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George Gordon Graham

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TABLE VI/6

DIPLOPHYLLUM-BARTRAMIA Community

	B	B	B
Aufnahme No.	14	16	15
Species total	16	13	17
Aspect	NNE	N	N
Slope °	80- 100	80- 90	45- 70
Quadrat size (m ²)	2x $\frac{1}{2}$	1	1
Cover (Domin): Tree	9	6	9
Shrub	.	.	.
Herb	4	4	4
Bryop.	9	7	9
<u>Character species</u>			
Bartramia pomiformis	6	5	2
Pohlia nutans	4	6	1
<u>Structurally dominant cryptogams</u>			
Diplophyllum albicans	5	3	5
Mnium hornum	6	3	7
Dicranum majus	.	.	6
<u>Other species</u>			
Hypnum cupressiforme	.	3	1
Lepraria incana	3	4	.
Cladonia macilenta	3	.	4
C. coniocraea	2	.	3
C. chlorophaea	.	2	2
C. squamosa	3	.	1
Festuca ovina ssp. tenuifolia	1	.	3
Agrostis tenuis	1	.	2
<u>Canopy cover</u>			
Betula pubescens	9	6	9

Occurring once:

(14) *Vaccinium myrtillus* 2; *Campanula rotundifolia* 1;
Dryopteris pseudomas 2; *Athyrium filix-femina* 1; *Polytrichum*
aloides 3. (16) *Fissidens bryoides* 2; *Lophocolea bidentata* 1;
Eurhynchium praelongum 1; *Lophozia ventricosa* 1; *Calypogeia*
fissa 1. (15) *Deschampsia flexuosa* 3; *Dicranum scoparium* 1;
Plagiothecium denticulatum 3; *Dicranella heteromalla* 2.

TABLE VI/7

ASSOCIATION NARDIETUM SCALARIS

	B	B	B	B	B	B
Aufnahme No.	44	43	42	21	32	33
Species total	16	18	12	27	13	13
Aspect	-	E	N	N	NE	N
Slope °	-	30	80	50	10- 40	10- 45
Quadrat size (m ²)	1	1x $\frac{1}{2}$	1x $\frac{1}{2}$	3x2	1x4	1x2
Cover (Domin): Tree	4	4	4	.	9	8
Shrub	.	.	.	3	.	.
Herb	5	4	3	4	5	5
Bryop.	8	9	5	8	8	8

Association character species (Order character species denoted by 0)

<i>Nardia scalaris</i>	5	7	4	5	1	.
<i>Dicranella heteromalla</i>	5	2	3	.	.	.
<i>Ditrichum heteromallum</i>	4	1	3	.	.	.
<i>Baeomyces rufus</i>	1	1	7	.	.	.
<i>Polytrichum aloides</i>	5	1	3	.	.	.
<i>P. urnigerum</i>	5	.	.	6	.	.

Differential species of
Polytrichum sub-association

<i>Polytrichum formosum</i>	.	1	.	3	5	4
<i>Mnium hornum</i>	.	.	.	4	6	7
<i>Oxalis acetosella</i>	.	.	.	1	1	4

Other cryptogams

<i>Diplophyllum albicans</i>	4	4	4	4	4	3
<i>Barbilophozia floerkei</i>	2	3	1	.	.	.
<i>Lepraria incana</i>	1	.	4	.	3	.
<i>Pellia epiphylla</i>	.	1	.	.	.	4
<i>Hypnum cupressiforme</i>	.	.	1	3	.	.
<i>Dicranum scoparium</i>	.	.	.	4	3	.

Phanerogams

<i>Deschampsia flexuosa</i>	4	4	1	4	5	3
<i>Agrostis tenuis</i>	4	2	2	3	.	3
<i>Luzula pilosa</i>	2	2	.	1	.	.
<i>Anthoxanthum odoratum</i>	.	1	.	3	.	.
<i>Luzula sylvatica</i>	.	2	.	.	.	2
<i>Digitalis purpurea</i>	.	2	.	.	.	1
<i>Athyrium filix-femina</i>	.	.	.	2	.	4
<i>Dryopteris pseudomas</i>	.	.	.	3	.	2
<i>D. dilatata</i>	.	.	.	1	.	2
<i>Blechnum spicant</i>	3	.	.	2	.	.

Canopy shade

<i>Betula pubescens</i>	3	4	4	2 ^k	9	.
<i>Corylus avellana</i>	.	.	.	2 ^k	.	.

Occurring once:

(44) *Festuca rubra* 4; *Cladonia macilenta* 2. (43) *Lophozia ventricosa* 1; *Lophozia obtusa* 1. (21) *Bryum capillare* 2; *Rhacomitrium fasciculare* 2; *R. canescens* 3; *Pohlia cruda* 3; *Viola riviniana* 1; *Pleurozium schreberi* 4; *Hypericum pulchrum* 2; *Veronica officinalis* 1; *Hieracium* sp. 1. (32) *Vaccinium myrtillus* 1; *Thelypteris dryopteris* 1; *Tetraphis pellucida* 4; *Isopterygium elegans* 4. (33) *Agrostis canina* ssp. *montana* 3.

TABLE VI/5

ASSOCIATION CALTHO-ALNETUM

	P	P	P	P	P	P	M	M	M	M	M	P	P
Aufnahme No.	10	11	17	18	40	41	4	40	41	42	46	31	32
Species total	37	38	34	21	29	32	44	44	44	42	32	23	27
Aspect	NNW	N	NNW	NNW	NE	NE	N	NE	N	NW	NW	E	NE
Slope °	2	2	5	10	2	2	8	5	10	5	25	2	5
Quadrat size (m ²)	4	4	4	4	4	4	10	10	10	10	4	4	4
Cover (Domin): Tree	5	4	5	7	9	7	9	9	9	6	4	4	6
Shrub	.	.	3	3	.	.	.	.	.	.	6	.	.
Herb	10	10	8	7	10	10	9	9	9	10	9	10	10
Bryop.	5	6	8	4	4	4	7	8	6	7	8	8	7

All. Calthion and Association differential species

	S.A. TYPICUM						S.A. SALICO-BETULETOSUM						
<i>Caltha palustris</i>	2	3	1	3	.	2	3	4	4	4	.	3	1
<i>Glyceria fluitans</i>	3	2	4	(+)	2	5	2	6	.	2	6	6	1
<i>Ranunculus flammula</i>	3	3	3	4	1	2	3	3	3	4	.	5	4
<i>Juncus articulatus</i>	2	5	4	2	.	.	4	3	7	6	3	4	5
<i>J. effusus</i>	.	3	2	.	1	3	1	4	(+)	1	6	.	.
<i>Pellia epiphylla</i>	5	6	3	3	2	3	.	.	.	2	3	5	5
<i>Galium uliginosum</i>	3	1	.	2	.	3	1	3	2	4	1	1	.
<i>Juncus acutiflorus</i>	3	4	5	.	.	.	1	2	3	2	1	2	1
<i>Myosotis caespitosa</i>	2	4	2	.	.	.	1	2	3	3	2	.	.
<i>Epilobium palustre</i>	1	3	2	.	.	1	1	.	2	3	1	.	.
<i>Achillea ptarmica</i>	1	(+)	.	.	.	1	1	.	3	2	1	.	.
<i>Lychnis flos-cuculi</i>	2	1	.	.	.	.	1	1	3	3	.	.	.
<i>Juncus kochii</i>	1	4	.	.	.	.	.	.	.	.	.	4	4
<i>Angelica sylvestris</i>	.	.	.	.	.	.	3	3	1	1	.	.	.
<i>Juncus subuliflorus</i>	(+)	(+)	(+)	.	.	.	.	.	.	.	.	.	.
<i>Myosotis scorpioides</i>	.	.	.	.	2	2	.	.	.	.	.	.	.
<i>Dactylorhiza purpurella</i>	2	1	.	.	.	.	.	.	.	.	.	.	.
<i>Valeriana officinalis</i>	1	.	.	.	1	2	.	.	.	.	.	.	.
<i>Viola palustris</i>	.	2	4	.	.	.	.	.	.	.	.	4	3

Differentials of Sub-Ass. typicum

<i>Alnus glutinosa</i>	6	7	4	6	9	8
<i>Dactylorhiza fuchsii</i>	3	2	2	1	2	.
<i>Mentha aquatica</i>	6	5	.	4	.	.
<i>Mentha X verticillata</i>	.	.	.	.	.	4

Differentials of Sub-Ass. Salico-Betuletosum

<i>Acrocladium cuspidatum</i>	.	4	.	.	.	.	4	6	6	7	5	4	4
<i>Betula pubescens</i>	.	.	.	.	.	.	.	.	7	6	4	4	6
<i>Salix pentandra</i>	.	.	.	.	.	.	9	9	7	.	.	.	.
<i>Cardamine pratensis</i>	.	.	.	.	.	.	2	3	3	3	2	3	2
<i>Ajuga reptans</i>	.	.	.	.	.	.	3	2	4	4	3	.	.

