

Plant species of the marsh and mountain

68 species of vascular plants were found on the marsh, including 39 species (57%) that were only found here. By comparison 81 species were found on the mountain, of which 52 species (64%) were unique to this area. In total 120 species were found.

Each broad area shows considerable heterogeneity. Botanically, the richest areas of the marsh are the area around the stables (33 species), the pastureland (31 species) and the avenue of *Fraxinus ornus* (manna ash) (26 species). The area around the ringing site is not botanically rich (20 species). Very little work was done on wetland species. Few were flowering, making them very hard to identify.

Table 1. Species found in the marsh habitats

Abundances follow the DAFOR scale (Dominant, Abundant, Frequent, Occasional, Rare)

Species	Avenue	Stables	Ringing	Pasture
<i>Adonis annua</i>	F			O-LD
<i>Allium (trifoliatum)</i>		R		
<i>Alopecurus myosuroides</i>			04/04/01	R
<i>Alopecurus ventricosus</i>		F		
<i>Anagallis arvensis</i>	O	O	04/04/01	R
<i>Anagallis monelli</i>	O			
<i>Anchusa hybrida</i>		O		
<i>Anemone coronaria</i>	F	O		O
<i>Astragalus hamosus</i>	O			R
<i>Avena (alba)</i>	A	F		
<i>Bellevia spp</i>		R		
<i>Bellis spp</i>	O			F-LD
<i>Bromus (palestinus)</i>	A	A		
<i>Capsella bursa-pastoris</i>	A	A	04/04/01	A
<i>Cardaria draba</i>	F	A		
<i>Catapodium rigidum</i>	A			
<i>Coronilla scorpioides</i>	O			O
<i>Cynoglossum creticum</i>	O			
<i>Cynosurus echinatus</i>		O		
<i>Erodium cicutarium</i>	O	O	04/04/01	O
<i>Erodium moschatum</i>	F	O	04/04/01	F
<i>Euphorbia helioscopia</i>	O			
<i>Fraxinus ornus</i>		O		
<i>Fumaria spp</i>				R
<i>Galium aparine</i>		O		
<i>Galium spp</i>			04/04/01	F-LD
<i>Geranium dissectum</i>		F	04/04/01	F
<i>Geranium molle</i>	O			
<i>Geranium purpureum</i>				O
<i>Gynandris sisyrinchium</i>		R		
<i>Hordeum leporinum</i>		F	04/04/01	A
<i>Hordeum nodosum</i>		O		
<i>Lamium amplexicaule</i>	R		04/04/01	O
<i>Linum bienne</i>				R
<i>Lotus spp</i>			04/04/01	
<i>Muscari comosum</i>	R			
<i>Myosotis (caespitosa)</i>				R
<i>Myosotis spp</i>			04/04/01	

<i>Ornithogalum umbellatum</i>	R			F
<i>Parentucellia latifolia</i>				F
<i>Phleum (nodosum)</i>		F	04/04/01	
<i>Plantago lanceolata</i>		F		
<i>Platanus spp</i>		O		
<i>Potentilla erecta</i>			04/04/01	F
<i>Ranunculus (marginatus)</i>		A-LD		
<i>Ranunculus millefoliatus</i>	O			
<i>Ranunculus paludosus</i>				O
<i>Ranunculus sphaerospermus</i>			04/04/01	
<i>Raphanus raphanistrum</i>	O	O		O
<i>Reseda lutea</i>			04/04/01	O
<i>Rosa spp</i>		O-LD		
<i>Rubus spp</i>		O-LD		
<i>Scandix iberica</i>	F	O		
<i>Senecio vernalis</i>				O
<i>Sherardia arvensis</i>		O	04/04/01	
<i>Silene spp</i>				R
<i>Silybium spp</i>		O-LD		
<i>Sonchus spp</i>		O		O
<i>Spergula arvensis</i>				R
<i>Stellaria media</i>			04/04/01	F
<i>Taraxacum spp</i>			04/04/01	
<i>Trifolium repens</i>		O-LD		
<i>Trifolium resupinatum</i>	F	O-LD	04/04/01	O-LD
<i>Trifolium stellatum</i>	R			O
<i>Trifolium tomentosum</i>	R			
<i>Ulmus minor</i>		O		
<i>Veronica (anagallis-aquatica)</i>			04/04/01	
<i>Veronica (persica)</i>		R		

Three relatively discrete areas of the mountain were surveyed. The slope that was used as the first bird-ringing site appeared extremely heavily grazed and browsed and was floristically much poorer than the other areas (37 species, 3 unique to the area). Although part of this area was covered with *Quercus calliprinos* woodland, the trees were very heavily browsed and there was no regeneration and almost no shrub layer. The ground flora was dominated by species such as *Trifolium resupinatum*, *Erodium malacoides*, *E. moschatum* and *E. cicutarium*, with most other species only occasional or rare.

The three species unique to this area are *Glaucium leiocarpum*, *Hypocoum imberbe* (found on cultivated land and waste places (Blamey & Grey-Wilson 1993)) and *Lamium moschatum* (found on waste and fallow ground, field margins, sides of irrigation ditches, occasionally in rocky places).

The area across the gorge from this slope is much richer (52 species, 13 unique to the area). This area is much more rocky, in places it is effectively limestone pavement, and less heavily grazed. Rather than being dominated by a few species, there is a more even diversity. The wooded area has a much better defined understorey and the open areas have many bushes of *Calycotome villosa*, *Quercus calliprinos*, *Prunus spp*, *Rhamnus punctatus* etc. The herb layer is rich and grassy, with an abundance of fine grasses (not flowering and so not identified) and no species or group of species dominating.

