

## Appendix 1: Botanical Surveys of the four sites.

The vegetation survey at all sites was carried out between the 23<sup>rd</sup> June and 6<sup>th</sup> August 2003 (see Chapter 2 section 2.2.4), plant nomenclature follows Stace (1997).

### Glas Maol: Botanical survey of seed trapping stations, 24/6/03, species composition in 4 x 4m plot.

700m (NO142775)

Species	% Cover	Comments
<i>Calluna vulgaris</i>	50	
<i>Nardus stricta</i>	10	
<i>Carex panicea</i>	3	
<i>Anthoxanthum odoratum</i>	2	
<i>Deschampsia cespitosa</i>	2	
<i>Carex pulicaris</i>	1	
<i>Empetrum nigrum</i>	1	
<i>Eriophorum vaginatum</i>	1	
<i>Juncus bufonius</i>	1	
<i>Juncus squarrosus</i>	1	
<i>Agrostis canina</i>	<1	
<i>Agrostis capillaris</i>	<1	
<i>Alchemilla alpina</i>	<1	
<i>Alchemilla mollis</i>	<1	
<i>Anemone nemorosa</i>	<1	
<i>Campanula rotundifolia</i>	<1	
<i>Deschampsia flexuosa</i>	<1	
<i>Festuca vivipara</i>	<1	
<i>Galium saxatile</i>	<1	
<i>Leontodon sp.</i>	<1	
<i>Listera cordata</i>	<1	
<i>Luzula sp.</i>	<1	
<i>Pinguicula vulgaris</i>	<1	
<i>Polygonum viviparum</i>	<1	
<i>Potentilla erecta</i>	<1	
<i>Succisa pratensis</i>	<1	
<i>Thalictrum alpinum</i>	<1	
<i>Vaccinium myrtillus</i>	<1	
<i>Vaccinium vitis-idaea</i>	<1	
<i>Viola riviniana</i>	<1	
	3	Rock
	3	Bare ground
	15	Moss cover

Glas Maol

750m (NO148773)

Species	%Cover	Comments
<i>Calluna vulgaris</i>	85	
<i>Vaccinium myrtillus</i>	5	
<i>Rubus chamaemorus</i>	2	
<i>Vaccinium vitis-idaea</i>	2	
<i>Deschampsia flexuosa</i>	1	
<i>Eriophorum angustifolium</i>	1	
<i>Juncus squarrosus</i>	1	
<i>Trichophorum cespitosum</i>	1	
<i>Carex</i> sp.	<1	
<i>Empetrum nigrum</i>	<1	
<i>Melampyrum pratense</i>	<1	
	5	mosses

800m (NO150773)

Species	% Cover	Comments
<i>Calluna vulgaris</i>	50	
<i>Empetrum nigrum</i>	10	
<i>Vaccinium myrtillus</i>	10	
<i>Carex bigelowii</i>	3	
<i>Deschampsia flexuosa</i>	2	
<i>Juncus squarrosus</i>	1	
<i>Nardus stricta</i>	1	
<i>Vaccinium vitis-idaea</i>	1	
	20	Mosses
	3	Bare ground
	2	Rock

850m (NO152772)

Species	% Cover	Comments
<i>Calluna vulgaris</i>	75	
<i>Vaccinium myrtillus</i>	7	
<i>Empetrum nigrum</i>	4	
<i>Alchemilla alpina</i>	1	
<i>Carex bigelowii</i>	1	
<i>Carex pilulifera</i>	1	
<i>Deschampsia flexuosa</i>	1	
<i>Festuca ovina</i>	1	
<i>Diphasiatrum alpinum</i>	<1	
<i>Galium saxatile</i>	<1	
<i>Nardus stricta</i>	<1	
<i>Vaccinium vitis-idaea</i>	<1	
	1	Rock
	2	Bare ground
	15	Moss / Lichen

900m (NO155772)

Species	% Cover	Comments
<i>Vaccinium myrtillus</i>	45	
<i>Nardus stricta</i>	25	
<i>Carex bigelowii</i>	20	
<i>Deschampsia flexuosa</i>	2	
<i>Galium saxatile</i>	1	
<i>Agrostis capillaris</i>	<1	
<i>Luzula multiflora</i>	<1	
<i>Melampyrum pratense</i>	<1	
	7	Moss