Other species

<i>Holcus lanatus</i>	5	4	4	4	8	5	4	4	4	5	6	2	4
<i>Ranunculus repens</i>	2	1	2	5	3	4	6	6	5	5	4	4	5
<i>Agrostis stolonifera</i>	4	.	.	5	5	5	5	4	4	4	4	5	7
<i>Lophocolea bidentata</i>	1	1	.	.	.	1	3	1	3	2	2	2	1
<i>Plagiochila asplenioides</i>	3	4	.	.	.	3	1	.	.	2	3	5	5
<i>Succisa pratensis</i>	3	2	3	3	2	.	1	.	.	1	.	3	3
<i>Prunella vulgaris</i>	3	1	.	.	2	.	1	1	5	4	4	.	.
<i>Crepis paludosa</i>	.	1	.	3	2	1	2	.	.	1	.	.	1
<i>Holcus mollis</i>	3	.	.	.	.	.	.	1	.	2	.	2	3
<i>Filipendula ulmaria</i>	2	.	.	.	4	6	5	4	2	1	.	.	.
<i>Sanguisorba officinalis</i>	.	.	.	.	2	.	1	1	2	1	.	.	.
<i>Lysimachia nemorum</i>	.	.	.	.	2	.	3	.	1	1	4	.	.
<i>Eurhynchium praelongum</i>	.	.	.	.	2	3	3	1	2	1	.	.	.
<i>Thuidium tamariscinum</i>	1	.	.	3	.	1	.	.	.	.	.	.	2
<i>Agrostis tenuis</i>	2	.	.	.	4	.	.	.	.	.	.	1	1
<i>Anthoxanthum odoratum</i>	2	1	2	2	.	.	.	.	.	.	.	.	.
<i>Cirsium palustre</i>	2	3	3	.	1	.	.	.	.	.	.	.	.
<i>Rumex acetosa</i>	2	2	2	.	.	1	.	.	.	.	.	.	.
<i>Senecio jacobaea</i>	.	.	.	.	.	.	1	(+)	(+)	(+)	1	.	1
<i>Mnium undulatum</i>	4	3	.	.	3	2	2	1	1	.	.	.	.
<i>Geum urbanum</i>	.	.	.	.	.	.	3	3	4	1	.	.	.
<i>Mnium punctatum</i>	.	.	.	.	.	.	.	5	4	3	5	.	.
<i>Cerastium fontanum</i>	.	.	.	.	.	.	1	.	2	1	2	.	.
<i>Carex nigra</i>	.	.	.	.	.	.	2	2	1	.	3	.	.
<i>Pellia neesiana</i>	.	.	.	.	.	.	5	4	1	.	5	.	.
<i>Festuca rubra</i>	.	.	.	.	.	.	.	3	1	1	.	.	.
<i>Geranium sylvaticum</i>	.	.	.	.	.	.	2	1	1	.	.	.	.
<i>Deschampsia caespitosa</i>	.	.	.	.	.	.	4	.	1	2	1	.	.
<i>Cirsium heterophyllum</i>	.	.	.	.	.	.	1	1	3	1	.	.	.
<i>Poa trivialis</i>	.	.	.	.	.	.	.	1	2	2	1	.	.
<i>Diplophyllum albicans</i>	.	.	.	.	.	.	.	.	3	1	.	.	.
<i>Equisetum arvense</i>	.	.	.	.	.	.	1	3	1	.	.	.	.
<i>Mnium longirostrum</i>	.	.	.	.	.	.	.	2	3	4	.	.	.
<i>Rhytidiadelphus loreus</i>	1	1	3	.	.	.	.	.	.	.	.	.	.
<i>Mnium hornum</i>	1	1	.	3	.	.	.	.	.	.	.	.	.
<i>Acrocladium cuspidatum</i>	.	4	.	.	.	.	.	.	.	.	.	4	4
<i>Sphagnum palustre</i>	.	.	8	.	.	.	.	.	.	.	.	4	1
<i>Senecio aquaticus</i>	.	2	.	.	2	1	.	.	.	.	.	.	.
<i>Agrostis canina ssp. montana</i>	.	.	4	.	.	.	.	.	.	.	.	2	2
<i>Dryopteris dilatata</i>	.	.	1	1	.	.	.	.	.	.	.	(+)	.

Also: (P 10) *Dactylorhiza ericetorum* 1; *Senecio X ostenfeldii* 1; *Atricum undulatum* 1. (P 11) *Dactylorhiza ericetorum* 3; *Luzula multiflora* 1; *Pedicularis palustris* 1; *Cirriphyllum piliferum* 1. (P 17) *Conopodium majus* 3; *Aulacomnium palustre* 1; *Rhytidiadelphus squarrosus* 3; *Molinia caerulea* 3; *Pedicularis palustris* 1; *Narthecium ossifragum* 2; *Carex panicea* 4; *C. echinata* 3; *Potentilla erecta* 4; *Luzula multiflora* 2; *Corylus avellana* 2. (P 18) *Oxalis acetosella* 2; *Arrhenatherum elatius* 2; *Sorbus aucuparia* 6(1^k). (P 31) *Sphagnum squarrosus* 6. (P 32) *Lophozia ventricosa* 2; *Scapania nemorea* 2; *Plagiothecium denticulatum* 1. (P 40) *Alchemilla glabra* 1; *Carex pallescens* 1; *Geum rivale* 2; *Equisetum sylvaticum* 4; *Cruciata laevipes* 3. (P 41) *Cruciata laevipes* 1; *Cardamine cf. amara* 2; *Chrysosplenium oppositifolium* 5; *Equisetum sylvaticum* 2; *Geranium robertianum* 1; *Melampyrum pratense* 1; *Athyrium filix-femina* 1. (M 4) *Stellaria neglecta* 1; *Pohlia nutans* 3; *Vicia cracca* 1; *Dactylis glomerata* 3; *Fraxinus excelsior* k; *Veronica beccabunga* 2. (M 40) *Dicranella palustris* 3; *Climacium dendroides* 2; *Brachythecium rivulare* 1; *Conocephalum conicum* 2; *Phleum pratense* 1; *Dactylis glomerata* 1; *Veronica beccabunga* 2; *Chrysosplenium oppositifolium* 2. (M 41) *Climacium dendroides* 1; *Eurhynchium striatum* 2. (M 42) *Bryum pseudotriquetrum* 1. (M 46) *Campylopus flexuosus* 1; *Drepanocladus uncinatus* 1; *Eurhynchium striatum* 1; *Corylus avellana* 6; *Fraxinus excelsior* 3; *Crataegus monogyna* 3.

Also: (J 41) *Epilobium montanum* 1; *Stellaria alsine* 1. (J 42) *Arrhenatherum elatius* 1; (J 43) *Cirriphyllum piliferum* 1; *Bryum capillare* 1; *Ptilidium ciliare* 1; *Lepidozia reptans* 2; *Isopterygium elegans* 1; *Plagiothecium curvifolium* 1; *Peltigera polydactyla* +. (J 44) *Isothecium myosuroides* 3r; *Cephaloziella* sp. 1; *Marsupella emarginata* lr. (J 45) *Fagus sylvatica* (+); *Rumex acetosella* 3; *Isothecium myosuroides* lr; *Bryum capillare* 2; *Ptilidium ciliare* 3; *Barbilophozia barbata* 1. (J 46) *Nardia scalaris* 3. (J 47) *Lepidozia reptans* 1; *Cephaloziella* sp. 1. (J 48) *Eurhynchium confertum* 2. (J 49) *Epilobium montanum* 1; *Isothecium myosuroides* 3r; *Plagiothecium curvifolium* 1. (J 50) *Epilobium angustifolium* 1. (J 52) *Anemone nemorosa* (+); *Isopterygium elegans* 3. (J 53) *Sorbus aucuparia* (+). (J 56) *Urtica dioica* (+). (J 59) *Eurhynchium confertum* 2. (J 60) *Festuca vivipara* (+). (J 61) *Polytrichum juniperinum* 1; *Peltigera polydactyla* 1; *Conopodium majus* 1. (J 62) *Ranunculus repens* 2. (J 63) *Veronica chamaedrys* 1. (J 69) *Festuca vivipara* (+). (J 71) *Carex pulicaris* 1; *Carex flacca* 3; *Thymus drucei* 4. (J 72) *Thymus drucei* 1. (J 73) *Anemone nemorosa* 1. (J 76) *Sphagnum rubellum* 3. (J 77) *Cladonia ochrochlora* 1. (J 79) *Vaccinium vitis-idaea* 1. (J 80) *Juncus subuliflorus* (+). (J 82) *Pohlia nutans* 1. (J 83) *Brachythecium albicans* 3; *Polytrichum piliferum* 2; *Polytrichum juniperinum* 4r; *Cladonia furcata* 3; *Peltigera polydactyla* 2; *Pertusaria corallina* 4r; *Aira praecox* 3. (J 2) *Eurhynchium confertum* 3. (J 3) *Bryum capillare* 1. (J 4) *Crataegus monogyna* 1. (J 5) *Stellaria alsine* 3. (J 6) *Crataegus monogyna* 1. (J 7) *Pohlia nutans* 1; *Ptilidium ciliare* 1; *Mnium stellare* 1; *Tritomaria quinqueidentata* 2. (J 9) *Ranunculus repens* 1; *Pohlia nutans* 1; *Tetrarhis pellucida* 1e; *Barbilophozia barbata* lr. (J 10) *Poa pratensis* ssp. *pratensis* 1; *Sphagnum girgensohnii* 5; *Tetrarhis pellucida* 3e; *Cephaloziella* sp. 1. (J 21) *Achillea ptarmica* 2; *Succisa pratensis* 1; *Sieglingia decumbens* (+); *Cephaloziella* sp. 1. (J 22) *Conopodium majus* 3; *Mnium punctatum* 1; *Marsupella emarginata* 2; *Acrocladium sarmentosum* 1; *Riccardia pinguis* 1; *Drepanocladus revolvens* 1. (J 26) *Tetrarhis pellucida* 3. (J 29) *Eriophorum angustifolium* 1; *Aulaacomnium palustre* 2. (J 30) *Sieglingia decumbens* 3; *Lycopodium selago* 3. (J 32) *Plagiothecium curvifolium* 2.

(N.B. In this table 'e' has been used for species epiphytic on litter, buried branches, and so on within the Aufnahme, and 'r' indicates those species found on small rocks.)

(Fragmentary Communities of 5 Vegetation Types)

	B	B	B	B	B	B	B	B	B	B
Aufnahme No.	5	19	2	48	17	3	47	7	39	41
Species total	24	46	42	42	40	48	45	41	33	34
Aspect	NNE	NNE	N	N	N	NNE	N	NNE	-	-
Slope °	5-30	20-40	5	20-30	20-40	5	10	35	-	-
Quadrat size (m ²)	2x½	1x5	2	2	4	2	2x4	2x4	10	5
Cover (Domin): Tree	.	6	.	.	9	.	.	6	.	.
Shrub	.	.	.	.	3	9	7	6	9	4
Herb	5	8	10	9	9	9	9	9	9	9
Bryop.	6	9	4	5	8	7	5	7	8	6

Alchemilla-Festuca rubra
Mosaic

Differential species groups

(1) Montio-Cardaminetea sp.

