

APPENDIX 1

VEGETATION TABLES

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TABLE A.				
W11c birchwood: <i>Quercus petraea</i> - <i>Betula pubescens</i> - <i>Dicranum majus</i> woodland, <i>Anthoxanthum odoratum</i> - <i>Agrostis capillaris</i> sub-community.				
Silver Birch dominated woodland with a grassy groundcover.				
Quad ref.	GPS ref	elevation	gradient	Comment
A	NH 32394 / 29452	all from 100m to 150m	all sloping to NW	These quadrats were taken in November 2008 and scored simply on presence/absence
B	NH 32678 / 29084			
C	NH 32693 / 29090			
D	NH 32661 / 29137			
E	NH 32508 / 29376			

	Species	Present (absent=blank)					Frequency
		A	B	C	D	E	
constant species	<i>Betula pendula</i>	x	x	x	x	x	V
	<i>Anthoxanthum odoratum</i>	x	x	x	x		IV
	<i>Galium saxatile</i>	x	x	x	x	x	V
	<i>Potentilla erecta</i>		x	x	x	x	IV
	<i>Oxalis acetosella</i>	x	x	x	x		IV
	<i>Veronica officinalis</i>		x	x	x	x	IV
	<i>Hylocomium splendens</i>	x	x		x	x	IV
	<i>Thuidium tamariscinum</i>	x	x	x	x	x	V
	<i>Scleropodium purum</i>	x	x	x	x	x	V
frequent species	<i>Festuca ovina</i>	x			x	x	III
	<i>Agrostis canina</i>			x	x	x	III
	<i>Deschampsia flexuosa</i>	x		x	x		III
	<i>Viola riviniana</i>		x	x	x		III
	<i>Polytrichum formosum</i>	x	x	x			III
	<i>Rhytidiadelphus squarrosus</i>			x	x	x	III
occasional & scarce species	<i>Agrostis capillaris</i>	x	x				II
	<i>Rhytidiadelphus triquetrus</i>	x				x	II
	<i>Hypericum pulchrum</i>		x				I
	<i>Vaccinium myrtillus</i>					x	I
	<i>Euphrasia officinalis</i> agg.					x	I
	<i>Peurozium schreberi</i>		x				I
	<i>Plagiomnium undulatum</i>				x		I
Liverwort sp.		x				I	

Additional species outside of quadrats (other survey work):

Pteridium aquilinum
Blechnum spicant
Anemone nemorosa
Polygala serpyllifolia
Trientalis europea
Luzula pilosa

TABLE B.				
M1 bog pools: <i>Sphagnum denticulatum</i> bog pool community				
Sphagnum-filled pools in plateau bog				
Quad ref.	GPS ref	elevation	gradient	Comment
A	NH 34514 / 24689	466m	all level	
B	NH 34479 / 24685	465m		
C	NH 34453 / 24687	465m		
D	NH 34445 / 24660	464m		
E	NH 34509 / 24710	466m		

	Species	Cover score by quadrat*					Frequency & cover range
		A	B	C	D	E	
con- stant	<i>Sphagnum cuspidatum</i>	8	9	10	8	7	V (7-10)
	<i>Eriophorum angustifolium</i>		3	1	3	1	IV (1-3)
freq- uent	<i>Sphagnum tenellum</i>	3			1	2	III (1-3)
	<i>Sphagnum palustre</i>	4	4			3	III (3-4)
	<i>Trichophorum caespitosum</i>	4			3	1	III (1-4)
occas- ional	<i>Sphagnum denticulatum</i>		3		4		II (3-4)
	<i>Sphagnum magellanicum</i>	6			7		II (6-7)
scarce	<i>Drosera rotundifolia</i>					1	I (1)

***Cover score:**

1	<4% cover, few individual plants	6	26 – 33% cover
2	<4% cover, several individuals	7	34 – 49% cover
3	<4% cover, many individuals	8	50 – 75% cover
4	5 – 10% cover	9	76 – 90% cover
5	11 – 25% cover	10	91 – 100% cover

TABLE C.