950m (NO159769)

Species	% Cover	Comments
<i>Vaccinium myrtillus</i>	20	
<i>Festuca vivipara</i>	15	
<i>Alchemilla alpina</i>	10	
<i>Carex bigelowii</i>	10	
<i>Deschampsia flexuosa</i>	2	
<i>Galium saxatile</i>	2	
<i>Nardus stricta</i>	1	
<i>Rumex acetosa</i>	1	
<i>Carex pilulifera</i>	<1	
<i>Cerastium fontanum</i>	<1	
<i>Deschampsia flexuosa</i>	<1	
<i>Salix herbacea</i>	<1	
<i>Vaccinium vitis-idaea</i>	<1	
	20	Moss
	15	Bare ground
	5	Rock

1000m (NO160769)

Species	% Cover	Comments
<i>Salix herbacea</i>	15	
<i>Carex bigelowii</i>	10	
<i>Deschampsia flexuosa</i>	10	
<i>Vaccinium myrtillus</i>	10	
<i>Agrostis capillaris</i>	5	
<i>Festuca vivipara</i>	5	
<i>Galium saxatile</i>	5	
<i>Alchemilla alpina</i>	<1	
<i>Anthoxanthum odoratum</i>	<1	
<i>Carex pilulifera</i>	<1	
<i>Gnaphalium supinum</i>	<1	
<i>Huperzia selago</i>	<1	
<i>Nardus stricta</i>	<1	
	20	Moss
	10	Bare ground
	10	Rock

**Beinn a' Bhuid: Botanical survey of seed trapping stations, 26/6/03,  
species composition in 4 x 4m plot.**

700m (NO078964)

Species	% Cover	Comments
<i>Calluna vulgaris</i>	100	Seed trapping station missing
<i>Trichophorum cespitosum</i>	<1	but likely main species.
<i>Rubus chamaemorus</i>	<1	
<i>Eriophorum Sp.</i>	<1	

750m (NO075969)

Species	% Cover	Comments
<i>Calluna vulgaris</i>	95	
<i>Scirpus cespitosus</i>	1	
<i>Vaccinium myrtillus</i>	1	
<i>Carex bigelowii</i>	<1	
<i>Carex panicea</i>	<1	
<i>Empetrum nigrum</i>	<1	
<i>Huperzia selago</i>	<1	
	3	Lichens

800m (NO075973)

Species	% Cover	Comments
<i>Calluna vulgaris</i>	80	
<i>Carex pilulifera</i>	3	
<i>Carex panicea</i>	<1	
<i>Diphysiatrum alpinum</i>	<1	
<i>Huperzia selago</i>	<1	
<i>Juncus trifidus</i>	<1	
<i>Scirpus cespitosus</i>	<1	
<i>Vaccinium myrtillus</i>	<1	
<i>Vaccinium vitis-idaea</i>	<1	
	9	Lichens
	4	Rock
	4	Bare ground

850m (NO076974)

Species	% Cover	Comments
<i>Calluna vulgaris</i>	45	
<i>Empetrum nigrum</i>	25	
<i>Vaccinium myrtillus</i>	5	
<i>Carex bigelowii</i>	1	
<i>Carex pilulifera</i>	1	
<i>Deschampsia flexuosa</i>	<1	
<i>Festuca vivipara</i>	<1	
<i>Vaccinium vitis-idaea</i>	<1	
	15	Lichen / Moss
	8	Rock

Beinn a' Bhuid  
900m (NO077976)

Species	% Cover	Comments
<i>Calluna vulgaris</i>	84	
<i>Carex pilulifera</i>	5	
<i>Juncus trifidus</i>	1	
<i>Carex bigelowii</i>	<1	
<i>Diphasiatrum alpinum</i>	<1	
<i>Huperzia selago</i>	<1	
<i>Scirpus cespitosa</i>	<1	
	5	Rock
	5	Bare ground

950m (NO077981)