Cratoneuron commutatum	2	2
Bryum pseudotriquetrum	2	1
Philonotis fontana	2	2
Brachythecium rivulare	2	3
Solenostoma cordifolium	3	.
Epilobium nerterioides	.	1

(2) ? Potentillion (Prunetalia)

Potentilla fruticosa	9	7
----------------------	---	---

(3) Prunetalia

Rosa sherardii	6
Betula pubescens	6

(4) Juniperus communis

9 9

(4a) Galium saxatile

5 5

Plagiothecium denticulatum

4 2

Pteridium aquilinum

2 2

Luzula pilosa

2 1

(4b) Mercurialis perennis

3 3

Rubus idaeus

4 3

Urtica dioica

3 3

Stellaria alsine

2 3

Cardamine flexuosa

2 2

Continental Molinietales-Arrhenatheretalia
and Molinio-Arrhenatheretea character species

(M), (A) & No Symbol

Ranunculus repens	1	1	3	2	5	.	3	2	2	1
Festuca rubra	2	5	5	4	5	4	5	2	.	.
Prunella vulgaris	3	6	2	3	4	1	3	1	.	.
Alchemilla glabra (A)	3	2	1	3	2	1	1	.	.	.
Geum rivale (M)	1	1	4	3	4	2	2	.	.	.
Succisa pratensis (M)	1	.	1	3	3	1	4	1	.	.
Plantago lanceolata	1	1	4	3	2	2	4	.	.	.
Holcus lanatus	.	.	4	3	4	4	4	5	3	.
Deschampsia cespitosa	.	2	3	1	3	3	2	1	.	.
Cirsium palustre (M)	1	.	.	.	3	1	.	2	1	1
Taraxacum officinale (A)	.	1	1	1	.	.	3	1	.	.
Briza media	.	2	1	4	.	3	.	1	.	.
Leontodon hispidus	.	.	1	4	.	1	4	3	.	.
Centaurea nigra	.	.	4	3	3	3	4	.	.	.
Senecio jacobaea (A)	.	1	1	1	.	.	1	.	.	.
Cerastium fontanum	1	.	2	.	1	.	2	.	.	.
Trifolium pratense	.	.	1	2	.	1	3	.	.	.
Ranunculus acris	.	1	.	1	2	.	1	.	.	.
Angelica sylvestris (M)	.	.	.	.	1	1	.	1	.	.
Achillea millefolium (A)	.	.	.	3	.	2	3	.	.	.
Dactylis glomerata (A)	.	.	4	.	5	3	.	.	.	.
Bellis perennis (A)	.	2	.	1	.	.	.	.	.	.

Other species

Viola riviniana	1	1	1	1	3	2	1	.	1	1
Lophocolea bidentata	.	1	2	1	2	3	.	4	5	4
Rhytidiadelphus squarrosus	.	.	4	4	4	4	1	4	5	6
Anthoxanthum odoratum	.	3	3	3	.	.	4	5	4	3
Deschampsia flexuosa	.	4	4	2	.	.	2	2	3	3
Oxalis acetosella	.	.	.	1	3	1	3	1	6	4
Mnium punctatum	1	.	1	1	3	4	2	3	.	.
Agrostis tenuis	.	.	5	.	4	4	.	3	4	4
Plagiochila asplenioides	.	3	.	1	.	4	.	3	4	3
Mnium undulatum	.	.	3	2	5	2	1	1	.	.
Cirriphyllum piliferum	.	.	2	2	.	1	1	.	3	3
Parnassia palustris	1	1	1	.	1	1	1	.	.	.
Acrocladium cuspidatum	4	5	.	3	3	.	4	5	.	.
Potentilla erecta	.	.	1	.	.	1	.	2	1	1
Holcus mollis	.	.	3	2	5	.	.	.	5	7
Scapania undulata	2	3	.	2	.	1	3	.	.	.
Agrostis canina ssp. montana	.	.	3	.	.	.	.	2	3	3
Atrichum undulatum	.	.	1	1	4	1	.	.	.	.
Agrostis stolonifera	2	.	3	.	5	.	.	4	.	.
Mnium longirostrum	.	.	2	.	.	.	1	.	2	1
Helictotrichon pratense	.	3	.	7	.	.	5	3	.	.
Veronica chamaedrys	.	.	1	.	.	.	.	.	2	2
Thuidium tamariscinum	.	.	.	.	2	4	.	3	.	.
Eurhynchium praelongum	.	.	.	.	.	.	.	3	5	5
Dichodontium pellucidum	.	6	.	.	.	3	4	.	.	.
Tussilago farfara	3	3	½	.	.	6	.	.	.	.
Lotus corniculatus	.	.	1	3	.	.	3	.	.	.
Athyrium filix-femina	.	.	.	.	4	1	.	.	2	4
Mnium hornum	.	.	.	.	4	.	.	.	5	5
Dryopteris dilatata	.	.	1	.	.	.	.	.	1	3
Drepanocladus uncinatus	.	.	.	3	.	3	1	.	.	.

Also: (5) Drepanocladus fluitans 2; Rhacomitrium aciculare 2; Carex demissa 2; Juncus articulatus 3. (19) Campanula rotundifolia 1; Luzula sylvatica 4; Preissia quadrata 4; Rhacomitrium aciculare 3; R. heterostichum 2; Solenostoma triste 2; Fissidens taxifolius 4; Amphidium mougeotii 4; Conocephalum conicum 4; Pellia epiphylla 4; Veronica officinalis 1; Epilobium angustifolium 1; Solidago virgaurea 2; Mimulus ? luteus 1; Distichium capillaceum 3; Fontinalis antipyretica 2; Leiocolea muellerii. (2) Galium verum 1; Heracleum sphondylium 1; Digitalis purpurea 1; Campanula rotundifolia 3; Pleurozium schreberi 1. (48) Thymus drucei 1; Conopodium majus 2; Galium aparine 3; Selaginella selaginoides 2; Breutelia chrysocoma 4; Hylocomium splendens 1. (17) Anthriscus sylvestris 1; Cardamine pratensis 1; Equisetum arvense 2; Cynosurus cristatus 3; Carex flacca 3; Festuca vivipara 2; Dryopteris pseudomas 2; Dryopteris filix-mas X ? pseudomas 2; Climacium dendroides 5. (3) Cephalozia bicuspidata 1; Endymion nonscriptus 1; Potentilla sterilis 1; Filipendula ulmaria 3; Lysimachia nemorum 2; Calypogeia fissa 2; Rhytidiadelphus triquetrus 4; Fissidens adianthoides 1; Hypnum cupressiforme 4; Luzula sylvatica 1; Rhytidiadelphus loreus 3; Hylocomium splendens 4; Pleurozium schreberi 3. (47) Plantago maritima 2; Ctenidium molluscum 2; Rhodobryum roseum 1; Rhytidiadelphus loreus 2; Fissidens adianthoides 2; Rhytidiadelphus triquetrus 1; Selaginella selaginoides 2; Carex flacca 2; Preissia quadrata 1; Lophozia ventricosa 3. (7) Fragaria vesca 3; Geranium robertianum 1; Dryopteris filix-mas 1; Luzula multiflora 1; Hypnum cupressiforme 1; Breutelia chrysocoma 3; Juncus articulatus 2; J. effusus 1; Carex flacca 3; C. demissa 3; Festuca vivipara 2; Climacium dendroides 1. (39) Plagiothecium succulentum 2. (41) Dicranum scoparium 3; D. majus 2; Dryopteris filix-mas 2.

ROSA-PRUNUS SPINOSA Edge Communities (PRUNETALIA)

Related Grazed Pastures (CYNOSURION)

