visited on Wednesday. This meant that the group that had been disappointed previously were treated to views of several bears in the Sinca Valley while the other group returned to Birsa Valley but were then the bear-less ones, not even on this occasion having a tractor to watch! As we drove up the hill to Magura it was snowing heavily with some of the tree branches weighed down by a significant fall. It was quite a difficult journey for the drivers but eventually all made it back safely though again tired after the long day and with packing still to be done!

## Day 8

Saturday 30th May

The view this morning was transformed by snow and looked even more beautiful than ever, though as the sun came up it was thawing. With everything packed and loaded we said our farewells and left the guesthouse and Magura for the last time. We still had scheduled visits to make in the day however. The first of these was to Bran Castle, once the home of the infamous Vlad the Impaler but more familiar to British visitors as Dracula's Castle. After a fascinating tour of the castle (nothing like its portrayal in Bram Stoker's novel) we re-boarded our coach and made our way to Brasov where this time we were able to visit the Black Church which had been closed on Thursday. We were pleased to have had the second chance as this was very interesting. Soon we were on our way again. Simona arranged a stop at a mini-market to purchase hot sandwiches, which we ate in transit for our lunch. Despite heavy rain we made it to the airport in good time and having expressed our thanks and said farewell to Simona and our driver we cleared security checks and boarded our flight to Heathrow where we landed ten minutes early.

## Acknowledgements

Our sincere thanks go to Simona for all her arrangements and guidance, and thanks also to her and her mother for our picnic lunches. Thanks also to our splendid bird guide Istvan Kovacs, to our careful drivers and to Mimi and her staff at the guesthouse. Many thanks also to all members of the group for their contributions to what all agreed was a thoroughly enjoyable and interesting week!

**Note:** I wrote to Pierre Delforge and sent images of the two *Dactyolorbiza* species but have still received no reply. I have shown the images to other orchid experts who agree with my assessments as indicated in my report but they also cannot say what the species are!

## Highlights of the week

George Cockburn	Bear / horse pursued by man on bicycle
Barbara Cockburn	Amphibians especially Yellow-bellied Toad / ridge walk with warden
Katrina Slocombe	Bears / Wagon ride
Richard O'Brien	Bears / Hawfinch / Wallcreeper
Louise O'Brien	Hawfinch / all day on Friday
Steve Gilliard	Hawfinch / Collared Flycatcher
Jane Gilliard	Alpine Bells/ Sisyrinchium / snow/ rural community
Jack Haywood	Wallcreeper/ male Honey Buzzard
Allen Ceeley	completeness of holiday / Marsh Frogs
Dave Hilliard	Hawfinch nest / Flora / Salamander
Sandra Hilliard	Wallcreeper/ Bears
Peter Mynott	being able to see spots on Spotted Eagle / meadows
Pam Mynott	Wallcreeper/ Hawfinch / Hoopoe / Bears
Sheila Doel	Wallcreeper/ Bears
Mike Ronald	Honey Buzzard / being able to identify some of the birds I saw
Fran Ronald	Ridge walk with warden/ Narcissi/ lists
Alan Outen	Photographing Wallcreeper/ Insect diversity
Istvan Kovacs	Singing Wallcreeper/ snow
Simona Bureta	Weather / Group

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## Species Lists

Birds (h = heard only)

	Common name	Scientific name	May							
			23	24	25	26	27	28	29	30
1	Great Crested Grebe	<i>Podiceps cristatus</i>						10		
2	Grey Heron	<i>Ardea cinerea</i>						30	1	
3	Purple Heron	<i>Ardea purpurea</i>						2		
4	Night Heron	<i>Nycticorax nycticorax</i>						1		
5	Great White Egret	<i>Egretta alba</i>						2		
6	Little Egret	<i>Egretta garzetta</i>						1		
7	Little Bittern	<i>Ixobrychus minutus</i>						5		
8	White Stork	<i>Ciconia ciconia</i>	6			5		1	1	
9	Black Stork	<i>Ciconia nigra</i>				4				
10	Mallard	<i>Anas platyrhynchos</i>						10		
11	Pochard	<i>Aythya ferina</i>						4		
12	Lesser Spotted Eagle	<i>Aquila pomarina</i>				4		6	3	
13	Marsh Harrier	<i>Circus aeruginosus</i>				1		4		
14	Common Buzzard	<i>Buteo buteo</i>		3	5	5	7	2	10	
15	Honey Buzzard	<i>Pernis apivorus</i>				2	2	1		
16	Sparrowhawk	<i>Accipiter nisus</i>			1	2				
17	Goshawk	<i>Accipiter gentilis</i>				1				
18	Kestrel	<i>Falco tinnunculus</i>		2	2	1	1	1		
19	Hobby	<i>Falco subbuteo</i>				1				
20	Peregrine	<i>Falco peregrinus</i>		1			1			
21	Quail	<i>Coturnix coturnix</i>				2 h				
22	Corncrake	<i>Crex crex</i>				6 h				
23	Moorhen	<i>Gallinula chloropus</i>						2 h		
24	Coot	<i>Fulica atra</i>						2		
25	Lapwing	<i>Vanellus vanellus</i>						4		
26	Black-headed Gull	<i>Larus ridibundus</i>						30		
27	Yellow-legged/Caspian Gull	<i>Larus michahellis/cacchinans</i>						3		
28	Black Tern	<i>Chlidonias niger</i>						15		
29	White-winged Tern	<i>Chlidonias leucopterus</i>						2		
30	Whiskered Tern	<i>Chlidonias hybridus</i>						4		
31	Feral Pigeon	<i>Columba livia domestica</i>	✓		✓	✓		✓		✓
32	Woodpigeon	<i>Columba palumbus</i>			3	1	2		2	
33	Collared Dove	<i>Streptopelia decaocto</i>	5		5	4		✓	✓	5
34	Turtle Dove	<i>Streptopelia turtur</i>						3	2	
35	Cuckoo	<i>Cuculus canorus</i>		5	3	4	4	5	4	h
36	Little Owl	<i>Athene noctua</i>					1			
37	Swift	<i>Apus apus</i>		3		10		30		
38	Alpine Swift	<i>Tachymarptys melba</i>		30	10	20	20	10	10	
39	Hoopoe	<i>Upupa epops</i>				3	1	1	3	
40	Kingfisher	<i>Alcedo atthis</i>						1		
41	Black Woodpecker	<i>Dryocopus martius</i>		1				2 h		
42	Grey-headed Woodpecker	<i>Picus canus</i>			1 h				2	
43	Green Woodpecker	<i>Picus viridis</i>				2				
44	Greater Spotted Woodpecker	<i>Dendrocopos major</i>		1	1	3	1		4	
45	Middle Spotted Woodpecker	<i>Dendrocopos medius</i>				2			2	
46	Crested Lark	<i>Galerida cristata</i>	1							
47	Woodlark	<i>Lullula arborea</i>							8	