TABLE C.			
M6a small sedge mire: <i>Carex echinata-Sphagnum fallax/denticulatum</i> mire, <i>Carex echinata</i> sub-community			
Flush alongside watercourse with abundant sedges and Sphagnum mosses.			
Quad ref.	GPS ref	Peat depth	Comment
A	NH 35481 / 25163	60cm	This particular flush has some neutral or slightly basic influence and is perhaps transitional to M10a in places.
B	NH 35491 / 25176		
C	NH 35509 / 25192	60cm	

	Species	Cover score by quadrat*			Frequency & cover range
		A	B	C	
constant species	<i>Carex echinata</i>	4	3	5	V (3-5)
	<i>Carex panicea</i>	4	4	4	V (4)
	<i>Trichophorum caespitosum</i>	2	2	2	V (2)
	<i>Eriophorum angustifolium</i>	3	3	4	V (3-4)
	<i>Molinia caerulea</i>	5	4	5	V (4-5)
	<i>Erica tetralix</i>	4	1	1	V (1-4)
	<i>Myrica gale</i>	4	1	1	V (1-4)
	<i>Potentilla erecta</i>	3	2	2	V (2-3)
	<i>Polygala serpyllifolia</i>	3	2	2	V (2-3)
	<i>Drosera rotundifolia</i>	1	1	1	V (1)
	<i>Sphagnum inundatum</i>	3	4	5	V (3-5)
<i>Sphagnum palustre</i>	6	4	3	V (3-6)	
frequent or constant species	<i>Carex nigra</i>	3	5		III-IV (3-5)
	<i>Carex dioica</i>	1		1	III-IV (1)
	<i>Carex pulicaris</i>		2	1	III-IV (1-2)
	<i>Calluna vulgaris</i>	1	2		III-IV (1-2)
	<i>Viola palustris</i>	1		3	III-IV (1-3)
	<i>Euphrasia officinalis</i> agg.	1		1	III-IV (1)
	<i>Succisa pratensis</i>	1		1	III-IV (1)
	<i>Narthecium ossifragum</i>	1		1	III-IV (1)
	<i>Selaginella selaginoides</i>	2	1		III-IV (1-2)
	<i>Sphagnum subnitens</i>	2		4	III-IV (2-4)
	<i>Campylium stellatum</i>	1	1		III-IV (1)
occasional or scarce species	<i>Carex lasiocarpa</i>	4			I-II (4)
	<i>Carex viridula oedocarpa</i>			1	I-II (1)
	<i>Eriophorum latifolium</i>			1	I-II (1)
	<i>Juncus articulatus</i>	1			I-II (1)
	<i>Juncus bulbosus</i>	1			I-II (1)
	<i>Triglochin palustre</i>	1			I-II (1)
	<i>Pinguicula vulgaris</i>	1			I-II (1)
	<i>Rhytidiadelphus squarrosus</i>		2		I-II (2)

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4	5 – 10% cover	9	76 – 90% cover
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TABLE D.					
M15a flushed wet heath:					
<i>Trichophorum caespitosum</i> - <i>Erica tetralix</i> wet heath, <i>Carex panicea</i> sub-community					
Flushed wet heath, with abundant sedges and/or bryophytes.					
Quad.	GPS ref	elev	gradient	peat depth	Comment
A	NH 35021 / 24998		<5°	140cm	Samples taken from various stands; quadrats E and F are from the type on very shallow peat, without sedges but with <i>Narthecium</i> & <i>Pleurozia purpurea</i> in a low, open sward
B	NH 35017 / 24984	421m	>5°	>150cm	
C	NH 34703 / 25014	450m	<5°	40cm	
D	NH 34410 / 24454			>150cm	
E	NH 35052 / 24936				
F	NH 34341 / 24771				