RUBUS Scrub

	M	M	M	P	M	M	M	M	P	M	M	P	M	P	P	P
Aufnahme No.	34	8	7	12	28	37	5	3	24	30	45	13	12	15	16	36
Species total	50	48	51	23	40	34	37	39	33	48	43	52	68	25	25	20
Aspect	E	NNE	N	-	-	-	W	NNE	WNW	SW	-	SSW	NNE	NW	NNW	NE
Slope °	10	2	5	-	-	-	2	5	3	2	-	2	2	5	5	2
Quadrat size (m ²)	10x 5	4	4	4	4	5	4	4	2	5	4	6	10x 4	2	2	4
Cover (Domin): Tree	(+)	.	.	.	.	.	9	.	.	.	.	.	4	.	.	.
Shrub	9	6	8	8	9	10	.	8	4	10	7	4	9	.	.	4
Herb	9	10	9	8	9	7	9	8	9	9	7	10	9	10	10	10
Bryop.	8	7	7	7	5	4	8	6	6	8	7	5	6	5	5	6
<u>0 - Prunetalia character species</u>																
Prunus spinosa	9	6	7	8	.	10 ^{2k}	.	.	.	.	.	2 ^k	2	.	.	.
Corylus avellana	.	2	6	.	.	.	9	.	.	7	4	.	8	.	.	.
Rubus idaeus	4	2	.	k	2	4	.	5	.	1	.	k	.	.	.	3
R. caesius	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3
Rosa sherardii	.	4	5	3	3	.	2 ^k	.	.	.	.	.	4	.	.	.
R. afzeliana	.	.	.	.	9	3	.	8	.	.	.	3	.	.	.	.
R. coriifolia	.	.	.	.	.	.	2 ^k	.	.	7	.	.	.	.	.	.
R. dumetorum	.	.	.	.	.	.	.	.	3	.	.	3	.	.	.	.
R. villosa	.	.	.	.	.	.	.	.	.	.	7	.	.	.	.	.
<u>Cynosurion & Arrhenatheretalia character species & grazing indicators</u>																
Trifolium repens	.	4	.	.	2	.	.	.	.	1	.	4	2	3	4	.
Centaurea nigra	2	1	.	.	1	.	.	.	.	.	3	1	2	1	2	.
Cynosurus cristatus	.	.	.	.	.	.	.	.	.	.	.	.	5	1	2	.
Hypochoeris radicata	.	1	.	.	.	.	.	.	.	.	.	2	.	1	3	.
Myosotis discolor	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.
Euphrasia montana	.	.	.	.	.	.	.	.	.	.	.	2	.	.	4	.
E. nemoralis	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.
<u>Local differential species</u>																
Cirriphyllum piliferum	5	2	3	3	4	1	3	4	2	4	1	1	2	.	.	.
<u>Other species</u>																
Lophocolea bidentata	5	2	2	4	3	1	.	3	2	3	4	2	2	2	1	4
Eurhynchium praelongum	4	3	2	3	3	3	4	4	3	3	3	1	1	2	.	5
Rhytidiadelphus squarrosus	3	3	3	5	4	.	5	3	4	4	4	5	.	4	3	4
Agrostis tenuis	2	6	6	(+)	4	.	7	.	4	2	2	8	5	8	8	3
Anthoxanthum odoratum	6	4	2	3	4	.	4	.	5	3	5	5	6	5	5	.
Potentilla erecta	1	4	3	.	1	.	3	.	4	2	1	4	3	3	3	2
Plagiochila asplenioides	.	4	4	4	.	1	5	3	4	1	4	2	3	.	.	3
Dactylis glomerata	6	3	4	.	6	2	4	5	.	5	5	2	4	.	.	.
Mnium undulatum	4	2	1	.	1	2	3	2	2	2	2	.	1	.	.	.
Holcus lanatus	3	5	4	3	4	.	.	4	.	5	7	2	2	.	.	5
Viola riviniana	1	3	4	.	2	1	4	.	1	4	2	1	5	.	.	.
Succisa pratensis	2	3	3	.	.	.	.	.	3	3	2	4	3	5	3	1
Rumex acetosa	2	2	3	2	.	2	3	.	2	3	3	1	.	.	.	2
Ranunculus repens	4	2	4	.	3	1	.	4	.	1	2	2	1	.	2	.
Thuidium tamariscinum	5	5	4	.	1	3	2	.	4	5	5	.	3	.	1	.
Atrichum undulatum	3	1	2	.	2	2	.	.	.	3	2	.	2	2	1	.
Veronica chamaedrys	2	2	3	.	1	2	1	.	.	3	3	4	1	.	.	.
Conopodium majus	1	1	1	.	3	1	.	1	.	2	2	1	3	.	.	.
Potentilla sterilis	2	.	3	.	2	.	2	1	1	3	1	.	2	.	.	.
Crataegus monogyna	6	4	2	.	4	.	4	.	.	5	3	4	5	.	.	.
Prunella vulgaris	4	2	2	.	4	.	2	.	2	4	.	2	3	.	.	.
Senecio jacobaea	1	1	2	(+)	.	.	.	.	.	1	.	3	1	3	2	.
Arrhenatherum elatius	5	2	1	.	4	2	.	2	.	4	3	.	.	.	.	.
Geranium sylvaticum	2	.	1	.	4	.	.	2	1	2	4	.	2	.	.	.
Endymion nonscriptus	.	.	.	2	.	1	1	.	2	.	.	1	2	1	.	3
Oxalis acetosella	1	.	.	4	.	4	4	.	4	.	.	3	5	.	.	4
Pteridium aquilinum	.	.	5	8	.	4	.	9	.	.	4	.	3	4	6	.
Holcus mollis	4	.	.	8	4	.	5	.	7	.	2	5	.	.	.	5
Pseudoscleropodium purum	.	4	4	.	.	.	3	.	3	4	.	3	3	.	.	4
Rhytidiadelphus loreus	.	3	4	3	.	.	6	3	1	.	.	2	3	.	.	.
R. triquetrus	.	5	4	.	5	1	4	.	5	.	.	5	.	.	.	.
Geum urbanum	2	.	2	.	3	4	.	4	.	1	.	.	2	.	.	.
Filipendula ulmaria	.	2	3	.	3	.	.	5	.	1	4	.	2	.	.	.
Galium saxatile	.	4	2	2	.	.	3	.	3	.	1	.	.	.	.	2
Stachys sylvatica	2	.	.	.	2	2	.	2	1	1	.	.	1	.	.	.
Sanguisorba officinalis	2	.	3	.	.	.	.	1	.	2	3	.	1	.	.	.
Agrostis stolonifera	.	.	.	.	.	3	.	4	.	.	4	1	4	.	.	4
Deschampsia flexuosa	.	5	2	.	.	.	.	.	3	.	.	2	.	7	7	.
Achillea millefolium	1	2	1	.	.	.	.	.	.	.	2	3	2	.	.	.
Hylocomium splendens	1	3	2	.	.	.	.	1	1	.	.	3	.	.	.	.
Cruciata laevipes	3	.	.	.	3	.	.	4	.	2	.	1	3	.	.	.
Pleurozium schreberi	.	2	.	.	.	.	.	.	2	.	.	.	3	2	1	.
Mnium longirostrum	.	.	.	4	.	1	.	.	2	.	.	.	.	2	1	.
Anemone nemorosa	.	1	.	.	.	2	3	1	.	.	.	.	1	.	.	.
Ranunculus ficaria	.	1	1	.	.	.	3	1	.	.	.	.	2	.	.	.
Trifolium pratense	1	.	.	.	.	.	.	1	.	1	2	.	1	.	.	.
Stellaria holostea	.	.	2	.	.	.	2	2	.	.	.	.	2	.	.	.
Alchemilla glabra	2	.	.	.	.	.	.	.	.	1	2	.	1	.	.	.
A. xanthochlora	2	3	4	.	.	.	.	.	.	2	.	.	.	.	.	.
Deschampsia cespitosa	.	2	2	.	2	.	3	.	.	.	.	.	.	.	.	.
Vicia sepium	.	.	.	.	.	1	.	2	.	1	1	.	.	.	.	.
Ranunculus acris	.	.	.	.	.	.	1	.	.	1	1	.	2	.	.	.
Plagiothecium denticulatum	2	.	.	.	2	2	.	.	.	.	.	.	2	.	.	.
Urtica dioica	.	.	1	.	.	3	.	5	.	.	.	1	.	.	.	.
Betonica officinalis	3	.	.	.	.	.	.	.	.	.	.	3	.	1	3	.
Campanula rotundifolia	.	.	.	.	.	.	.	.	2	.	.	3	2	1	.	.
Poa trivialis	3	.	.	1	2	.	.	.	.	.	.	1	.	.	.	.
Cirsium palustre	.	1	1	.	.	.	.	.	.	.	.	.	2	.	.	.
Fragaria vesca	.	1	1	.	.	.	.	.	.	.	.	.	1	.	.	.
Phleum pratense	.	.	.	.	.	.	.	1	.	.	1	.	2	.	.	.
Plantago lanceolata	.	2	.	.	.	.	.	.	.	2	1	.	.	.	.	.
Trifolium medium	2	.	.	.	2	.	.	.	.	.	2	.	.	.	.	.
Ajuga reptans	2	.	.	.	.	.	.	1	.	.	2	.	.	.	.	.
Festuca rubra	4	.	.	.	.	.	.	.	.	5	4	.	.	.	.	.
Cirsium heterophyllum	2	.	.	.	3	.	.	.	.	3	.	.	.	.	.	.
Brachypodium sylvaticum	.	.	.	.	.	2	2	.	.	3	.	.	.	.	.	.
Cerastium fontanum	.	.	1	.	.	.	.	.	.	.	.	3	2	.	.	.
Sorbus aucuparia	.	.	.	.	.	.	2 ^k	.	2 ^k	.	.	(+)	.	.	.	.

Also: (M 34) Carex pallescens 3; Petasites hybridus 3; Acrocladium cuspidatum 4; Eurhynchium striatum 3; Epilobium montanum 1; Primula vulgaris 1. (M 8) Helictotrichon pratense 1; Lathyrus montanus 1. (M 7) Epilobium angustifolium 1; Sanicula europaea 1; Dicranum scoparium 1; Stellaria graminea 1. (M 28) Carex sylvatica 2; Galium odoratum 2; Fissidens bryoides 1; Eurhynchium striatum 2. (P 12) Dryopteris dilatata 2; Lophocolea cuspidata 3. (M 37) Cardamine flexuosa 3; Mercurialis perennis 5; Mnium hornum 3; Allium ursinum 2; Epilobium montanum 1; Fissidens bryoides 2; Mnium punctatum 1; Geranium robertianum 1. (M 5) Lysimachia nemorum 1; Primula vulgaris 1; Digitalis purpurea (+). (M 3) Dryopteris filix-mas 4; Mercurialis perennis 3; Galium aparine 2; Heracleum sphondylium 2; Cardamine pratensis 1; Rumex obtusifolius 2. (P 24) Dicranum scoparium 2; Lathyrus montanus 2; Dryopteris filix-mas 4; Melampyrum pratense 1. (M 30) Lotus corniculatus 1; Helictotrichon pubescens 1; Carex sylvatica 1; Lathyrus pratensis 2. (M 45) Crepis paludosa 1; Acrocladium cuspidatum 2. (P 13) Prunus padus k; Festuca ovina ssp. tenuifolia 2; Stellaria graminea 3; Stellaria neglecta 4; Digitalis purpurea 3; Taraxacum officinale 1. (M 12) Mnium hornum 2; Hypnum cupressiforme 3; Crepis paludosa 1; Galium odoratum 1; Equisetum arvense 1; Bellis perennis (+); Sieglingia decumbens 2; Lolium perenne 3; Leontodon autumnalis 1. (P 16) Galium verum 1; Epilobium palustre 1. (P 36) Agrostis canina ssp. montana 4.