The species unique to this area are

<i>Acer (monspessulanum)</i>	
<i>Arabis verna</i>	Shaded places, rocks and walls, roadsides (Blamey & Grey-Wilson 1993). Found on the cliffs of Site 2. Other sites without cliffs.
<i>Asperula arvensis</i>	Fields, cultivated, waste and fallow land, vineyards
<i>Cruciata pedemontana</i>	Dry, grassy habitats and scrub, often in the mountains
<i>Euphorbia spp</i>	
<i>Geranium lucidum</i>	Shaded habitats
<i>Geranium rotundifolium</i>	
<i>Lathyrus aphaca</i>	
<i>Orchis tridentata</i>	
<i>Symphytum spp</i>	
<i>Tulipa montana</i>	
<i>Valeriana spp</i>	
<i>Veronica syriaca</i>	

The second ringing site, above the Druze holy site, is different again. There is more open ground (rather than cliff, boulders and limestone pavement) than the second site (although it is still very rocky) and it appears less grazed than either of the other sites. The wooded areas have a much better structure, and the herb layer is very diverse. Fewer species were found here than at the above site (44 species, 10 unique to the area), but less time was spent there, so it is likely that it will prove richer than is currently apparent.

Table 1. Species found on the mountain

Abundances follow the DAFOR scale (Dominant, Abundant, Frequent, Occasional, Rare)

Species	First ringing site	Opposite first ringing site	Druze temple
<i>Acer (monspessulanum)</i>		R	
<i>Adonis annua</i>			10/04/01
<i>Allium (trifoliatum)</i>	F	F	
<i>Anchusa hybrida</i>			10/04/01
<i>Anemone coronaria</i>	O	O	
<i>Arabis verna</i>		O	
<i>Asperula arvensis</i>		R	
<i>Astragalus hamosus</i>		O	
<i>Avena (alba)</i>	R		10/04/01
<i>Bellevalia spp</i>	R	O	
<i>Biscutella didyma</i>		F	10/04/01
<i>Briza maxima</i>			10/04/01
<i>Calycotome villosa</i>	O	F	10/04/01
<i>Campanula spp</i>		O	10/04/01
<i>Capsella bursa-pastoris</i>	F		
<i>Catapodium rigidum</i>			10/04/01
<i>Coronilla parviflora</i>			10/04/01
<i>Coronilla scorpioides</i>			10/04/01
<i>Crataegus monogyna</i>		LF	10/04/01
<i>Cruciata pedemontana</i>		O	
<i>Erodium cicutarium</i>	O		
<i>Erodium gruinum</i>	O	F	
<i>Erodium malacoides</i>	A	O	10/04/01
<i>Erodium moschatum</i>	A		
<i>Euphorbia spp</i>		R	
<i>Geranium lucidum</i>		R	

<i>Geranium molle</i>	R		
<i>Geranium purpureum</i>		O	10/04/01
<i>Geranium rotundifolium</i>		O	
<i>Glaucium leiocarpum</i>	R		
<i>Gynandris sisyrinchium</i>		O	
<i>Hordeum leporinum</i>	F		
<i>Hypocoum imberbe</i>	O-LD		
<i>Lamium moschatum</i>	R		
<i>Lamium striatum</i>		O	10/04/01
<i>Lathyrus aphaca</i>		O	
<i>Lathyrus blepharicarpus</i>	O	F	10/04/01
<i>Lathyrus digitatus</i>	O	O	
<i>Linum nodiflorum</i>			10/04/01
<i>Linum pubescens</i>	O	F	10/04/01
<i>Medicago orbicularis</i>	F	O	10/04/01
<i>Muscari comosum</i>		O	
<i>Onobrychis crista-galli</i>			10/04/01
<i>Onosma (aucherana)</i>	O	O	
<i>Orchis anatolica</i>	R	F	10/04/01
<i>Orchis tridentata</i>		R	
<i>Ornithogalum spp</i>	O	O	10/04/01
<i>Ornithogalum umbellatum</i>		F	
<i>Papaver rhoeas</i>	R		
<i>Parentucellia latifolia</i>		O	
<i>Phlomis spp</i>	O	F	10/04/01
<i>Quercus calliprinos</i>	LD	LD	10/04/01
<i>Ranunculus millefoliatus</i>	O	F	10/04/01
<i>Ranunculus paludosus</i>	O	O	10/04/01
<i>Rhamnus punctatus</i>		A	10/04/01
<i>Salvia multicaulis</i>			10/04/01
<i>Salvia spp</i>	R	O	
<i>Sanguisorba spp</i>			10/04/01
<i>Sarcopoterium villosa</i>		F	10/04/01
<i>Scandix iberica</i>	F	F	10/04/01
<i>Scorzonera (mollis)</i>			10/04/01
<i>Senecio vernalis</i>	O		
<i>Sherardia arvensis</i>	R		10/04/01
<i>Spartium junceum</i>		O	10/04/01
<i>Stellaria media</i>	F	F	
<i>Symphytum spp</i>		O	
<i>Trifolium eriosphaerum</i>		F	10/04/01
<i>Trifolium pilulare</i>			10/04/01
<i>Trifolium repens</i>	F		10/04/01
<i>Trifolium resupinatum</i>	A	F	10/04/01
<i>Trifolium stellatum</i>	F	F	10/04/01
<i>Trifolium tomentosum</i>			10/04/01
<i>Tulipa montana</i>		R	
<i>Umbilicus spp</i>			10/04/01
<i>Valeriana spp</i>		O	
<i>Valerianella spp</i>	O	F	10/04/01
<i>Veronica (persica)</i>		O	10/04/01
<i>Veronica syriaca</i>		O	
<i>Vicia angustifolia</i>		O	10/04/01
<i>Vicia cypria</i>	R	O	
<i>Vicia lutea</i>			10/04/01