

CONTENTS

<i>List of figures</i>	viii
<i>Preface and acknowledgements</i>	ix
Preamble	
GENERAL INTRODUCTION	3
The background to the work	3
The scope and methods of data collection	4
The approach to data analysis	7
The style of presentation	8
Mires	
INTRODUCTION TO MIRES	17
The sampling of mire vegetation	17
Data analysis and the description of mire communities	20
Bog and wet heath communities	20
Bog pool communities and poor fens	22
Sedge- and <i>Schoenus</i> -dominated rich fens	24
Fen-meadows and rush-pastures	26
Soakways and springs	29
KEY TO MIRES	31
COMMUNITY DESCRIPTIONS	
M1 <i>Sphagnum auriculatum</i> bog pool community	46
M2 <i>Sphagnum cuspidatum/recurvum</i> bog pool community	51
M3 <i>Eriophorum angustifolium</i> bog pool community	56
M4 <i>Carex rostrata-Sphagnum recurvum</i> mire	58
M5 <i>Carex rostrata-Sphagnum squarrosum</i> mire	61
M6 <i>Carex echinata-Sphagnum recurvum/auriculatum</i> mire	66
M7 <i>Carex curta-Sphagnum russowii</i> mire	78
M8 <i>Carex rostrata-Sphagnum warnstorffii</i> mire	84
M9 <i>Carex rostrata-Calliergon cuspidatum/giganteum</i> mire	88
M10 <i>Carex dioica-Pinguicula vulgaris</i> mire	
<i>Pinguiculo-Caricetum dioicae</i> Jones 1973 emend.	97

M11	<i>Carex demissa</i> - <i>Saxifraga aizoides</i> mire <i>Carici-Saxifragetum aizoidis</i> McVean & Ratcliffe 1962 <i>emend.</i>	115
M12	<i>Carex saxatilis</i> mire <i>Caricetum saxatilis</i> McVean & Ratcliffe 1962	124
M13	<i>Schoenus nigricans</i> - <i>Juncus subnodulosus</i> mire <i>Schoenetum nigricantis</i> Koch 1926	128
M14	<i>Schoenus nigricans</i> - <i>Narthecium ossifragum</i> mire	140
M15	<i>Scirpus cespitosus</i> - <i>Erica tetralix</i> wet heath	144
M16	<i>Erica tetralix</i> - <i>Sphagnum compactum</i> wet heath <i>Ericetum tetralicis</i> Schwickerath 1933	158
M17	<i>Scirpus cespitosus</i> - <i>Eriophorum vaginatum</i> blanket mire	171
M18	<i>Erica tetralix</i> - <i>Sphagnum papillosum</i> raised and blanket mire	183
M19	<i>Calluna vulgaris</i> - <i>Eriophorum vaginatum</i> blanket mire	195
M20	<i>Eriophorum vaginatum</i> blanket and raised mire	212
M21	<i>Narthecium ossifragum</i> - <i>Sphagnum papillosum</i> valley mire <i>Narthecio-Sphagnetum euatlanticum</i> Duvigneaud 1949	219
M22	<i>Juncus subnodulosus</i> - <i>Cirsium palustre</i> fen-meadow	227
M23	<i>Juncus effusus</i> / <i>acutiflorus</i> - <i>Galium palustre</i> rush-pasture	244
M24	<i>Molinia caerulea</i> - <i>Cirsium dissectum</i> fen-meadow <i>Cirsio-Molinietum caeruleae</i> Sissingh & De Vries 1942 <i>emend.</i>	256
M25	<i>Molinia caerulea</i> - <i>Potentilla erecta</i> mire	270
M26	<i>Molinia caerulea</i> - <i>Crepis paludosa</i> mire	283
M27	<i>Filipendula ulmaria</i> - <i>Angelica sylvestris</i> mire	291
M28	<i>Iris pseudacorus</i> - <i>Filipendula ulmaria</i> mire <i>Filipendulo-Iridetum pseudacori</i> Adam 1976 <i>emend.</i>	302
M29	<i>Hypericum elodes</i> - <i>Potamogeton polygonifolius</i> soakway <i>Hyperico-Potametum polygonifolii</i> (Allorge 1921) Braun-Blanquet & Tüxen 1952	310
M30	Related vegetation of seasonally-inundated habitats <i>Hydrocotylo-Baldellion</i> Tüxen & Dierssen 1972	315
M31	<i>Anthelia julacea</i> - <i>Sphagnum auriculatum</i> spring <i>Sphagno auriculati-Anthelietum julaceae</i> Shimwell 1972	316
M32	<i>Philonotis fontana</i> - <i>Saxifraga stellaris</i> spring <i>Philonoto-Saxifragetum stellaris</i> Nordhagen 1943	319
M33	<i>Pohlia wahlenbergii</i> var. <i>glacialis</i> spring <i>Pohlietum glacialis</i> McVean & Ratcliffe 1962	326
M34	<i>Carex demissa</i> - <i>Koenigia islandica</i> flush	329
M35	<i>Ranunculus omiophyllus</i> - <i>Montia fontana</i> rill	331
M36	Lowland springs and streambanks of shaded situations <i>Cardaminion</i> (Maas 1959) Westhoff & den Held 1969	334
M37	<i>Cratoneuron commutatum</i> - <i>Festuca rubra</i> spring	335
M38	<i>Cratoneuron commutatum</i> - <i>Carex nigra</i> spring	340
Heaths		
INTRODUCTION TO HEATHS		347
The sampling of heath vegetation		347
Data analysis and the description of heath communities		349