TABLE VI/9

NATURAL/SEMI-NATURAL EDGE COMMUNITIES

	P	P	P	P	P	M	M	M	P	P	P	M	M
Aufnahme No.	43	44	28	29	30	18	23	47	46	47	21	14	16
Species total	22	24	32	27	24	23	18	49	52	37	38	17	19
Aspect	NE	NE	NE	NE	NE	NE	W	N	NNW	NW	NW	N	NNE
Slope °	30	50	10-30	40-60	40	60	10-30	60	40	70	80	45	30-70
Quadrat size (m ²)	10	10	1	2	2	5	2	5	4	2	2	1	1
Cover (Domin): Tree	9	7	7	5	.	5	4	4	.	.	4	.	.
Shrub	3	.	.	.	.	.	.	4	4	8	3	6	8
Herb	8	9	8	9	9	10	9	10	9	8	9	7	7
Bryop.	8	8	9	9	8	6	3	8	9	9	7	9	7
<u>Differential species</u>													
<u>Sorbus-Dryopteris nodum</u>													
Sorbus aucuparia	8 ^k	4 ^k	7	5	(+)	k	7	1	4	3	k	.	.
Dryopteris filix-mas	8	7	5	9	8	.	.	4	.	.	2	.	.
Dryopteris ? filix-mas x pseudomas	.	.	2	.	.	.	.	4	.	.	.	.	.
D. pseudomas	.	.	.	.	.	8	9	4	.	.	.	.	.
D. dilatata	2	4	3	2	(+)	1	.	1	.	.	.	.	.
<u>Differentials Corylus-Thelypteris nodum</u>													
<u>& species poor Corylus scrub</u>													
Thelypteris phegopteris	.	.	.	.	.	.	.	.	7	8	8	.	.
Dicranum majus	.	.	.	.	.	.	.	4	7	6	3	.	.
Corylus avellana	3	k	.	.	.	.	.	.	4	8	3 ^{2k}	6	9
<u>Other species</u>													
Oxalis acetosella	4	5	1	6	6	3	2	5	3	3	4	5	4
Agrostis tenuis	3	1	4	5	3	3	.	3	5	.	3	3	3
Holcus mollis	2	4	4	5	4	.	.	3	4	.	3	3	3
Deschampsia flexuosa	3	4	.	.	.	3	2	4	7	6	3	.	1
Mnium hornum	.	.	4	.	3	5	1	4	.	4	3	6	6
Athyrium filix-femina	.	4	.	.	.	1	3	8	3	2	4	3	5
Lophocolea bidentata	.	.	2	2	3	.	.	4	4	4	1	.	2
Plagiochila asplenioides	.	.	4	4	3	.	.	3	4	4	1	.	.
Plagiothecium denticulatum	.	.	2	3	4	.	.	3	2	.	.	2	3
Viola riviniana	1	.	.	.	.	.	1	3	1	1	.	4	2
Holcus lanatus	2	.	.	3	3	.	.	.	2	3	.	2	1
Teucrium scorodonia	.	4	.	.	.	3	1	3	2	1	3	.	.
Digitalis purpurea	.	4	.	1	1	2	.	.	.	.	.	5	5
Diplophyllum albicans	.	.	4	.	.	2	.	4	.	3	4	2	.
Calyptogeia fissa	.	.	.	.	.	.	.	3	3	4	3	2	1
Thuidium tamariscinum	.	.	1	.	.	.	.	5	5	5	1	.	.
Hypnum cupressiforme	.	.	.	.	.	3	2	4	2	.	1	.	.
Pleurozium schreberi	.	.	.	.	.	3	1	4	5	3	.	.	.
Mnium longirostrum	.	.	4	2	4	.	.	3	1	.	.	.	.
Eurhynchium praelongum	.	.	3	3	4	.	.	.	1	3	.	.	.
Geranium sylvaticum	.	.	3	1	.	.	.	.	1	1	1	.	.
Anthoxanthum odoratum	.	3	.	.	.	.	1	4	3	.	.	.	3
Arrhenatherum elatius	1	.	.	3	.	.	.	1	2	4	.	.	.
Stellaria holostea	1	.	2	2	2	.	.	1	.	.	.	.	.
Agrostis stolonifera	.	2	.	.	3	.	.	.	3	.	.	1	1
Galium odoratum	.	.	4	3	4	.	.	.	2	2	.	.	.
Polytrichum formosum	.	.	.	.	.	3	.	.	2	2	1	.	.
Mnium undulatum	.	.	6	6	5	.	.	.	1	.	.	.	.
Rhytidiadelphus squarrosus	.	.	1	.	.	.	.	3	3	3	.	.	.
Betula pubescens	4	5	.	.	.	.	.	.	4	.	4	.	.
Geranium robertianum	.	3	.	2	3	.	1	.	.	.	.	.	.
Lonicera periclymenum	2	3	1	1	.	.	.	.	.	.	.	.	.
Rubus idaeus	1	1	.	1	.	.	.	.	.	.	.	.	.
Agrostis canina ssp. montana	.	3	.	1	5	.	.	4	.	.	.	.	.
Gymnocarpium dryopteris	3	2	.	.	.	.	.	.	.	.	2	.	.
Pteridium aquilinum	.	.	.	.	.	5	.	.	.	1	(+)	.	.
Endymion nonscriptus	.	.	.	.	.	.	2	2	.	.	1	.	.
Succisa pratensis	.	.	.	.	.	.	.	2	2	.	1	.	.
Urtica dioica	.	.	.	1	3	1	.	.	.	.	.	.	.
Mercurialis perennis	.	.	5	3	3	.	.	.	.	.	.	.	.
Luzula pilosa	2	.	.	.	.	.	.	.	1	1	.	.	.
Plagiothecium undulatum	.	.	2	1	.	.	.	.	2	.	.	.	.
Cephalozia bicuspidata	.	.	.	.	.	.	.	.	3	2	1	.	.
Dicranum scoparium	.	.	.	.	.	.	.	2	2	.	2	.	.
Hylocomium splendens	.	.	.	.	.	.	.	2	5	3	.	.	.
Atrichum undulatum	.	.	.	.	.	.	.	.	.	.	3	4	2
Rhytidiadelphus loreus	.	.	.	.	.	.	.	3	3	2	.	.	.
Pseudoscleropodium purum	.	.	.	.	.	1	4	1	.	.	.	.	.
Isoetes macrospora	.	.	4	2	2	.	.	.	.	.	.	.	.
Dactylis glomerata	1	1	.	.	.	.	.	1	.	.	.	.	.
Rhytidiadelphus triquetrus	.	.	.	.	.	.	.	1	4	.	1	.	.

Also: (P 43) Primula vulgaris 1; Rubus caesius 1; Fraxinus excelsior 5^{2k}; Ranunculus ficaria 2. (P 44) Cardamine flexuosa 2; Ranunculus acris 1. (P 28) Mnium punctatum 4; Barbilophozia floerkei 1; Bartramia pomiformis 3; Dicranella heteromalla 1; Lophocolea cuspidata 1; Scapania gracilis 1; Marsupella emarginata 1; Eurhynchium striatum 2. (P 29) Lophocolea cuspidata 1. (P 30) Eurhynchium striatum 4. (M 18) Festuca rubra 1; Polypodium vulgare 1; Blechnum spicant 1; Barbilophozia floerkei 3; B. attenuata 2; Festuca ovina ssp. tenuifolia 1; Polytrichum commune 1. (M 23) Crepis paludosa 1; Veronica officinalis 1; Ranunculus repens 1; Zerna ramosa 1. (M 47) Deschampsia cespitosa 2; Ulmus glabra 4; Festuca rubra 2; Rosa sherardii k; Angelica sylvestris 1; Carex pallescens 1; Solidago virgaurea 1; Centaurea nigra 1; Galium saxatile 1; Primula vulgaris 3; Hypericum pulchrum 1; Polytrichum commune 3. (P 46) Centaurea nigra 1; Lathyrus montanus 1; Potentilla erecta 2; Galium saxatile 2; Rubus saxatilis 2; Melampyrum pratense 1; Hieracium perpropinquum 1; Filipendula ulmaria 1; Mnium punctatum 1; Cirriphyllum piliferum 2. (P 47) Rubus saxatilis 3; Geum urbanum 2; Fraxinus excelsior k; Potentilla sterilis 1; Filipendula ulmaria 1; Hieracium perpropinquum 3. (P 21) Melampyrum pratense 2; Hypericum pulchrum 1; Vaccinium myrtillus 3; Tritomaria quinqueidentata 2; Tetraxis pellucida 1; Pohlia nutans 3; Bartramia pomiformis 4; Dicranella heteromalla 1; Campanula rotundifolia 1. (M 14) Conopodium majus 3; Tussilago farfara 7; Polytrichum aloides 3; Pellia epiphylla 5. (M 16) Conopodium majus 2; Festuca ovina ssp. tenuifolia 1; Pellia epiphylla 2.