Species	% Cover	Comments
<i>Empetrum nigrum</i>	35	
<i>Calluna vulgaris</i>	15	
<i>Vaccinium myrtillus</i>	10	
<i>Diphasiatrum alpinum</i>	7	
<i>Juncus trifidus</i>	4	
<i>Carex bigelowii</i>	3	
<i>Deschampsia flexuosa</i>	<1	
	30	Lichens

1000m (NO081987)

Species	% Cover	Comments
<i>Vaccinium myrtillus</i>	42	
<i>Juncus trifidus</i>	10	
<i>Carex bigelowii</i>	2	
<i>Salix herbacea</i>	2	
<i>Carex pilulifera</i>	<1	
<i>Deschampsia flexuosa</i>	<1	
<i>Diphasiatrum alpinum</i>	<1	
<i>Empetrum nigrum</i>	<1	
<i>Huperzia selago</i>	<1	
	43	Lichens
	3	Bare ground
	1	Rock

**Derry Cairngorm: Botanical survey of seed trapping stations, 27/6/03,  
species composition in 4 x 4m plot.**

700m (NO032946)

Species	% Cover	Comments
<i>Calluna vulgaris</i>	85	
<i>Scirpus cespitosa</i>	5	
<i>Arctostaphylos uva-ursi</i>	<1	
<i>Carex panicea</i>	<1	
<i>Erica tetralix</i>	<1	
	10	Lichens
	5	Rock

750m (NO030949)

Species	% Cover	Comments
<i>Calluna vulgaris</i>	60	
<i>Arctostaphylos uva-ursi</i>	15	
<i>Carex pilulifera</i>	<1	
<i>Pinus sylvestris</i>	<1	
	11	Lichens
	10	Rock
	4	Bare ground

800m (NO027951)

Species	% Cover	Comments
<i>Calluna vulgaris</i>	90	
<i>Carex pilulifera</i>	5	
<i>Carex bigelowii</i>	<1	
<i>Huperzia selago</i>	<1	
	5	Lichens
	<1	Bare ground

850m (NO023960)

Species	% Cover	Comments
<i>Calluna vulgaris</i>	93	
<i>Carex pilulifera</i>	1	
<i>Lycopodium annotinum</i>	1	
<i>Scirpus cespitosa</i>	1	
<i>Carex bigelowii</i>	<1	
<i>Huperzia selago</i>	<1	
	2	Rock
	1	Bare ground
	1	Lichen

Derry Cairngorm  
900m (NO023965)

Species	% Cover	Comments
<i>Empetrum nigrum</i>	15	Bolder field
<i>Calluna vulgaris</i>	5	
<i>Vaccinium myrtillus</i>	2	
<i>Carex pilulifera</i>	1	
<i>Carex bigelowii</i>	<1	
<i>Deschampsia flexuosa</i>	<1	
<i>Huperzia selago</i>	<1	
<i>Juncus trifidus</i>	<1	
	65	Rock
	5	Bare ground
	2	Lichens
	1	Moss

950m (NO020969)

Species	% Cover	Comments
<i>Nardus stricta</i>	71	Snow bed
<i>Calluna vulgaris</i>	10	
<i>Scirpus cespitosus</i>	10	
<i>Empetrum nigrum</i>	5	
<i>Deschampsia flexuosa</i>	1	
<i>Potentilla erecta</i>	1	
<i>Vaccinium myrtillus</i>	1	
<i>Vaccinium uliginosum</i>	1	
<i>Agrostis capillaris</i>	<1	
<i>Campanula rotundifolia</i>	<1	
<i>Carex bigelowii</i>	<1	
<i>Carex panicea</i>	<1	
<i>Deschampsia cespitosa</i>	<1	
<i>Diphysiatrum alpinum</i>	<1	
<i>Huperzia selago</i>	<1	
<i>Loiseleuria procumbens</i>	<1	
<i>Vaccinium vitis-idaea</i>	<1	
<i>Viola riviniana</i>	<1	
	<1	Mosses
	<1	Lichens

1000m (NO021974)