	Common name	Scientific name	May								
			23	24	25	26	27	28	29	30	
48	Skylark	<i>Alaluda arvensis</i>				15				1	
49	Swallow	<i>Hirundo rustica</i>	20	20	10	20	20	50	20		
50	House Martin	<i>Delichon urbica</i>	20	100	50	30	50	20	20		
51	Crag Martin	<i>Ptyonoprogne rupestris</i>					4				
52	Tree Pipit	<i>Anthus trivialis</i>		2	10	10	2	1	10		
53	White Wagtail	<i>Motacilla alba</i>	5	5	10	5	5	5	5	5	
54	Grey Wagtail	<i>Motacilla cinerea</i>		7	3	1	4	3	2		
55	Yellow Wagtail	<i>Motacilla flava</i>					1	5			
56	Wren	<i>Troglodytes troglodytes</i>		5	2	1	1	1	2		
57	Dipper	<i>Cinclus cinclus</i>			2	2		1			
58	Dunnock	<i>Priunella modularis</i>			1 h		10 h				
59	Robin	<i>Erithacus rubecula</i>		10	5	1	20	10	5		
60	Thrush Nightingale	<i>Luscinia luscinia</i>								1 h	
61	Redstart	<i>Phoenicurus phoenicurus</i>		2	3	4	5	2			
62	Black Redstart	<i>Phoenicurus ochruros</i>		3	1	2	4	2	2	2	
63	Stonechat	<i>Saxicola torquata</i>						1			
64	Whinchat	<i>Saxicola rubetra</i>				3					
65	Song Thrush	<i>Turdus philomelos</i>		10	15	10	15	5	5	2	
66	Mistle Thrush	<i>Turdus viscivorus</i>			3	2			5		
67	Fieldfare	<i>Turdus pilaris</i>	10	30	10	30	10	10	20	10	
68	Blackbird	<i>Turdus merula</i>		15	10	15	15	10	5	5	
69	Blackcap	<i>Sylvia atricapilla</i>		10	10	5	10	5	5		
70	Garden Warbler	<i>Sylvia borin</i>		3	2	3	1		5		
71	Whitethroat	<i>Sylvia communis</i>			3	1		10	2		
72	Lesser Whitethroat	<i>Sylvia curruca</i>			2			2			
73	Savi's Warbler	<i>Locustella luscinioides</i>						2			
74	Sedge Warbler	<i>Acrocephalus schoenobaenus</i>						3			
75	Marsh Warbler	<i>Acrocephalus palustris</i>			1			30	1		
76	Great Reed Warbler	<i>Acrocephalus arundinaceus</i>						4			
77	Chiffchaff	<i>Phylloscopus collybita</i>		10	5	5	20	3	5		
78	Willow Warbler	<i>Phylloscopus trochilus</i>				1 h					
79	Wood Warbler	<i>Phylloscopus sibilatrix</i>		2 h		1 h	1 h				
80	Goldcrest	<i>Regulus regulus</i>		2	4		1				
81	Firecrest	<i>Regulus ignicapillus</i>			1						
82	Spotted Flycatcher	<i>Muscicapa striata</i>				1		1			
83	Collared Flycatcher	<i>Ficedula albicollis</i>			1	2					
84	Red-breasted Flycatcher	<i>Ficedula parva</i>		2	4						
85	Great Tit	<i>Parus major</i>		4	2	10	2	10	5	2	
86	Blue Tit	<i>Cyanistes caeruleus</i>				5		2	2		
87	Marsh Tit	<i>Poecile palustris</i>		2							
88	Long-tailed Tit	<i>Aeghitalos caudatus</i>				2			10		
89	Nuthatch	<i>Sitta europaea</i>				10		2	1		
90	Wallcreeper	<i>Tichodroma muraria</i>		2							
91	Common Treecreeper	<i>Certhia familiaris</i>			1						
92	Red-backed Shrike	<i>Lanius collurio</i>		6	4	10	3	2	10		
93	Great Grey Shrike	<i>Lanius excubitor</i>									
94	Magpie	<i>Pica pica</i>	2			1			1	2	
95	Jay	<i>Garrulus glandarius</i>		4	1	4	2		6		
96	Nutcracker	<i>Nucifraga caryocatactes</i>		1	3	2	2	1			
97	Jackdaw	<i>Corvus monedula</i>	5	5	5	5		10		5	
98	Rook	<i>Corvus frugilegus</i>				20		10			

	Common name	Scientific name	May							
			23	24	25	26	27	28	29	30
99	Hooded Crow	<i>Corvus cornix</i>	10	5	15	10	10	10	2	10
100	Raven	<i>Corvus corax</i>		2	1	3		5	4	
101	Starling	<i>Sturnus vulgaris</i>	20	50	20	200	20	30	50	50
102	Golden Oriole	<i>Oriolus oriolus</i>		2		5		2	2	
103	House Sparrow	<i>Passer domesticus</i>	10	10	10	10	10	20	2	10
104	Tree Sparrow	<i>Passer montanus</i>				5		10	6	
105	Chaffinch	<i>Fringilla coelebs</i>		30	30	20	50	20	10	10
106	Linnet	<i>Carduelis cannabina</i>		2			2	1		
107	Greenfinch	<i>Carduelis chloris</i>		4	2	1	2	1		
108	Goldfinch	<i>Carduelis carduelis</i>		6	4	5	2	3	4	
109	Serin	<i>Serinus serinus</i>		1	1		1	1		
110	Bullfinch	<i>Pyrrhula pyrrhula</i>			8		1			
111	Hawfinch	<i>Coccothraustes coccothraustes</i>		4	4	30	2	2	10	
112	Common Rosefinch	<i>Carpodacus erythrinus</i>			12					
113	Yellowhammer	<i>Emberiza citrinella</i>		5	5		2	1	10	
114	Rock Bunting	<i>Emberiza cia</i>		1						
115	Reed Bunting	<i>Emberiza schoeniclus</i>						1		
116	Corn Bunting	<i>Miliaria calandra</i>				1				

## MAMMALS

1	Common Shrew	<i>Sorex araneus</i>						✓		
2	Water Shrew	<i>Neomys fodiens</i>			✓					
3	Eastern Hedgehog	<i>Erinaceus concolor</i>							✓	
4	Bat sp.						✓			
5	Red Squirrel	<i>Sciurus vulgaris</i>				✓				
6	Brown Hare	<i>Lepus europaeus</i>					✓			
7	Red Fox	<i>Vulpes vulpes</i>			✓					
8	Brown Bear	<i>Ursus arctos</i>					✓		✓	
9	Red Deer	<i>Cervus elephas</i>					✓			
10	Roe Deer	<i>Capreolus capreolus</i>	✓		✓	✓	✓		✓	
11	Chamois	<i>Rupicapra rupicapra</i>	✓	✓	✓	✓	✓	✓	✓	✓

## REPTILES

1	Viviparous Lizard	<i>Lacerta vivipara</i>			✓					
2	Sand Lizard	<i>Lacerta agilis</i>			✓	✓		✓		
3	Grass Snake	<i>Natrix natrix</i>				✓		✓		

## AMPHIBIANS

1	Smooth or Common Newt	<i>Triturus vulgaris</i>				✓				
2	Fire Salamander	<i>Salamandra salamandra</i>					✓		✓	
3	Common Toad	<i>Bufo bufo</i>			✓			✓		
4	Yellow-bellied Toad	<i>Bombina variegata</i>			✓	✓	✓	✓		
5	Common Tree Frog	<i>Hyla europaea</i>			h	h				
6	Agile Frog	<i>Rana dalmatina</i>		✓		✓				
7	Marsh Frog	<i>Rana ridibunda</i>				✓		✓		
8	Common Frog	<i>Rana temporaria</i>		✓						

	Common name	Scientific name	May									
			23	24	25	26	27	28	29	30		
<b>BUTTERFLIES</b>		<i>Lepidoptera</i>										
1	Swallowtail	<i>Papilio machaon</i>	✓									
2	Clouded Apollo	<i>Parnassius mnemosyne</i>						✓				
3	Green-veined White	<i>Artogeia napi</i>		✓	✓	✓	✓					
4	Mountain Green-veined White	<i>Pieris bryoniae</i>		✓								
5	Small White	<i>Artogeia rapae</i>	✓	✓	✓							
6	Large White	<i>Pieris brassicae</i>		✓								
7	Orange Tip	<i>Anthocharis cardamines</i>		✓	✓			✓				
8	Brimstone	<i>Gonepteryx rhamni</i>			✓	✓	✓					
9	Wood White sp.	<i>Leptidea sp.</i>			✓	✓	✓					
10	Small Copper	<i>Lycaena phlaeas</i>						✓				
11	Large Copper	<i>Lycaena dispar rutilus</i>								✓		
12	Little Blue	<i>Cupido minimus</i>		✓	✓	✓	✓					
13	Common Blue	<i>Polyommatus icarus</i>			✓	✓						
14	Silver-studded Blue	<i>Plebejus argus</i>				✓						
15	Duke of Burgundy	<i>Hamearis lucina</i>		✓								
16	Red Admiral	<i>Vanessa atalanta</i>		✓	✓			✓				
17	Painted Lady	<i>Vanessa cardui</i>				✓	✓					
18	Dark Green Fritillary	<i>Argynnis aglaja</i>		✓								
19	Small Pearl-bordered Fritillary	<i>Boloria selene</i>		✓								
20	Weaver's Fritillary	<i>Boloria (=Clossiana) dia</i>			✓							
21	Heath Fritillary	<i>Melictha athalia</i>				✓	✓					
22	Marsh Fritillary	<i>Euphydryas aurinia</i>				✓						
23	Speckled Wood	<i>Pararge aegeria</i>		✓	✓	✓	✓					
24	Wall Brown	<i>Lasiommata megera</i>						✓				
25	Woodland Ringlet	<i>Erebia medusa</i>		✓	✓	✓	✓					
26	Chestnut Heath	<i>Coenonympha glycerion</i>				✓						
27	Small Heath	<i>Coenonympha pamphilus</i>			✓	✓	✓	✓	✓			
28	Chequered Skipper	<i>Carterocephalus palaemon</i>				✓	✓					
29	Large Skipper	<i>Ochlodes sylvanus</i>				✓						
30	Grizzled Skipper	<i>Pyrgus malvae</i>		✓				✓				
31	Dingy Skipper	<i>Erynnis tages</i>										