TABLE VI/11

ORDER LEPRARIETALIA

ALL. CALICION HYPERELLI

	B	B	B	B	B	B	B	M	J	P	P	P	B	M	P	B	M	J	B	M	M	P	P	M	J	J
Aufnahme No.	46	48	45	49	50	51	52	40	25	43	47	54	34	55	8	13	65	44	8	8	59	85	39	98	30	16
Aspect	S	all	SW	N	N	NNW	SW	NE	SSE	S	ENE	ENE	NW	W	SW	NNE	E	NE	NE	NE	N	E	E	NW	NW	NW
Slope °	80	0-10	90	100	130	110	110	110	140	110	100	130	120	110	100	110	100	60	140	130	100	90	50	120	180	170
Area (sq.dm.)	15	30	20	12	4	10	20	9	3	24	24	10	4	60	4	4	3	0.1	8	15	80	12	10	20	30	2
Height above ground (dm.)	5-10	20	2-7	5-9	12-16	16-20	20	0-3	11	1-6	4-12	15	4	0-10	0-14	0-2	0-5	12	0-4	0-3	0-10	1-3	3-12	0-5	12	1
Light	ms	ms	s	ss	ss	ss	ss	ss	s	ms	ms	ms	s	ss	ml	ms	s	l	s	s	ml	ml	ms	ss	ss	ss
Exposure	mp	pp	mp	pp	pp	pp	pp	pp	mp	p	mp	mp	pp	pp	p	pp	p	e	pp	p	mp	mp	mp	pp	pp	pp
Humidity	md	md	md	md	md	md	md	md	md	md	d	d	md	m	md	d	md	d	md	md	md	d	d	md	md	d
Tree species	Tb	Tb	Tb	Tb	Tb	Tb	Tb	Bp	Jc	Bp	Bp	Sa	Jc	Fe	Sa	Bp	Ca	Jc	Bp	Fe	Fe	Bp	Bp	Ug	Pp	Jc
Height	60	60	60	60	60	60	60	80	23	90	100	70	20	120	70	70	40	27	70	70	75	90	90	100	70	18
Circ. at 1m.	21	21	21	21	21	21	21	12	7	18	17	9	5	17	16	7	1.5	7	7	19	22	30	18	18	12	5
Cover % : total	90	100	90	100	80	90	95	80	65	85	90	50	75	100	90	60	85	60	65	90	60	75	85	70	90	65
Bryops.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.	5	.	.	.	.	.	.	5	.	.
Lichens	3	2	30	30	70	85	85	80	65	85	90	50	75	95	90	60	80	60	65	90	60	75	85	65	90	65
Species total	2	2	3	3	2	2	2	3	2	4	7	5	6	6	6	4	3	4	7	4	4	4	6	4	1	1
Pleurococcus sp.	9	9	6	7	5	4	4	2	3	3	4												3			
Lecanora conizaeoides										7	8	5	.	5	7	5	3	6	6				2			
<u>Ass. Xylographetum parallelae</u>																										
Xylographa abietina																										5
<u>Ass. Calicium hyperellae</u>																										
Coniocybe furfuracea																				2	4	4				
Calicium viride																					5	6				
<u>Ass. Chaenothecetum melanophaeae</u>																										
Chaenotheca ferruginea																								4	6	
Lecidea scalaris																								1		
<u>O. & All. character species</u>																										
Lepraria incana	3	.	6	6	8	9	9	9	8	7	4	6	8	8	4	8	8									
<u>Other species</u>																										
Parmelia physodes	.	2	.	2	.	.	.	.	.	3	4	1	2	2	3	.	.	3	4	.	.	.	4	.	.	.
Cetraria glauca	.	.	.	.	.	.	.	.	.	.	1	3	3	.	3	.	.	.	1	.	.	.	2	.	.	.
Cladonia coniocraea	.	.	.	.	.	.	.	.	.	.	.	.	3	.	3	2	.	5	1	2	.	.	1	2	.	.
C. macilenta	.	.	.	.	.	.	.	.	.	.	.	.	1	2	.	2	.	.	1	.	.	.	.	.	.	.
Parmelia saxatilis	.	.	1	.	.	.	.	.	.	.	.	1	.	.	4	.	.	.	.	.	.	.	.	.	.	.

Also: (P 47) Pertusaria amara 2; Ochrolechia turneri 2. (B 34) Cladonia ochrochlora 1. (M 65) Hypnum cupressiforme 3.
(P 85) Lecanora expallens 1. (M 98) Hypnum cupressiforme 4; Frullania dilatata 1. (M 55) Lecanora expallens 5;
Lecanora chlorina 4; Hypnum cupressiforme 5.

TABLE VI/20

LEUCOBRYO-TETRAPHIDETUM

	B	B	B	P	J	B	B	B	B	B	M	M	M	P	P
Aufnahme No.	29	37	25	42	35	22	23	64	10	27	37	38	39	5	19
Aspect	S	W	SE	N	NE	-	N	W	N	N	NNE	W	all	N	E
Slope °	0-20	60	80	70	60	-	60	70	100	110	100	100	10	70	80
Area (sq.dm.)	10	12	10	12	6	10	6	4	8	6	12	10	6	20	10
Height above ground (dm.)	1	4-8	5	0-3	0-1	5	4	0-4	0-4	4	0-4	0-4	3	4-7	1-3
Light	ms	s	s	ms	ms	s	ss	ss	s	ss	ms	ml	s	ml	ms
Exposure	pp	p	pp	p	p	pp	pp	pp	pp	pp	p	p	p	p	mp
Humidity	m	md	m	md	m	m	m	m	m	m	md	md	md	md	md
Tree species	Ca	Bp	Bp	Bp	Tb	Bp	Bp	Bp	Bp	Bp	Bp	Bp	Bp	Bp	Bp
Height	50	70	60	90	45	60	60	60	60	70	80	80	80	45	90
Circ. at 1m.	7	15	10	15	9	10	10	11	4	10	13	13	13	10	20
Cover % : total	95	85	100	90	95	85	90	65	85	85	75	60	80	95	65
Bryops.	95	80	65	85	90	75	60	65	60	40	75	60	75	90	60
Lichens	3	5	35	5	5	10	30	2	25	45	1	.	5	5	5
Species total	8	5	7	7	7	8	10	8	11	10	7	6	6	6	8

Local Ass. character species

<i>Tetraphis pellucida</i>	4	4	.	5	.	.	.	4	5	4	5	5	6	1	6
<i>Dicranum scoparium</i>	.	4	.	7	.	7	6	2	4	1	5	4	5	7	5
<i>Lophozia ventricosa</i>	2	.	4	.	3	4	5	7	4	4	2	4	2	.	6
<i>Lepidozia reptans</i>	5	6	5	.	5	.	.	.	.	2	.	.	4	.	.
<i>Cladonia macilenta</i>	2	.	4	2	3	4	3	.	4	5	.	.	2	4	2
<i>C. squamosa</i>	3	.	6	.	.	4	4	.	3	2	.	.	.	.	.

Companion species

<i>Mnium hornum</i>	7	5	.	6	5	4	4	4	.	.	5	4	5	7	.
<i>Lophocolea cuspidata</i>	2	.	4	.	.	4	4	3	.	.	.	5	.	.	2
<i>Lepraria incana</i>	.	4	.	3	2	.	.	.	5	6	1	.	3	2	3
<i>Barbilophozia floerkei</i>	1	1	.	.	.	.	3	5	4	4	.	.	.	.	.
<i>B. attenuata</i>	.	.	5	.	.	.	4	5	.	3	.	.	.	.	.
<i>Dicranella heteromalla</i>	.	.	.	.	7	.	.	.	5	.	2	3	.	.	.
<i>Cladonia coniocraea</i>	.	.	.	.	.	.	1	.	3	1	.	.	.	2	.
<i>Cetraria glauca</i>	.	.	.	.	.	.	5	2	.	.	.	.	.	.	2

Also: (B 25) *Diplophyllum albicans* 1. (P 42) *Cladonia ochrochlora* 2; *Plagiothecium curvifolium* 4. (J 35) *Campylopus flexuosus* 3. (B 22) *Diplophyllum albicans* 1; *Isothecium myosuroides* 4. (B 64) *Diplophyllum albicans* 1. (B 10) *Pohlia nutans* 4; *Plagiothecium succulentum* 2. (M 37) *Plagiothecium denticulatum* 3. (M 38) *Plagiothecium denticulatum* 4. (P 19) *Cladonia ochrochlora* 1.

TABLE VI/21

HOMALION COMMUNITIES

	M	M	M	M	M	M	M	M
Aufnahme No.	42	44	96	73	53	52	89	35
Aspect	SSE	N	W	NE	SW	E	NW	N
Slope °	80	80	85	20- 80	85	80	10	5
Area (sq.dm.)	40	30	40	40	30	40	20	8
Height above ground (dm.)	13- 18	4-8	3- 10	0-6	1-4	1-5	0-4	4
Light	l	ml	s	s	s	s	s	s
Exposure	mp	p	pp	pp	pp	pp	pp	pp
Humidity	md	md	m	md	m	m	md	md
Tree species	Ug	Ug	Ug	Ug	Fe	Fe	Fe	Sa
Height	100	100	100	100	120	120	60	60
Circ. at 1m.	22	22	19	18	17	17	15	9
Cover % : total	100	100	100	80	100	100	90	80
Bryops.	100	100	95	75	95	90	85	80
Lichens	.	5	5	5	5	10	5	.
Species total	7	10	16	13	7	12	9	8
<i>Isothecium myurum</i>	.	.	.	.	7	5	6	.
<i>Hypnum cupressiforme</i>	4	6	6	4	6	8	5	3
<i>Camptothecium sericeum</i>	8	5	6	.	.	1	3	.
<i>Bryum capillare</i>	7	4	4	5	5	4	.	.
<i>Plagiothecium succulentum</i>	.	4	.	4	3	.	4	.
<i>Tortula ruralis</i>	3	3	3	.	.	.	.	.
<i>Frullania dilatata</i>	3	4	2	.	.	.	.	.
<i>Peltigera praetextata</i>	.	4	.	.	.	.	4	.
<i>Brachythecium rutabulum</i>	.	6	.	2	.	.	.	.
<i>B. velutinum</i>	.	.	.	6	.	.	.	.
<i>Porella platyphylla</i>	.	5	2	3	.	.	2	.
<i>Omalia trichomanoides</i>	.	.	4	5	.	.	3	.
<i>Plagiochila asplenioides</i>	.	.	.	.	4	1	2	.
<i>Lepraria incana</i>	.	.	.	4	4	3	.	.
<i>Isothecium myosuroides</i>	.	.	6	.	.	.	6	.
<i>Mnium hornum</i>	.	.	3	.	.	.	.	4
<i>Metzgeria furcata</i>	2	.	.	.	.	.	.	4
<i>Lejeunea cavifolia</i>	.	.	.	3	.	.	.	4
<i>Orthotrichum affine</i>	3	.	.	.	.	2	.	.