Species	% Cover	Comments
<i>Nardus stricta</i>	50	Snow bed
<i>Vaccinium uliginosum</i>	20	
<i>Empetrum nigrum</i>	10	
<i>Scirpus cespitosus</i>	10	
<i>Vaccinium myrtillus</i>	10	
<i>Carex bigelowii</i>	2	
<i>Carex pilulifera</i>	<1	
<i>Deschampsia flexuosa</i>	<1	
<i>Diphysiatrum alpinum</i>	<1	
<i>Huperzia</i>	<1	
<i>Potentilla erecta</i>	<1	
<i>Solidago virgaurea</i>	<1	
<i>Vaccinium vitis-idaea</i>	<1	
	<1	Lichens
	<1	Moss

**Glas Tulaichean: Botanical survey of seed trapping stations, 6/8/03,  
species composition in 4 x 4m plot.**

700m (NO055733)

Species	% Cover	Comments
<i>Calluna vulgaris</i>	100	
<i>Vaccinium myrtillus</i>	1	
<i>Deschampsia flexuosa</i>	<1	
<i>Festuca ovina</i>	<1	
<i>Juncus squarrosus</i>	<1	
<i>Vaccinium vitis-idaea</i>	<1	
	3	Moss

750m (NO053734)

Species	%	Comments
<i>Calluna vulgaris</i>	100	
<i>Vaccinium myrtillus</i>	1	
<i>Carex bigelowii</i>	<1	
<i>Deschampsia flexuosa</i>	<1	
	<1	Lichen

800m (NO050738)

Species	% Cover	Comments
<i>Calluna vulgaris</i>	85	
<i>Empetrum nigrum</i>	10	
<i>Carex bigelowii</i>	<1	
<i>Deschampsia flexuosa</i>	<1	
<i>Juncus trifidus</i>	<1	
<i>Trichophorum cespitosum</i>	<1	
<i>Vaccinium myrtillus</i>	<1	
	4	Bare ground
	1	Lichen
	<1	Moss

850m (NO049744)

Species	% Cover	Comments
<i>Calluna vulgaris</i>	83	
<i>Empetrum nigrum</i>	10	
<i>Vaccinium myrtillus</i>	1	
<i>Carex bigelowii</i>	<1	
<i>Carex pilulifera</i>	<1	
<i>Deschampsia flexuosa</i>	<1	
<i>Festuca ovina</i>	<1	
<i>Vaccinium vitis-idaea</i>	<1	
	2	Lichens
	2	Rock
	1	Bare ground
	<1	Moss



Glas Tulaichean  
900m (NO047752)

Species	% Cover	Comments
<i>Calluna vulgaris</i>	57	
<i>Empetrum nigrum</i>	25	
<i>Carex bigelowii</i>	3	
<i>Vaccinium myrtillus</i>	1	
<i>Vaccinium vitis-idaea</i>	1	
<i>Huperzia selago</i>	<1	
<i>Carex pilulifera</i>	<1	
<i>Festuca ovina</i>	<1	
	7	Lichen
	5	Bare ground

950m (NO047755)

Species	% Cover	Comments
<i>Empetrum nigrum</i>	35	
<i>Deschampsia flexuosa</i>	20	
<i>Festuca ovina</i>	20	
<i>Nardus stricta</i>	7	
<i>Vaccinium vitis-idaea</i>	4	
<i>Carex bigelowii</i>	4	
<i>Vaccinium myrtillus</i>	3	
<i>Diphasiatrum alpinum</i>	3	
<i>Juncus trifidus</i>	2	
<i>Alchemilla alpina</i>	<1	
<i>Carex pilulifera</i>	<1	
<i>Galium saxatile</i>	<1	
<i>Loiseleuria procumbens</i>	<1	
	2	Lichens
	<1	Moss

1000m (NO048758)

Species	% Cover	Comments
<i>Festuca ovina / vivipara</i>	33	
<i>Carex bigelowii</i>	15	
<i>Vaccinium vitis-idaea</i>	15	
<i>Empetrum nigrum</i>	8	
<i>Deschampsia flexuosa</i>	5	
<i>Vaccinium myrtillus</i>	3	
<i>Juncus trifidus</i>	1	
<i>Diphasiatrum alpinum</i>	<1	
<i>Galium saxatile</i>	<1	
	10	Moss
	10	Lichen