## Moths

*Lepidoptera*

1	Fox moth - [caterpillar]	<i>Macrothylacia rubi</i>				✓					
2	[day flying sp related to Vapourer]	<i>Penthaphora morio</i>			✓						
3	Speckled Yellow	<i>Pseudopanthera macularia</i>		✓	✓	✓					
4	Brimstone Thorn	<i>Opisthoptis luteolata</i>						✓			
5	Latticed Heath	<i>Chiasmia clathrata</i>			✓	✓					
6	Common Heath	<i>Ematurga atomaria</i>			✓						
7	Yellow Shell	<i>Camptogramma bilineata</i>				✓					✓
8	Common Carpet Moth	<i>Epirrhoe alternata</i>			✓						
9	Red Twin-spot Carpet	<i>Xanthorhoe spadicearia</i>		✓							
10	July Belle	<i>Scotopteryx luridata</i>				✓					✓
11	Grass Wave	<i>Periconia strigillaria</i>							✓		
12	Brindled White-spot	<i>Parectropis similaria</i>				✓					
13	Lewes Wave	<i>Scopula immorata</i>							✓		
14	Sandy Carpet	<i>Perizoma flavofasciata</i>			✓						
15	Black-veined moth	<i>Siona lineata</i>				✓		✓	✓		

	Common name	Scientific name	May							29	30
			23	24	25	26	27	28			
16	Brown Silver-line Moth	<i>Petrophora chlorosata</i>								✓	
17	Clouded Buff	<i>Diacrisia sannio</i>								✓	
18	Heart and Dart	<i>Agrotis exclamationis</i>			✓						
19	Common Silver Y	<i>Autographa gamma</i>							✓		
20	The Fanfoot	<i>Zanclognatha tarsipennalis</i>			✓						
21	Mother Shipton	<i>Callistege mi</i>			✓		✓	✓			
22	Burnet Companion	<i>Euclidia glyphica</i>			✓		✓			✓	
23	Green Oak Tortix	<i>Tortrix viridana</i>				✓					
24	gall on Populus tremula	<i>Ectoedemia argyropeza</i>				✓					

### Dragonflies & Damselflies *Odonata*

1	Banded Demoiselle	<i>Calopteryx splendens</i>							✓		
2	Beautiful Demoiselle	<i>Calopteryx virgo</i>				✓			✓		
3	Blue-tailed Damselfly	<i>Ischnura elegans</i>							✓		
4	Ornate Bluet	<i>Coenagrion ornatum</i>						✓			
5	Azure Damselfly	<i>Coenagrion puella</i>				✓					
6	Small Red-eyed Damselfly	<i>Erythromma viridulum</i>							✓		
7	White-legged damselfly	<i>Platycnemis pennipes</i>				✓			✓		
8	Large Red Damselfly	<i>Pyrrhosoma nymphula</i>				✓	✓				
9	Emperor Dragonfly	<i>Anax imperator</i>							✓		
10	Four-spotted Chaser	<i>Libellula quadrimaculata</i>							✓		
11	Broad-bodied Chaser	<i>Libellula depressa</i>				✓	✓				
12	Scarce Chaser	<i>Libellula fulva</i>							✓		
13	Black-tailed Skimmer	<i>Orthetrum cancellatum</i>							✓		

### Stoneflies *Plecoptera*

		<i>Dinocras cephalotes</i>							✓		
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### Grasshoppers, Crickets etc *Orthoptera*

1	Field Cricket	<i>Gryllus campestris</i>		✓	✓						
2	Mole Cricket	<i>Gryllotalpa gryllotalpa</i>		h							
3	Speckled Bush Cricket	<i>Leptophyes punctatissima</i>		✓	✓						
4	Roesel's Bush Cricket	<i>Metroptera roeselii</i>				✓					
5	Dark Bush Cricket	<i>Pholidoptera griseoaptera</i>		✓							
6	a Bush Cricket sp	<i>Pholidoptera littoralis</i>			✓						

### Bugs *Hemiptera*

1		<i>Sehirus dubius</i>								✓	
2		<i>Eurydema ornatum</i>			✓						
3		<i>Graphosoma lineata</i>								✓	
4		<i>Carpocoris fuscispinus</i>			✓						
5	Sloe Bug	<i>Dolycoris baccarum</i>	✓		✓	✓	✓				
6	Green Shield Bug	<i>Palomena prasina</i>		✓							
7		<i>Coreus marginatus</i>				✓					
8		<i>Lygaeus saxatilis</i>			✓						
9	Water Scorpion	<i>Nepa cinerea</i>								✓	
10	a pondskater sp.	<i>Gerris sp.</i>						✓			
11	Common Froghopper	<i>Philaenus spumarius</i>			✓	✓					
12	Red & Black Froghopper	<i>Cercopis vulnerata</i>	✓		✓	✓	✓			✓	

	Common name	Scientific name	May								
			23	24	25	26	27	28	29	30	
13		<i>Centrotus cornutus</i>						✓			
14	Sycamore Aphid	<i>Drepanosiphonum platanoidis</i>		✓							

## Scorpion Flies

## Mecoptera

	a scorpion fly sp.	<i>Pamorpa sp. ? communis</i>	✓	✓	✓	✓	✓				
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## Caddis Flies

## Trichoptera

	caddis sp larvae							✓			
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## True Flies

## Diptera

1	a Crane Fly	<i>Tipula vittata</i>			✓						
2	a hoverfly sp	<i>Episyrphus balteatus</i>	✓								
3	Drone Fly	<i>Eristalis pertinax</i>							✓		
4	a bee fly sp			✓							
5	a Conopid fly	<i>Myopa sp.</i>		✓							
6	a Conopid fly	<i>Conops sp.</i>			✓						
7	a Picture-winged Fly	<i>Platyparea discoidea</i>			✓						
8	a green house-fly sp	<i>Dasyphora cyanella</i>			✓						
9	Bluebottle	<i>Calliphora vomitoria</i>						✓			
10	Flesh Fly	<i>Sarcophaga sp. cf carnaria</i>		✓				✓	✓		
11	gall on Galium sp.	<i>Geocrypta galii</i>				✓					

## Ants, Bees, Wasps

## Hymenoptera

1	Hornet	<i>Vespa crabro</i>				✓					
2	a paper wasp	<i>Polistes sp.</i>				✓					
3	Black garden ant	<i>Lasius niger</i>	✓								
4	a Wood Ant sp	<i>Formica sp.</i>			✓						
5	a Bumblebee sp.	<i>Bombus pascuorum</i>		✓							
6	a Bumblebee sp.	<i>Bombus lapidarius</i>							✓		
7	a Bumblebee sp.	<i>Bombus cf. ruderatus</i>		✓							
8	Velvet Ant	<i>Mutilla europaea</i>		✓							
9	Robin's pincushion gall	<i>Diplolepis rosae</i>			✓						
10	an Ichneumon sp.	<i>Lissonota sp.</i>		✓							
11	an orange and black sawfly sp	<i>Tenthredo sp.</i>			✓						
12	as gall on Glechoma	<i>Liposthenes glechomae</i>						✓			

## Beetles

## Coleoptera

1	Green Tiger Beetles	<i>Cicindela campestris</i>			✓						
2	a greenish ground beetle	<i>Carabus auratus</i>		✓							
3	Violet Ground Beetle	<i>Carabus violaceus</i>		✓							
4	Large Ground Beetle	<i>Carabus coriaceus</i>		✓							
5	a ground beetle sp	<i>Pterostichus cf. nigrita</i>		✓							
6	Mourning Beetle	<i>Silpha obscura</i>			✓						
7	Devils Coach-horse	<i>Staphylina olens</i>		✓							
8	a Rove-beetle	<i>Staphylina caesareus</i>			✓						
9	Stag Beetle	<i>Lucanus cervus</i>							✓		
10	Common Cockchafer	<i>Melolontha melolontha</i>	✓		✓	✓			✓		
11	Garden Chafer	<i>Phyllopertha horticola</i>			✓			✓			
12	a flower chafer	<i>Oxythyrea funesta</i>	✓								