Also: (M 44) *Mnium stellare* 5. (M 73) *Eurhynchium praelongum* 3; *Climacium dendroides* 2; *Lecidea lucida* 4; *Pohlia cruda* 1. (M 53) *Radula complanata* 3. (M 52) *Lecanora expallens* 1; *Eurhynchium striatum* 2; *Cladonia coniocraea* 2; *C. ochrochlora* 4; *C. chlorophaea* 4. (M 96) *Pertusaria pertusa* 1; *P. albescens* 2; *Porina chlorotica* var. *carpinea* 1; *Mnium undulatum* 1; *M. punctatum* 1; *Peltigera canina* 4; *Bacidia rubella* 2. (M 35) *Thamnium alopecurum* 6; *Eurhynchium striatum* 5; *Trichostomum tenuirostre* 4; *Plagiochila asplenioides* 4.

TABLE VI/12

ASS. PSORETUM OSTREATAE

	P	P	P	P	P	P	P	B	B
Aufnahme No.	2	80	18	81	82	83	84	41	35
Aspect	S	N	SE	E	E	NE	NE	SE	N
Slope °	95	85	130	110	110	95	85	125	110
Area (sq.dm.)	10	8	20	25	10	15	16	10	12
Height above ground (dm.)	10- 15	9- 15	5- 11	4- 12	2-4	4-8	10- 14	8- 11	7- 11
Light	ms	l	ms	ms	ms	ml	ml	ml	ml
Exposure	p	e	me	mp	mp	me	e	p	mp
Humidity	d	d	d	d	d	d	dd	d	dd
Tree species	Bp	Bp	Bp	Bp	Bp	Sa	Bp	Bp	Bp
Height	45	45	90	90	90	100	75	70	70
Circ. at 1m.	10	10	20	23	20	16	12	15	15
Cover % total	80	75	75	85	70	60	70	90	60
Bryops.	.	.	.	5	.	5	5	5	.
Lichens	80	75	75	80	70	55	65	85	60
Species total	5	6	5	6	5	7	9	6	7

Character species of the
Alliance & Association

Lecidea scalaris	6	6	6	7	7	5	5	8	5
Lecanora conizaeoides	7	6	5	6	5	5	4	4	4

Differential species of the
Association

Cladonia coniocraea	.	4	.	5	3	3	5	.	.
C. macilenta	.	4	.	2	.	4	4	.	.

Other species

Parmelia physodes	3	3	3	.	4	2	4	3	3
Cetraria glauca	3	3	.	.	.	2	4	1	1
Hypnum cupressiforme	.	.	.	4	.	4	4	4	.
Parmelia saxatilis	1	.	.	.	3	.	.	.	.
Lepraria incana	.	.	4	.	.	.	.	.	4

Also: (P 18) Ochrolechia androgyna 3. (P 81) Ochrolechia turneri 3. (P 84)
Cladonia chlorophaea 1; Dicranum scoparium 3. (B 41) Dicranum scoparium 1.
(B 35) Lecidea granulosa 4; Porina olivacea 1.

TABLE VI/15

FED. CLADONION CONIOCRAEA

	P	P	P	P	M	M	M	J	J	J	J	J
Aufnahme No.	31	29	40	41	28	24	95	23	39	22	21	48
Aspect	SW	W	NE	E	W	N	-	SW	W	S	NW	N
Slope °	90	70	65	70	80	75	-	85	85	25	80	30
Area (sq.dm.)	12	20	9	9	10	20	10	4	10	4	2	4
Height above ground (dm.)	0-6	4-8	2-4	3-7	0-4	0-5	20	0-2	2-4	6	0-1	0-1
Light	ml	l	ml	ms	ml	ms	l	l	ml	l	s	ms
Exposure	e	me	me	mp	mp	mp	p	p	e	p	pp	p
Humidity	d	md	md	md	md	d	d	md	md	d	md	md
Tree species	Ag	Ag	Bp	Bp	Sa	Bp	Bp	Jc	Jc	Jc	Jc	Tb
Height	90	90	90	90	80	90	80	23	.	23	30	45
Circ. at 1m.	10	17	18	18	12	11	12	7	6	7	7	9
Cover % : total	100	75	90	90	80	85	100	60	60	80	40	75
Bryops.	5	5	.	.	.	20	20	.	.	.	.	.
Lichens	95	70	90	90	80	65	80	60	60	80	40	75
Species total	9	10	7	7	9	7	8	4	7	9	4	8

Fed. Cladonion character species

Cladonia macilenta	5	4	4	3	6	3	2	6	5	.	6	4
C. coniocraea	6	5	8	8	6	5	3	.	5	5	4	.
C. ochrochlora	.	3	3	4	3	2	3	.	.	.	3	.
C. chlorophaea	.	.	.	.	.	.	6	6	4	4	.	.
C. squamosa	.	.	.	.	.	.	.	5	4	5	.	4
C. fimbriata	.	.	.	.	.	.	.	4	4	.	.	.
C. polydactyla	.	.	.	.	2	6	.	.	.	.	.	.
C. pyxidata	.	.	.	.	.	.	2	.	.	.	.	.

Fed. Parmelion saxatilis character species

Parmelia physodes	5	4	4	3	4	.	.	.	.	4	.	6
Cetraria glauca	4	6	3	4	4	.	.	.	.	3	.	6
Parmelia saxatilis	5	4	.	3	3	.	.	.	.	4	.	4

Other species

Hypnum cupressiforme	4	4	.	.	.	5	.	.	4	5	.	.
Lecanora conizaeoides	.	.	4	4	3	4	.	.	.	.	.	5
Ochrolechia androgyna	3	2	.	.	4	4	.	.	.	.	.	.
Lepraria incana	.	.	1	.	.	.	.	.	.	.	4	1;

Also: (P 31) Orthodontium lineare 4; Ochrolechia turneri 4. (P 29) Dicranella heteromalla 3; Orthodontium lineare 3. (J 22) Dicranoweisia cirrata 4; Cephaloziella sp. 2. (J 48) Mycoblastus sanguinarius 3. v (J 39) Lophozia ventricosa 4. (M 95) Metzgeria furcata 5; Pertusaria albescens 7; Buellia punctata 1.

TABLE VI/13

ASS. LECANORETUM PITYREAE

Aufnahme No.	P	J	B	B	B	P	P	M	M	M	M	M	M	P	P	J	J	J	J	J	B	P
Aspect	all	all	all	SE	all	all	all	E	NE	E	all	all	all	all	all	W	all	E	N	E	S	SE
Slope °	5-30	all	all	all	all	all	10-80	110	45	90	all	all	all	all	all	85	all	80	100	80	90	
Area (sq.dm.)	2	9	4	10	10	8	6	2	15	8	8	4	5	5	8	6	10	12	2	8	12	10
Height above ground (dm.)	30-40	15-18	35-45	15-20	40-50	40-50	100	30-36	20-30	18	20-25	6-10	18-24	18-24	110-120	110-130	2-6	15-30	13	3-5	32-36	12-18
Light	l	s	l	ml	ml	ml	l	l	ml	ml	l	s	ml	ml	l	l	ml	ml	s	s	ml	l
Exposure	me	p	e	e	mp	e	e	mp	me	me	p	me	me	e	e	e	e	me	mp	p	p	me
Humidity	dd	md	dd	dd	d	dd	dd	dd	d	d	d	d	dd	dd	dd	dd	md	d	m	md	dd	d
Tree species	Pp	Jc	Jc	Jc	Bp	Bp	Bp	Ag	Sa	Sa	Sa	Cm	Cm	Cm	Bp	Bp	Jc	Pp	Jc	Pp	Bp	Ag
Height	45	30	20	20	70	70	120	90	60	60	60	36	36	36	130	130	.	70	40	70	70	75
Circ. at lm.	5	5	5	5	8	7	15	18	12	16	16	6	6	6	15	15	6	12	6	12	7	8
Cover % : Total	50	85	60	50	80	90	70	75	70	50	90	90	90	60	75	75	75	95	90	60	75	85
Bryops.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lichens	50	80	60	50	80	90	70	75	70	50	90	90	60	75	75	75	95	90	60	75	85	
Species total	1	2	3	3	3	3	2	2	2	3	3	2	2	2	3	2	3	3	4	4	4	4
Pleurococcus sp.	.	4	3	4	2	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lecanora conizaeoides	7	9	8	7	9	9	8	8	8	7	9	6	8	7	8	8	5	9	9	4	6	7
All. Parmelion saxatilis character species	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Parmelia physodes	.	.	4	2	1	2	2	3	.	3	2	6	5	4	2	3	6	5	3	3	6	6
P. saxatilis	.	.	.	.	.	.	.	.	.	1	1	.	.	.	.	.	.	3	4	6	4	3
Cetraria glauca	.	.	.	.	.	.	.	3	.	.	.	.	.	.	1	.	5	.	3	4	2	4