Contents	vii
Lowland dry heaths	350
Transitions to wet heaths in the lowlands	352
Maritime heaths	353
Sub-montane heaths of the north and west	354
Sub-alpine transitions to snow-bed vegetation	356
Montane heaths with lichens and mosses	356
KEY TO HEATHS	359
COMMUNITY DESCRIPTIONS	
H1 <i>Calluna vulgaris</i> - <i>Festuca ovina</i> heath	372
H2 <i>Calluna vulgaris</i> - <i>Ulex minor</i> heath	383
H3 <i>Ulex minor</i> - <i>Agrostis curtisii</i> heath	391
H4 <i>Ulex gallii</i> - <i>Agrostis curtisii</i> heath	398
H5 <i>Erica vagans</i> - <i>Schoenus nigricans</i> heath	412
H6 <i>Erica vagans</i> - <i>Ulex europaeus</i> heath	422
H7 <i>Calluna vulgaris</i> - <i>Scilla verna</i> heath	434
H8 <i>Calluna vulgaris</i> - <i>Ulex gallii</i> heath	448
H9 <i>Calluna vulgaris</i> - <i>Deschampsia flexuosa</i> heath	460
H10 <i>Calluna vulgaris</i> - <i>Erica cinerea</i> heath	471
H11 <i>Calluna vulgaris</i> - <i>Carex arenaria</i> heath	484
H12 <i>Calluna vulgaris</i> - <i>Vaccinium myrtillus</i> heath	492
H13 <i>Calluna vulgaris</i> - <i>Cladonia arbuscula</i> heath	504
H14 <i>Calluna vulgaris</i> - <i>Racomitrium lanuginosum</i> heath	514
H15 <i>Calluna vulgaris</i> - <i>Juniperus communis</i> ssp. <i>nana</i> heath	522
H16 <i>Calluna vulgaris</i> - <i>Arctostaphylos uva-ursi</i> heath	527
H17 <i>Calluna vulgaris</i> - <i>Arctostaphylos alpinus</i> heath	538
H18 <i>Vaccinium myrtillus</i> - <i>Deschampsia flexuosa</i> heath	545
H19 <i>Vaccinium myrtillus</i> - <i>Cladonia arbuscula</i> heath	556
H20 <i>Vaccinium myrtillus</i> - <i>Racomitrium lanuginosum</i> heath	565
H21 <i>Calluna vulgaris</i> - <i>Vaccinium myrtillus</i> - <i>Sphagnum capillifolium</i> heath	576
H22 <i>Vaccinium myrtillus</i> - <i>Rubus chamaemorus</i> heath	585
INDEX OF SYNONYMS TO MIRES AND HEATHS	593
INDEX OF SPECIES IN MIRES AND HEATHS	605
BIBLIOGRAPHY	615