	Common name	Scientific name	May							29	30
			23	24	25	26	27	28			
13	Green Chafer	<i>Cetonia aeruginosa</i>				✓					
14	a soldier beetle sp	<i>Rhagonycha fulva</i>	✓								
15	a soldier beetle sp	<i>Cantharis fusca</i>	✓								
16	a soldier beetle sp	<i>Cantharis rustica</i>	✓	✓	✓	✓					
17	Cardinal Beetle	<i>Pyrochroa coccinea</i>			✓						
18	a Fungus Beetle	<i>Endomychus coccineus</i>					✓				
19	Seven spot Ladybird	<i>Coccinella 7-punctata</i>	✓						✓		
20	a flower beetle	<i>Malachius bipustulatus</i>				✓					
21	Whirligig Beetle	<i>Gyrinus sp.</i>				✓					
22	Oil Beetle	<i>Meloe proscarabaeus</i>		✓							
23	a click beetle sp.	<i>Athous sp.</i>		✓							
24	a longhorn beetle sp	<i>Clytus lama</i>				✓					
25	a longhorn beetle sp	<i>Dorcadion arenarium</i>						✓			
26	Bloody-nose Beetle	<i>Timarcha tenebricosa</i>		✓			✓				
27	Colorado Beetle	<i>Leptinotarsa decemlineata</i>		✓		✓					
28	a leaf beetle sp	<i>Chrysomela 20-punctata</i>							✓		
29	Green Tortoise Beetle	<i>Cassida viridis</i>		✓	✓						
30	a nettle weevil	<i>Phyllobius sp.</i>	✓								
31	Pine Weevil	<i>Hylobius abietis</i>			✓						
32	Large Butterbur Weevil	<i>Liparis glabirostris</i>							✓		
33	Spruce Bark Beetle -galleries	<i>Ips typographus</i>		✓							

## Spiders etc

1	a crab spider sp.	<i>Misumenia vatia</i>		✓	✓					
2	a crab spider sp.	<i>Synaema globosum</i>							✓	
3	a small green spider sp	<i>Araniella cucurbitina</i>			✓					
4	a large green spider sp	<i>Micrommata virescens</i>			✓					
5	Nursery Web Spider	<i>Pisaura mirabilis</i>					✓			
6	a wolf spider	<i>Pardosa sp.</i>			✓					
7	an Orb-Web Spider sp.	<i>Araneus marmoreus</i>						✓		
8	Sheep Tick	<i>Ixodes ricinus</i>				✓		✓		
9	Crustacea									
10	Rough Woodlouse	<i>Porcellio scaber</i>			✓					
11	Myriapods									
12	a millipede sp	<i>Schizophyllum sp</i>			✓		✓			
13	orange banded millipede sp	<i>sp. [photo AS]</i>					✓			
14	a centipede sp	<i>Lithobius sp</i>			✓					

## Snails &amp; Slugs

## Mollusca

1	Roman Snail	<i>Helix pomatia</i>		✓		✓			✓	
2		<i>Cepaea vindobonensis</i>		✓						
3		<i>Alopiaplumbea</i>		✓						
4	Amber Snail	<i>Succinea putris</i>					✓			

## Segmented Worms

## Annelida

1	Common Earthworm	<i>Lumbricus terrestris</i>			✓					
2	Tiger worm	<i>Eisenia foetida</i>		✓						
3	Horse Leech	<i>Haemopsis sanguisuga</i>					✓			

Common name	Scientific name	May								
		23	24	25	26	27	28	29	30	

## Bryophytes

	<i>Amblystegium serpens</i>		✓							
	<i>Anomodon viticulosus</i>								✓	
	<i>Atrichum undulatum</i>			✓	✓					
	<i>Brachythecium rutabulum</i>								✓	
	<i>Calliergonella cuspidata</i>								✓	
	<i>Ceratodon purpureus</i>						✓			
	<i>Ctenidium molluscum</i>		✓	✓						
	<i>Homalothecium sericeum</i>				✓					
	<i>Hylocomium splendens</i>		✓							
	<i>Hypnum cupressiforme</i>								✓	
	<i>Neckera complanata</i>		✓							
	<i>Neckera crispa</i>		✓							
	<i>Plagiomnium affine</i>								✓	
	<i>Polytrichum formosum</i>								✓	
	<i>Conocephalum conicum</i>		✓							
	<i>Marchantia polymorpha</i>									✓

## Fungi

	<i>Agrocybe</i> sp.								✓	
	<i>Collybia dryophila</i>				✓					
	<i>Hypholoma fasciculare</i>							✓		
	<i>Inocybe rimosa</i>								✓	
	<i>Mycena haematopus</i>		✓							
	<i>Mycena renati</i>			✓						
	<i>Psathyrella marcescibilis</i>								✓	
	<i>Fomes fomentarius</i>		✓				✓		✓	
	<i>Inonotus radiatus</i>								✓	
	<i>Oxyporus populinus</i>			✓						
	<i>Schizophyllum commune</i>			✓						
Turkey Tail	<i>Trametes versicolor</i>		✓				✓			
	<i>Bovista plumbea</i>						✓			
	<i>Handkea utriformis</i>				✓				✓	
a Coltsfoot rust	<i>Puccinia poarum</i>			✓						
Creeping Thistle Rust	<i>Puccinia punctiformis</i>							✓		
Stinging Nettle Rust	<i>Puccinia caricina</i>							✓		
Alder Buckthorn Rust	<i>Puccinia coronata</i>								✓	
a Rose rust	<i>Phragmidium mucronatum</i>								✓	
Meadowsweet Rust	<i>Triphragmium ulmariae</i>								✓	
	<i>Lachnum brevipilum</i>		✓							
	<i>Mollisia cinerea</i>		✓							
Tar-spot on Sycamore	<i>Rhytisma acerinum</i>		✓							

	Common name	Scientific name	May							
			23	24	25	26	27	28	29	30
		<i>Ramularia rubella</i>		✓						
		<i>Septoria lamii</i>		✓						
		<i>Lycogala terrestre</i>		✓						

## PLANTS

### Sites Visited

DAY	DATE	SITES
1	23 May 2009	Bucharest to Magura village, including brief roadside stop and stop for White Stork etc
2	24 May 2009	Zarnesti Gorge - Piatra Craiului NP
3	25 May 2009	Coltii Chiliei, Diana Meadows – Piatra Craiului NP,
4	26 May 2009	Poina Vadului Narcissus Forest and meadows
5	27 May 2009	Birsa Valley - Piatra Craiului NP Bear Watching in evening at either Birsa or Sinca Valley
6	28 May 2009	Dumbravita Fishponds Brasov evening restaurant at Porana Brasov
7	29 May 2009	Sinca Valley Bear Watching in evening at either Birsa or Sinca Valley
8	30 May 2009	Magura village to Bucharest via Bran Castle and Brasov

Species are not necessarily listed for every date seen but hopefully at least for the first sighting and then if significant components of the flora, or if attracting particular interest (from photographers etc) at other sites also. Plants recorded on various days around the Guesthouse are indicated as Magura, otherwise dates are given.

### The list of plants seen comprises:

Pteridophytes	Ferns and allies	13	spp.
Gymnosperms	Conifers and allies	4	spp.
Flowering Plants	Dicotyledons	210	spp.
	Monocotyledons	44	spp.
	TOTAL FLORA	271	spp.

### Abbreviations used

Species given in square brackets are established introductions.

Species marked End. are endemic to Romania.

nf = not in flower on our visit

fr = in fruit



## Vernacular Names

As some clients feel more comfortable with these I have included “common names” where established published ones exist. However I have avoided the temptation to invent them where none are recognised!

## References

I have found that clients like to be able to look species up in popular field guides and hence references to these are given to illustrations and descriptions in popular works where appropriate.