TABLE VI/17

ASS. LECANORETUM CARPINEAE COMMUNITY

	M	P	M	P	P	M	M	M	P	P	M	P
Aufnahme No.	6	7	4	14	15	88	79	32	66	69	5	65
Aspect	all	S	E	NNW	SE	all	all	NE	NW	W	NE	E
Slope °	80- 100	90	80- 100	80	100	all	5- 60	90	85	90	70- 90	80- 90
Area (sq.dm.)	5.6	10	3.5	16	12	12	8	12	5	10	3.5	20
Height above ground (dm.)	10- 18	12- 20	10- 18	12- 18	10- 14	100- 120	18- 22	5-9	2- 12	5- 15	8- 15	5- 15
Light	ll	ml	l	ml	ml	ll	ll	l	ml	ml	l	ml
Exposure	e	me	e	mp	mp	ee	me	me	mp	mp	e	mp
Humidity	dd	d	dd	d	d	dd	dd	dd	dd	dd	dd	dd
Tree species	Fe	Sa	Fe	Sa	Sa	Bp	Fe	Sa	Ca	Ca	Fe	Ca
Height	90	70	90	60	60	120	60	25	40	40	90	40
Circ. at lm.	10	16	10	17	17	10	20	8	1.5	1.5	10	1.5
Cover % : total	90	90	90	85	90	80	90	45	95	95	95	90
Bryops.	.	.	.	.	.	.	.	5	.	.	.	.
Lichens	90	90	90	85	90	80	90	40	95	95	95	90
Species total	3	5	5	6	5	3	5	4	6	5	5	5
Lecanora chlarona	4	3	5	2	.	2	4	5	5	6	4	5
L. chlarotera	.	.	2	4	3	.	.	.	.	1	.	.
L. carpinea	.	.	.	.	.	.	3	3	2	3	.	.
Arthopyrenia punctiformis	.	.	2	.	.	.	2	.	.	.	.	.
Lecanora conizaeoides	9	8	8	7	8	9	8	6	8	8	7	7
Parmelia physodes	4	4	.	5	5	3	4	.	4	.	6	3
P. saxatilis	.	3	4	4	3	.	.	.	.	.	4	.
Cetraria glauca	.	3	.	3	3	.	.	.	3	.	3	4

Also: (P 66) *Arthonia radiata* 1. (P 69) *Pertusaria albescens* 1. (P 65) *Arthonia radiata* 2. (M 32) *Hypnum cupressiforme* 3.

TABLE VI/16

ARTHONIA COMMUNITIES

	All. Lecanorion carpineae												All. Graphidion														
	M	M	M	M	P	M	M	M	M	M	M	M	P	P	P	P	P	P	P	P	P	P	P				
Aufnahme No.	63	62	69	66	67	70	68	71	78	1	22	51	73	72	74	10	49	77	77	57	27	61	54	72	70		
Aspect	NW	W	S	NW	N	SW	SW	W	NW	W	SE	NE	W	NW	E	SW	W	N	NE	W	SE	E	SW	N			
Slope °	10	70-	45	30-	30-	45	80	10-	90-	90	90	75	45	50	90	90	85	85	85	95	80	80	90	10-	20		
Area (sq.dm.)	3	3	4	4	8	30	8	2	4	20	16	20	4	4	20	70	40	21	10	12	14	150	40	2	3		
Height above ground (dm.)	10-	10-	15-	12-	12-	7-	4-	4-	12-	10-	4-	2-8	5-	6-	4-8	10-	2-	4-	2-6	3-7	1-4	0-	5-	9-	8-		
Light	ms	ms	ml	ml	ml	ms	ms	ml	ml	1	ml	1	ms	ml	s	1	ml	1	ms	ml	ml	1	s	1	1		
Exposure	p	p	p	p	p	p	p	p	me	e	me	e	p	p	pp	e	mp	me	p	me	p	me	p	p	p		
Humidity	d	d	d	d	d	d	d	d	d	d	d	dd	d	d	d	d	d	d	d	d	d	d	md	d	d		
Tree species	Ca	Ca	Ca	Ca	Ca	Ca	Ca	Ca	Fe	Bp	Sa	Bp	Ca	Ca	Bp	Fe	Sa	Fe	Sa	Ap	Ag	Fe	Fe	Ca	Ca		
Height	40	40	40	40	40	40	40	40	70	90	100	100	36	60	120	70	60	70	70	70	90	75	120	40	40		
Circ. at lm.	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.2	1.0	15	16	17	1.5	2.5	14	19	16	10	6	28	6	22	17	1.2	1.2		
Cover % : total	50	90	95	85	85	85	80	60	95	95	95	50	100	95	95	95	95	95	90	90	100	95	90	90	60		
Bryops.	.	.	.	1	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	3	.		
Lichens	50	90	95	85	85	85	80	60	95	95	95	50	100	95	95	95	95	90	90	100	90	90	90	60			
Species total	5	6	9	9	10	10	7	6	9	7	11	7	7	6	2	7	7	6	4	6	4	6	9	7	7		
<u>All. Graphidion</u>																											
Pertusaria amara	2																										
Ochrolechia androgyna	4																										
O. turneri	3																										
Pertusaria albescens	.																										
<u>All. Lecanorion carpineae</u>																											
Lecanora chlarona	4																										
L. chlarotera	1																										
<u>O. Arthonietalia character species</u>																											
Arthonia radiata	7																										
Lecidea limitata	.																										
Parmelia glabratula	5																										
Pertusaria pertusa	.																										
<u>All. Parmelion saxatilis character species</u>																											
Parmelia physodes	4																										
P. saxatilis	.																										
Cetraria glauca	.																										
Parmelia furfuracea	.																										
Lecanora conizaeoides	4																										
L. expallens	2																										
Parmelia sulcata	.																										
Evernia prunastri	.																										
Hypnum cupressiforme	.																										
Ulotia phyllantha	.																										

Also: (P 22) Alectoria fuscescens 2; Usnea subfloridana 3. (P 51) Alectoria fuscescens 3; Cladonia macilenta 3. (M 78) Buellia punctata 1. (B 57) Mycoblastus sanguinarius 4. (P 27) Cladonia coniocraea 3. (M 61) Graphis elegans 2; Buellia punctata 1. (M 54) Lepraria incana 5.

TABLE VI/2

	ASS. MOLINIETO-CALLUNETUM												ASS. AGROSTO-FESTUCETUM												ASS. THELYPTERIDO - JUNIPERETUM																																												
	S. ASS. SPHAGNETOSUM						SUB-ASS. TYPICUM						(Species poor)												SUB-ASS. TYPICUM						SUB-ASS. of LOPHOZIA & CAMPYLOPUS																																						
Aufnahme No.	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J															
Species total	33	38	22	25	31	34	27	12	16	23	24	26	29	25	25	22	21	23	19	21	21	29	18	25	24	23	22	18	12	25	19	22	30	14	22	27	30	25	32	24	28	28	31	25	21	22	28	18	32	38	40	38	37	38	37	32	44	39	33	42	40	27	41	35	28				
Aspect	N	NE	NNE	NNE	NNE	N	NNE	NNE	NW	NNE	NNE	NNE	N	N	-	N	NNW	N	-	NE	NNE	NNE	-	-	-	-	-	-	-	-	-	N	NE	NNE	NE	N	NNW	NNE	NNE	NNE	NNW	NE	N	NNW	NE	NNE	NNE	NNE	NNE	NNE	NE	NE	NNE	N	NNE	NNE	N	NW	NNE	NNE									
Slope °	8	10	4	2	10-60	2	5	2	2	2	5	4	4	2	5	-	2	20	5	-	4	10	20	-	-	-	-	-	-	5	4	6	4	15	5	20	20	6	18	5	2	12	12	5	15	12	6	8	10	10	8	6	10	20	10	5	12	5	10	10	15	10	6	10	8	20			
Quadrat size (m ²)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Cover (Domin): Tree	
Shrub	8	5	8	.	.	.	8	3	.	8	.	7	8	9	.	.	8	7	9	.	.	8	9	8	8	9	9	8	9	9	9	9	9	9	9	9	9	9	8	8	8	8	8	8	8	9	10	10	10	10	10	10	9	8	9	9	9	9	9	9	9
Herb	9	5	9	8	10	9	8	9	9	9	10	9	9	10	10	9	9	10	10	10	9	10	10	10	10	10	10	10	5	10	9	9	9	7	7	9	9	8	8	9	8	9	8	9	9	8	9	8	8	8	8	8	8	9	8	9	9	9	9	9	8	8	9	9	9	9	9	9	9
Bryop.	7	9	9	8	7	4	8	6	6	8	6	6	6	7	5	5	7	6	5	7	7	9	5	4	4	5	5	5	5	5	7	7	6	4	5	6	5	5	5	7	7	4	4	4	4	4	5	6	6	4	6	7	7	8	9	8	8	6	6	5	6	8	7	6	7	7	6		
Regional Character species of Ass. Molinieto-Callunetum																																																																					
Molinia caerulea	4	3	4	4	2	7	4	2	4	3	3	4	4	2	4	3	2							
Nardus stricta	3	3	.	.	5	4	.	(+)	1	4	(+)	(+)	(+)	(+)	.	.	3	.	2						
Empetrum nigrum	.	.	.	3	.	.	.	5	7	3	2	(+)	(+)	2	4	2						
Erica tetralix	3	3	4	4	4	4	1	2	2	(+)	.	.	.	3	.	.	3							
Differential species of Sub-ass. Sphagnetosum																																																																					
Carex echinata	1	2	2	1								
Trichophorum cespitosum	4	3	.	3	.	5								
Juncus acutiflorus	3	2	2	4								
Sphagnum papillosum	3	3	5	.	.	3								
S. plumulosum	.	8	.	4	.	2								
S. subsecundum var. auric.	.	5	.	4	2								
Carex panicea	1	2	.	.	2								
Narthecium ossifragum	2	4								
Sphagnum rubellum	3								
S. quinquefarium	.	.	.	6								
Differential species of Ass. Agrosti-Festucetum and Grazing Indicators																																																																					
Carex pilulifera	1								
Veronica officinalis								
Campanula rotundifolia	1								
Holcus mollis	5								
Cerastium fontanum								
Viola riviniana	3								
Rumex acetosa	3								
Stellaria graminea								
Taraxacum officinale								
Regional Character species of the Ass. Thelypterido-Juniperetum and Class Quercetea robori-petraeae																																																																					
Juniperus communis								
Oxalis acetosella								
Mnium hornum								
Plagiothecium denticulatum								
Dryopteris dilatata								
Lophocolea cuspidata								
Gymnocarpium dryopteris								
Thelypteris limbosperma																																																																	