(The Reference codes used are the standard ones I use for all European trips)

Author		Title	Publisher	Code
Fitter, Fitter & Blamey	1996	Wild Flowers of Britain & N.Europe 5th edn.	Collins	A
Blamey & Grey Wilson	1993	Mediterranean Wild Flowers	Harper Collins	B
Grey Wilson & Blamey	1995	Alpine Flowers of Britain & Europe 2nd edn	Harper Collins	G
Buttler K.P.		Field Guide to Orchids of Britain & Europe	Crowood	Bt;
Delforge	1995	Orchids	Harper Collins	Df
Fitter, Fitter & Farrer	1983	Grasses, Sedges, Rushes & Ferns	Collins	F
Jager E & Werner K	2000	Exkursionflora von Deutschland	Spektrum	J
Polunin O.	1976	Trees & Bushes of Europe	OUP	PT
Kreutz C.A.J.	1989	Orobanche		K
Mitchell A & Wilkinson J	1982	Trees of Britain & Northern Europe	Collins	M
Polunin O	1980	Flowers of Greece & the Balkans	OUP	Pg

## Species List

Family	Latin Name	Common Name	References	SITES
	<b>PTERIDOPHYTES</b>			
Equisetaceae	<i>Equisetum arvense</i>	Field Horsetail	F188.3; J11;	23; 25;
Aspleniaceae	<i>Asplenium ruta-muraria</i>	Wall Rue	F200.6; J20;	24;
Aspleniaceae	<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	F200.2; J18;	24;
Aspleniaceae	<i>Asplenium trichomanes-ramosum (=viride)</i>	Green Spleenwort	F200.3; J18;	24;
Dryopteridac	<i>Dryopteris carthusiana</i>	Narrow Buckler Fern	F212.3; J26;	26;
Dryopteridac	<i>Dryopteris filix-mas</i>	Male Fern	F210.1; J25;	24;
Dryopteridac	<i>Polystichum aculeatum</i>	Hard Shield Fern	F208.3; J24;	24;
Hypolepidac	<i>Pteridium aquilinum</i>	Bracken	F192.1; J16;	27; 29;
Polypodiac	<i>Polypodium vulgare</i>	Common Polypody	F214.4; J26;	24;
Woodsiaceae	<i>Athyrium filix-femina</i>	Lady Fern	F204.1; J23;	24; 25;
Woodsiaceae	<i>Cystopteris fragilis (=regia)</i>	Brittle Bladder Fern	F206.1; J22;	24;
Woodsiaceae	<i>Gymnocarpium robertianum</i>	Limestone Fern	F214.2; J23;	24; 25;
Woodsiaceae	<i>Mattencia struthiopteris</i>	Ostrich Fern	F204.4;	27; 29;
	<b>GYMNOSPERMS</b>			
Cupressaceae	<i>Juniperus communis</i>	Common Juniper	G22.7; M42; J35	28;
Pinaceae	<i>Larix decidua</i>	Larch	G22; J31;	23;
Pinaceae	<i>Picea abies</i>	Norway Spruce	G22.2; M78; J30	23; 25;
Pinaceae	<i>Pinus sylvestris</i>	Scots Pine	A24.5; M88; J32;	23;
	<b>ANGIOSPERMS</b>			
Aceraceae	<i>Acer campestre</i>	Field Maple	G166.2; A34.4	29;
Aceraceae	<i>Acer pseudoplatanus</i>	Sycamore	G166.3; A34.3	23;
Apiaceae	<i>Anthriscus sylvestris</i>	Cow Parsley	A166.1; J359	28;
Apiaceae	<i>Astrantia major</i>	Great Masterwort	G184.7; A164.7	25;

Apiaceae	<i>Conium maculatum</i>	Hemlock	A170.3;	28;
Apiaceae	<i>Heracleum sphondylium</i>	Hogweed	(G192.7a); A170.1;	28;
Araliaceae	<i>Hedera helix</i>	Ivy	G184.4; A164.4	28;
Aristolochiac	<i>Aristolochia clematitis</i>	Birthwort	A38.1;	28;
Asclepiadac	<i>Vincetoxicum hirundinaria</i>	Swallow-wort	G222.1; A188.9; Pg1010;	26;
Asteraceae	[ <i>Centaurea cyanus</i> ]	Cornflower	(G310.9c); A260.4;	28;
Asteraceae	<i>Achillea millefolium</i>	Yarrow	G294.5; A250.2 [ <i>A. millefolium</i> gp]	23;
Asteraceae	<i>Antennaria dioica</i>	Catsfoot	G290.3; A238.1	Mag;
Asteraceae	<i>Arctium lappa</i>	Greater Burdock	(A256.5a); B1939; J545	28;
Asteraceae	<i>Arctium minus</i>	Lesser Burdock	A256.5; J545	23;
Asteraceae	<i>Artemisia vulgaris</i>	Mugwort	A250.4;	28;
Asteraceae	<i>Bellis perennis</i>	Daisy	G288.2; A244.1	23;
Asteraceae	<i>Cirsium arvense</i>	Creeping Thistle	A258.1;	28;
Asteraceae	<i>Doronicum columnae</i>	Heart-lyd Leopardsbane	G298.9; Pg1448a, p 51	24;
Asteraceae	<i>Erigeron annuus</i>		(A244.6a); J522;	26;
Asteraceae	<i>Hieracium pilosella</i> (= <i>Pilosella officinarum</i> )	Mouse-ear Hawkweed	(G316.8b); J580	28;
Asteraceae	<i>Lactuca serriola</i>	Prickly Lettuce	A264.5; B2076; J568	23; 28;
Asteraceae	<i>Leucanthemum vulgare</i>	Ox-eye Daisy	G292.1; A252.1	23; 28;
Asteraceae	<i>Matricaria discoidea</i> ( <i>Chamomilla suaveolens</i> )	Pineapple Mayweed	A244.3; Pg1432;	28;
Asteraceae	<i>Petasites albus</i>	White Butterbur	G298.3; (A250.1b); Pg1441	23;
Asteraceae	<i>Tanacetum vulgare</i>	Tansy	A252.3; Pg1426;	28;
Asteraceae	<i>Taraxacum officinale</i> gp.	Dandelion	A266.1;	23;
Asteraceae	<i>Tragopogon pratensis</i>	Goatsbeard	(G318.3); A262.1; Pg1527;	Mag; 28;
Asteraceae	<i>Tussilago farfara</i>	Coltsfoot	G298.1; A252.5; Pg1439;	24;
Balsaminac	[ <i>Impatiens parviflora</i> ]	Small Balsam	(G172.4a); A146.3;	27;
Betulaceae	<i>Alnus glutinosa</i>	Common Alder	G28.3a; A30.7	26;
Betulaceae	<i>Alnus viridis</i>	Green Alder	G28.3; (A30.7b); J69	27;
Betulaceae	<i>Betula pendula</i>	Silver Birch	G28.1; A30.5	23;
Boraginaceae	<i>Alkanna tinctoria</i> (= <i>lebmanii</i> )	Dyer's Alkanet	B1373;	23;
Boraginaceae	<i>Echium vulgare</i>	Viper's Bugloss	G224.4; A202.1	23; Mag;
Boraginaceae	<i>Myosotis arvensis</i>	Field forget-me-not	G226.4; A200.4; Pg1069;	25;
Boraginaceae	<i>Myosotis scorpioides</i> (= <i>palustris</i> )	Water forget-me-not	G226.10; A200.6;	25;
Boraginaceae	<i>Myosotis sylvatica</i>	Wood forget-me-not	G226.6; A200.3; Pg1066;	24;
Boraginaceae	<i>Pulmonaria filarszkyana</i>		(G224.5c);	24;
Boraginaceae	<i>Symphytum cordatum</i>			24;
Boraginaceae	<i>Symphytum tuberosum</i>	Tuberous Comfrey	(G226.1a); (A198.1d); J428; Pg1053, d 136;	24;
Brassicaceae	[ <i>Cardaria draba</i> (= <i>Lepidium</i> )]	Hoary Cress	A102.1;	23; 28;
Brassicaceae	[ <i>Lepidium virginicum</i> ]	Poor-man's Pepperwort	(A102.2b); J181;	23;
Brassicaceae	[ <i>Lobularia maritima</i> ]			28;
Brassicaceae	<i>Alliaria petiolata</i>	Garlic Mustard	A94.5;	23;
Brassicaceae	<i>Arabis hirsuta</i>	Hairy Rockcress	G84.1; A98.1	Mag;
Brassicaceae	<i>Arabis sagittata</i>		(A98.5c);	29;
Brassicaceae	<i>Capsella bursa-pastoris</i>	Shepherd's Purse	G86.8; A100.2	25;
Brassicaceae	<i>Cardamine amara</i>	Large Bittercress	G80.9; A94.2	24;
Brassicaceae	<i>Cardamine flexuosa</i>	Wavy Bittercress	(A98.1a); J160	24;
Brassicaceae	<i>Cardamine impatiens</i>	Narrow-lyd Bittercress	A94.4;	24; 25;
Brassicaceae	<i>Erysimum</i> cf. <i>hungaricum</i> ?			25;
Brassicaceae	<i>Hesperis matronalis</i>	Dames Violet	G80.2; A94.6; Pg296;	24;
Brassicaceae	<i>Raphanus raphanistrum</i>	Wild Radish	A92.8; J187	25; 28;
Brassicaceae	<i>Rorippa pyrenaica</i>		(A90.9c); J161	27;
Campanulac	<i>Campanula patula</i>	Spreading Bellflower	G280.3; A238.4; J499	Mag;
Campanulac	<i>Phyteuma spicatum</i> ssp. <i>coeruleum</i>	Spiked Rampion	G276.8; A236.7;	26;
Cannabaceae	<i>Humulus lupulus</i>	Hop	A38.5;	28;
Caprifoliac	<i>Lonicera xylosteum</i>	Fly Honeysuckle	G272.12; A234.10; Pg1302;	24;
Caprifoliac	<i>Sambucus ebulus</i>	Dwarf Elder /Danewort	(G274.2b); A234.5; Pg1295	27;
Caprifoliac	<i>Sambucus nigra</i>	Common Elder	A234.5a; Pg1296;	23; 28;
Caprifoliac	<i>Sambucus racemosa</i>	Alpine /Red-berried Elder	G274.1; Pg1297;	27;
Caprifoliac	<i>Viburnum opulus</i>	Guelder Rose	(G274.1a); A232.6;	23; 25;
Caryophyllac	<i>Arenaria serpyllifolia</i>	Thyme-lyd Sandwort	A52.1; J84	25;

Caryophyllac	<i>Cerastium alpinum</i>	Alpine Mouse-ear	G46.7; A56.3	Mag;
Caryophyllac	<i>Cerastium fontanum</i>	Common Mouse-ear	G48.4; A56.5	23;
Caryophyllac	<i>Dianthus giganteiformis</i> (= <i>pontederae</i> )	Tall Pink	(G42.11a);	26;
Caryophyllac	<i>Lychnis flos-cuculi</i>	Ragged Robin	G34.8; A64.4	25; 26; 28;
Caryophyllac	<i>Moehringia trinervia</i>	Three-veined Sandwort	A52.3; J83;	25;
Caryophyllac	<i>Sagina apetala</i>	Annual Pearlwort	(G44.9a); (A60.2a); J85	27;
Caryophyllac	<i>Silene latifolia</i> (= <i>alba</i> )	White Campion	A64.2;	Mag;
Caryophyllac	<i>Silene nutans</i>	Nottingham Catchfly	G36.1; A62.2; Pg167;	29;
Caryophyllac	<i>Silene vulgaris</i>	Bladder Campion	G36.6; A62.1; Pg169;	25;
Caryophyllac	<i>Stellaria graminea</i>	Lesser Stitchwort	(G44.3a); A54.3;	29;
Caryophyllac	<i>Stellaria media</i>	Common Chickweed	G44.2; A54.5	Mag;
Caryophyllac	<i>Stellaria nemorum</i>	Wood Stitchwort	G44.1; A54.4	24; 27; 29;
Chenopodiaceae	<i>Chenopodium album</i>	Fat Hen	A46.2; J116	Mag;
Chenopodiaceae	<i>Chenopodium bonus-henricus</i>	Good King Henry	A46.1; J112	27;
Cistaceae	<i>Helianthemum nummularium</i>	Common Rockrose	G174.6; A158.1	Mag;
Convolvulac	<i>Convolvulus arvensis</i>	Field Bindweed	G212.10; A194.2	25;
Corylaceae	<i>Corylus avellana</i>	Hazel	G28.4; A32.2	23; 25;
Dipsacaceae	<i>Dipsacus fullonum</i>	Teasel	A236.5; J411	28;
Euphorbiac	<i>Euphorbia amygdaloides</i>	Wood Spurge	A144.1;	23;
Euphorbiac	<i>Euphorbia epithymoides</i> (= <i>polychroma</i> )		J205;	26;
Euphorbiac	<i>Euphorbia esula</i>	Leafy Spurge	A144.1b; J208;	26;
Euphorbiac	<i>Mercurialis perennis</i>	Dogs Mercury	G162.9; A144.10; Pg666	24;
Fabaceae	[ <i>Robinia pseudacacia</i> ]	False Acacia	A128.9; B488; Pg523;	23; 28;
Fabaceae	<i>Anthyllus vulneraria</i>	Common Kidney Vetch	A134.5	23; 25;
Fabaceae	<i>Chamaespartium sagittale</i> (= <i>Genistella</i> )	Winged Greenweed	G138.8; (A128.3b)	25; 26;
Fabaceae	<i>Genista tinctoria</i> (inc. <i>campestris</i> )	Dyer's Greenweed	G138.3; A128.3	Mag;
Fabaceae	<i>Lathyrus pratensis</i>	Meadow Vetchling	G148.6; A132.2; Pg555;	28;
Fabaceae	<i>Lathyrus sylvestris</i>	Narrow-ldd Everlasting Pea	A132.1a; J325; Pg560;	29;
Fabaceae	<i>Lathyrus tuberosus</i>	Tuberous Pea	(G148.8c); A132.7; J322; Pg559;	28;
Fabaceae	<i>Lotus corniculatus</i>	Birdsfoot Trefoil	(G154.3a); A136.1; Pg613;	Mag;
Fabaceae	<i>Lotus pedunculatus</i> (= <i>uliginosus</i> )	Greater Birdsfoot Trefoil	(A136.1b); B629; J306	27;
Fabaceae	<i>Medicago lupulina</i>	Black Medick	(G150.8a); A136.6;	23; 26;
Fabaceae	<i>Onobrychis montana</i>	Mountain Sainfoin	G156.4; J315	23; 25;
Fabaceae	<i>Onobrychis vicifolia</i>	Sainfoin	A134; J315	23;
Fabaceae	<i>Trifolium montanum</i>	Mountain Clover	G152.2; A138.2; Pg601;	Mag; 29;
Fabaceae	<i>Trifolium pratense</i>	Red Clover	G152.8; A138.1; Pg605;	23;
Fabaceae	<i>Trifolium repens</i>	White Clover	G152.3; A138.3;	23;
Fabaceae	<i>Vicia cracca</i>	Tufted Vetch	G146.5; A130.1; Pg545;	23; 28;
Fabaceae	<i>Vicia hirsuta</i>	Hairy Tare	G146.9; A130.6; Pg542;	23; 26; 28;
Fabaceae	<i>Vicia hybrida</i>	Hairy Yellow Vetchling	B527; Pg547, p 22;	28;
Fabaceae	<i>Vicia sativa</i>	Common Vetch	A130.5; Pg549;	23;
Fabaceae	<i>Vicia sepium</i>	Bush Vetch	G146.8; A130.3; Pg548;	27;
Fagaceae	[ <i>Castanea sativa</i> ]	Sweet Chestnut	A32.4;	23;
Fagaceae	<i>Fagus sylvatica</i>	Beech	G28.5; A32.3	23;
Fagaceae	<i>Quercus robur</i>	Pedunculate Oak	A32.6; Pg52; J67;	26;
Gentianaceae	<i>Gentiana cruciata</i>	Cross Gentian	G216.3; A192.3;	25;
Gentianaceae	<i>Gentiana utriculosa</i>	Bladder Gentian	G218.5; Pg990;	Mag;
Gentianaceae	<i>Gentiana verna</i> (= <i>Calathiana</i> )	Spring Gentian	G218.1; A192.1; Pg991;	25;
Geraniaceae	<i>Geranium dissectum</i>	Cut-ldd Cranesbill	A142.9; Pg648;	28;
Geraniaceae	<i>Geranium molle</i>	Dovesfoot Cranesbill	G160.2; A142.8; Pg649;	23; 27;
Geraniaceae	<i>Geranium phaeum</i>	Dusky Cranesbill	G158.8; A142.3c; Pg646;	23; Mag;
Geraniaceae	<i>Geranium robertianum</i>	Herb Robert	G160.3; A142.6; Pg650;	24;
Juglandaceae	[ <i>Juglans nigra</i> ]		M118; J71	Mag;
Lamiaceae	<i>Acinos alpinus</i>	Alpine Calamint	G238.5; J486	23;
Lamiaceae	<i>Ajuga genevensis</i>	Blue Bugle	(G230.1a); B1423; J470	Mag;
Lamiaceae	<i>Ajuga reptans</i>	Common Bugle	G230.2; A206.1	24;
Lamiaceae	<i>Glechoma hederacea</i>	Ground Ivy	G238.1; A208.3; Pg1118;	23;
Lamiaceae	<i>Lamium galeobdolon</i>	Yellow Archangel	G234.5; A210.9;	24; 25;
Lamiaceae	<i>Lamium album</i>	White Dead Nettle	G234.2; A210.1;	23;

Lamiaceae	<i>Lamium garganicum</i>	Large Red Deadnettle	B1475; Pg1131, p 39;	24;
Lamiaceae	<i>Lycopus europaeus</i>	Gypsywort	A214.5; J489; Pg1166;	27;
Lamiaceae	<i>Mentha aquatica</i>	Water Mint	G240.8; A214.1; Pg1169;	24;
Lamiaceae	<i>Prunella vulgaris</i>	Self-heal	G238.3; A208.1	29;
Lamiaceae	<i>Sabia pratensis</i>	Meadow Clary	G232.4; A212.1; J484; Pg1147;	25; 28;
Lamiaceae	<i>Sabia verticillata</i>	Whorled Clary	G232.5; (A212.2a); J483; Pg1145, p 40;	23; 25;
Lamiaceae	<i>Stachys officinalis</i>	Betony	G236.3; A212.9; Pg1141;	26; 29;
Lamiaceae	<i>Stachys sylvatica</i>	Hedge Woundwort	G236.5; A212.5; Pg1139;	27; 29;
Moraceae	[ <i>Morus alba</i> ]	White Mulberry	J73; B41; Pg61;	23;
Oleaceae	<i>Fraxinus excelsior</i>	Ash	G168.4; A36.4; Pg978;	23;
Oleaceae	<i>Fraxinus ornus</i>	Manna Ash	G168.5; (A36,4a); J385	24;
Oleaceae	<i>Syringa vulgaris</i>	Common Lilac	J386;	23;
Oxalidaceae	<i>Oxalis acetosella</i>	Wood Sorrel	G156.6; A140.1;	24; 25;
Papaveraceae	<i>Chelidonium majus</i>	Greater Celendine	G74.7; A84.9	24;
Papaveraceae	<i>Corydalis cava</i> (=bulbosa)	Bulbous Corydalis	G72.5; (A82.3a); J62	24;
Papaveraceae	<i>Corydalis solida</i>	Solid-tubered Corydalis	G72.6; A82.3; J62	24;
Papaveraceae	<i>Papaver rhoeas</i>	Common Poppy	G74.1; A84.1	23;
Plantaginac	<i>Plantago lanceolata</i>	Ribwort Plantain	G266.4; A232.3; Pg1286;	23;
Plantaginac	<i>Plantago major</i>	Greater Plantain	G266.5; A232.1; Pg1293	23;
Plantaginac	<i>Plantago media</i>	Hoary Plantain	G266.6; A232.2; Pg1292	23;
Polygalaceae	<i>Polygala amara</i>	Bitter Milkwort	G164.12;	Mag;
Polygonaceae	<i>Persicaria bistorta</i> (=Polygonum)	Bistort	G34.3; A40.1; Pg84;	26;
Polygonaceae	<i>Persicaria lapathifolia</i> (=Polygonum)	Pale Persicaria	A40.3a; J133; Pg82;	28;
Polygonaceae	<i>Persicaria maculata</i> (=Polygonum persicaria)	Redshank	A40.3; Pg82;	28;
Polygonaceae	<i>Rumex acetosa</i>	Common Sorrel	G32.6; A44.1	25;
Polygonaceae	<i>Rumex acetosella</i>	Sheeps Sorrel	G32.1; A44.2	27;
Polygonaceae	<i>Rumex alpinus</i>	Monks Rhubarb	G32.7; (A44.3d);	27;
Polygonaceae	<i>Rumex crispus</i>	Curled Dock	A44.3a;	25;
Polygonaceae	<i>Rumex obtusifolius</i>	Broad-ldv Dock	A44.3; J126	23;
Polygonaceae	<i>Rumex sanguineus</i>	Wood Dock	(A44.4a); J124	27;
Primulaceae	<i>Anagallis arvensis</i> (inc blue form)	Scarlet Pimpernel	A186.5; A186.5	25;
Primulaceae	<i>Cortusa matthiola</i>	Alpine Bells	G210.4; J222;	24;
Primulaceae	<i>Primula veris</i>	Cowslip	G202.3; A184.3; Pg939;	25;
Primulaceae	<i>Soldanella hungarica</i>	Hungarian Snowbell	(G210.7a); Kv192; Pg956c;	24;
Ranunculac	<i>Caltha palustris</i>	Marsh Marigold	G56.3; A72.2	24; 25;
Ranunculac	<i>Clematis alpina</i>	Alpine Clematis	G62.4; A76.7	24;
Ranunculac	<i>Ranunculus acris</i>	Meadow Buttercup	(G64.3a); A72.3;	Mag;
Ranunculac	<i>Ranunculus bulbosus</i>	Bulbous Buttercup	G66.1; A72.4; Pg237;	24;
Ranunculac	<i>Ranunculus constantinopolitanus</i>		Pg238b;	?24;
Ranunculac	<i>Ranunculus ophioglossifolius</i>	Adderstongue Spearwort	(A72.7b); Pg243;	26;
Ranunculac	<i>Trollius europaeus</i>	Globeflower	G54.7; A72.1; Pg204;	25;
Rhamnaceae	<i>Frangula alnus</i>	Alder Buckthorn	G170.5; A148.6	26; 29;
Rosaceae	<i>Crataegus monogyna</i>		G134.8; A120.6	23; 25;
Rosaceae	<i>Filipendula ulmaria</i>	Meadowsweet	(G118.4a); A112.1;	27; 28; 29;
Rosaceae	<i>Fragaria vesca</i>	Wild Strawberry	G130.6; A116.1;	Mag;
Rosaceae	<i>Geum rivale</i>	Water Avens	G124.7; A116.5; Pg443;	24; 27;
Rosaceae	<i>Geum urbanum</i>	Herb Bennet	G124.9; A116.6	27;
Rosaceae	<i>Potentilla anserina</i>	Silverweed	G124.4; A118.7; Pg456;	25;
Rosaceae	<i>Potentilla collina</i> agg.		(G126.9c); (A118.4a); J238; Pg452b;	26;
Rosaceae	<i>Potentilla erecta</i>	Tormentil	(G128.5d); A118.2; Pg4549	25; 26;
Rosaceae	<i>Rosa canina</i>	Dog Rose	G122.2; A114.1; Pg432;	23;
Rosaceae	<i>Rubus idaeus</i>	Raspberry	G118.6; A114.6	Mag; 25;
Rosaceae	<i>Sorbus aucuparia</i>	Rowan	G134.5; A120.4; Pg466;	23; 25;
Rosaceae	<i>Spiraea chamaedryfolia</i>	Elm-leaved Spiraea	G118.2; J229; Pg419c, d 270;	24;
Rubiaceae	<i>Cruciata glabra</i>		(A196.2a); (B1301); J396	23; 25;
Rubiaceae	<i>Cruciata laevipes</i>	Crosswort	A196.2; B1300;	25;
Rubiaceae	<i>Galium aparine</i>	Common Cleavers	A196.8;	25;
Rubiaceae	<i>Galium odoratum</i>	Woodruff	G270.2; A194.8; J397	24; 25;
Salicaceae	[ <i>Populus x canadensis</i> ]	Italian Poplar	(A30.3a); M108; J190;	23;

Salicaceae	<i>Populus tremula</i>	Aspen	G26.7; A30.2; J191; Pg32	23;
Salicaceae	<i>Salix caprea</i>	Goat Willow	A26.3; J198;	26;
Salicaceae	<i>Salix cinerea</i>	Grey Willow	A26.3a; J197;	26;
Salicaceae	<i>Salix fragilis</i>	Crack Willow	A26.2; M112; J192;	29;
Saxifragaceae	<i>Chrysosplenium alternifolium</i>	Alt-lvd Golden Saxifrage	A104.7a; Kv21; J287	24;
Saxifragaceae	<i>Saxifraga paniculata</i>	Livelong Saxifrage	G116.1; A108.4; Pg400;	24;
Saxifragaceae	<i>Saxifraga rotundifolia</i>	Round-lvd Saxifrage	G102.7; A108.2c; Pg403, d 136	24;
Scrophulariac	[ <i>Veronica persica</i> ]	Common Field Speedwell	A226.4; J445; Pg1223;	25;
Scrophulariac	<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax	G242.9; A220.7	30;
Scrophulariac	<i>Digitalis ambigua</i> (= <i>grandiflora</i> )	Large Yellow Foxglove	G248.1; A222.3; Pg1232;	25;
Scrophulariac	<i>Melampyrum nemorosum</i>		(G252.9b); A228.7b; J452	25; 29;
Scrophulariac	<i>Melampyrum pratense</i>	Common Cow-wheat	G252.9; A228.7; Pg1260;	26;
Scrophulariac	<i>Rhinanthus minor</i>	Yellow Rattle	G260.1; A228.2; J454	Mag; 26;
Scrophulariac	<i>Scrophularia nodosa</i>	Common Figwort	G244.4; A218.5; Pg1214;	26;
Scrophulariac	<i>Scrophularia scopoli</i>	Italian Figwort	G244.3; Pg1214a;	23;
Scrophulariac	<i>Verbascum nigrum</i>	Dark Mullein	G246.4; A218.2; Pg1190;	29;
Scrophulariac	<i>Verbascum phoeniceum</i>		A218.4b; J435; Pg1192;	29;
Scrophulariac	<i>Verbascum thapsus</i>	Great Mullein	G246.2; A218.2; J434;	29;
Scrophulariac	<i>Veronica acinifolia</i>	French Speedwell	A226.8a; J442 Pg1221a;	26;
Scrophulariac	<i>Veronica arvensis</i>	Wall Speedwell	G250.5; A226.7; Pg1220;	27;
Scrophulariac	<i>Veronica beccabunga</i>	Brooklime	G252.3; A226.1; Pg1225;	25; 27;
Scrophulariac	<i>Veronica chamaedrys</i>	Germander Speedwell	G252.2; A224.3; Pg1228;	23; 25;
Scrophulariac	<i>Veronica montana</i>	Wood Speedwell	G250.3; A224.5; Pg1227;	25; 26;
Scrophulariac	<i>Veronica urticifolia</i>	Nettle-lvd Speedwell	G250.1; J448; Pg1229a;	27;
Tiliaceae	<i>Tilia x vulgaris</i>	Common Lime	G168.3b; A36.3b;	28;
Urticaceae	<i>Urtica dioica</i>	Stinging Nettle	G30.1; A38.7	23;
Valerianaceae	<i>Valeriana tripteris</i>	Three-lvd Valerian	G274.7; J410; Pg1315;	24;
Violaceae	<i>Viola biflora</i>	Yellow Wood Violet	G178.10; A156.3; Pg782;	24;
Violaceae	<i>Viola tricolor</i>	Heartsease	G180.10; A156.4; Pg783;	Mag;

Alismataceae	<i>Alisma plantago-aquatica</i>	Common Water-Plantain	A270.1; J583	26;
Amaryllidac	<i>Narcissus poeticus</i>	Poet's Narcissus	G334.4; A282.3; J612;	26;
Cyperaceae	<i>Carex otrubae</i>	False Fox Sedge	F130.1;	28;
Cyperaceae	<i>Carex riparia</i>	Greater Pond Sedge	F142.2; J673;	28;
Cyperaceae	<i>Carex rostrata</i>	Bottle Sedge	F144.1; J672;	26;
Cyperaceae	<i>Carex sylvatica</i>	Wood Sedge	F146.1; J673;	25; 29;
Cyperaceae	<i>Schoenoplectus lacustris</i> (= <i>Scirpus</i> )	Common Club-rush / Bulrush	F116.1; J644	28;
Cyperaceae	<i>Scirpus sylvaticus</i>	Wood Club-rush	F114.1; J643	27; 29;
Iridaceae	[ <i>Sisyrinchium montanum</i> ]			27;
Iridaceae	<i>Iris aphylla</i>		(G336.9a); J614;	Mag;
Iridaceae	<i>Iris pseudacorus</i>	Yellow Flag	G336.7; A284.3	28;
Iridaceae	<i>Iris sibirica</i>	Siberian Iris	A284.1; J616; Pg1687	29;
Juncaceae	<i>Juncus conglomeratus</i>	Compact Rush	F170.5; J633	28;
Juncaceae	<i>Juncus effusus</i>	Soft Rush	F170.4; J632	26; 28;
Juncaceae	<i>Juncus inflexus</i>	Hard Rush	F170.1; J632	25;
Juncaceae	<i>Luzula campestris</i>	Field Wood-rush	F180.1; J642	Mag; 25; 26;
Juncaceae	<i>Luzula luzuloides</i> (= <i>nemerosa</i> )	White Wood-rush	F182.2; J639	27; 29;
Liliaceae	<i>Paris quadrifolia</i>	Herb Paris	G332.5; A280.3	24;
Liliaceae	<i>Polygonatum odoratum</i>	Scented Solomons Seal	G322.3; A280.1a; Pg1654	25;
Liliaceae	<i>Veratrum album</i>	White False Helleborine	G326.1; A272.6; Pg1586;	26; 29;
Orchidaceae	<i>Dactylorhiza</i> cf. <i>cordigera</i>	Heart-shaped Marsh Orchid	Df196; Bt80;	25;
Orchidaceae	<i>Dactylorhiza</i> cf. <i>incarnata</i>	Early Marsh Orchid	Bt90; G340.6; Df182	29;
Orchidaceae	<i>Gymnadenia conopsea</i>	Fragrant Orchid	Bt64; G342.7; Df152	25; 29;
Orchidaceae	<i>Listera ovata</i> (= <i>Neottia</i> )	Twayblade	Bt42; G344.4; Df120	25; 26;
Orchidaceae	<i>Neottia nidus-avis</i>	Birds Nest Orchid	Bt40; G344.5; Df119	24; 25; 29;
Orchidaceae	<i>Orchis morio</i>	Green-winged Orchid	Bt136; G338.7; Df289	Mag;
Orchidaceae	<i>Orchis ovalis</i> (= <i>mascula</i> var. <i>signifera</i> )		Df326;	29;
Orchidaceae	<i>Platanthera bifolia</i>	Lesser Butterfly Orchid	Bt54; G344.3; Df140	25; 26;
Poaceae	<i>Alopecurus pratensis</i>	Meadow Foxtail	F100.1; J720	28;
Poaceae	<i>Anthoxanthemum odoratum</i>	Sweet Vernal Grass	F90.3; J722	Mag;

Poaceae	<i>Arrhenatherum elatius</i>	False Oat-grass	F84.4; J711	28;
Poaceae	<i>Bromus bordaceus</i> (= <i>mollis</i> )	Soft Brome	F76.1; J680	23;
Poaceae	<i>Dactylis glomerata</i> inc. ssp. <i>ascbersoniana</i> (= <i>D.polygama</i> )	Cocksfoot	F62.2;	23;
Poaceae	<i>Festuca ovina</i>	Sheep's Fescue	F48.4; J685;	26;
Poaceae	<i>Glyceria plicata</i> (= <i>notata</i> )	Plicate Sweet Grass	F68.4; J690	26;
Poaceae	<i>Holcus lanatus</i>	Yorkshire Fog	F90.4; J716	23; 26;
Poaceae	<i>Hordeum murinum</i>	Wall Barley	F82.2; J702	23;
Poaceae	<i>Lolium perenne</i>	Perennial Ryegrass	F50.2; J682	27;
Poaceae	<i>Nardus stricta</i>	Mat Grass	F106.4; J723	25;
Poaceae	<i>Phalaris arundinacea</i>	Reed Canary Grass	F102.3; J721	28;
Poaceae	<i>Phragmites australis</i>	Common Reed	F102.6;	23; 28;
Poaceae	<i>Poa annua</i>	Annual Meadow Grass	F54.3; J692	Mag;
Poaceae	<i>Poa nemoralis</i>	Wood Meadow Grass	F58.3; J695	26;
Poaceae	<i>Poa trivialis</i>	Rough Meadow Grass	F56.1; J695	23;