	Species	Cover score by quadrat						Frequency & cover range
		A	B	C	D	E	F	
constant species	<i>Trichophorum caespitosum</i>	4	5	5	4	4	5	V (4-5)
	<i>Erica tetralix</i>	4	2	4	4	4	5	V (2-5)
	<i>Calluna vulgaris</i>	2	3	4	3	3	4	V (2-4)
	<i>Molinia caerulea</i>	5	4	5	4	5	3	V (4-5)
	<i>Narthecium ossifragum</i>	4	4	3	6	3	7	V (3-7)
	<i>Eriophorum angustifolium</i>	4	3	1	4			IV (1-4)
	<i>Myrica gale</i>	4	5		4	4		IV (4-5)
	<i>Sphagnum subnitens</i>	4	5	8		4		IV (4-8)
	<i>Potentilla erecta</i>	3	3	3			2	IV (2-3)
	<i>Sphagnum tenellum</i>		3	2	3	3	3	V (2-3)
	<i>Sphagnum inundatum</i>		2	3	8		2	IV (2-8)
frequent species	<i>Carex echinata</i>	4	3		3			III (3-4)
	<i>Drosera rotundifolia</i>	2	2		2			III (2)
	<i>Succisa pratensis</i>		3	3			1	III (1-3)
	<i>Selaginella selaginoides</i>	2	3	3				III (2-3)
	<i>Sphagnum capillifolium</i>	3	4	3				III (3-4)
	<i>Racomitrium lanuginosum</i>				3	1	3	III (1-3)
	<i>Hypnum jutlandicum</i>			3		1	4	III (1-4)
	<i>Cladonia portentosa</i>				2	3	3	III (2-3)
occasional species	<i>Carex lasiocarpa</i>			4	3			II (3-4)
	<i>Carex dioica</i>	3	3					II (3)
	<i>Polygala serpyllifolia</i>	2	1					II (1-2)
	<i>Euphrasia officinalis</i> agg.		2	2				II (2)
	<i>Sphagnum palustre</i>	5			3			II (3-5)
	<i>Sphagnum papillosum</i>	4			1			II (1-4)
	<i>Sphagnum compactum</i>					4	3	II (3-4)
	<i>Breutelia chrysocoma</i>		1	2				II (1-2)
	<i>Pleurozia purpurea</i>					4	7	II (4-7)
	<i>Diplophyllum albicans</i>				1	3		II (1-3)
scarce species	<i>Carex panicea</i>			3				I (3)
	<i>Carex rostrata</i>			2				I (2)
	<i>Carex pulicaris</i>				2			I (2)
	<i>Eriophorum vaginatum</i>		3					I (3)
	<i>Juncus squarrosus</i>			1				I (1)
	<i>Tofieldia pusilla</i>		2					I (2)
	<i>Pinguicula vulgaris</i>		2					I (2)
	<i>Pedicularis sylvatica</i>						3	I (3)
	<i>Sphagnum denticulatum</i>	3						I (3)
	<i>Calypogeia</i> sp.			3				I (3)
	<i>Cladonia uncialis</i>					1		I (1)
	<i>Cladonia arbuscula</i>						4	I (4)

TABLE E.

M15b wet heath: <i>Trichophorum caespitosum-Erica tetralix</i> wet heath, typical sub-community			
Quad	GPS ref	Peat depth	Comment
A	NH 35329 / 25123	70cm	Samples from various stands, around the spur plateau and along the upper access route.
B	NH 35207 / 25035	50cm	
C	NH 35142 / 25006	40cm	
D	NH 34992 / 24990	40cm	
E	NH 34459 / 24778	10cm	
F	NH 34393 / 24776	30cm	
G	NH 34324 / 24723	20cm	
H	NH 34446 / 24363	20cm	

	Species	Cover score by quadrat*								Frequency & cover range
		A	B	C	D	E	F	G	H	
constant species	<i>Trichophorum caespitosum</i>	7	7	7	6	8	5	8	5	V (5-8)
	<i>Calluna vulgaris</i>	4	6	8	2	6	7	6	4	V (2-8)
	<i>Erica tetralix</i>	4	4	4	4	4	3	3	4	V (3-4)
	<i>Sphagnum capillifolium</i>	4	3	6	3	1	5	3		V (1-6)
	<i>Sphagnum tenellum</i>	5	4	2	5	2	1		3	V (1-5)
	<i>Molinia caerulea</i>				4	1	5	3	7	IV (1-7)
	<i>Eriophorum angustifolium</i>	3	2	3	3		3	3		IV (2-3)
	<i>Narthecium ossifragum</i>	7	4		5	2	1		3	IV (1-7)
	<i>Hypnum jutlandicum</i>		4	5		3	4	4	3	IV (3-5)
	<i>Cladonia portentosa</i>		4	4		4	6	4		IV (4-6)
frequent species	<i>Potentilla erecta</i>						2	2	1	III (1-2)
	<i>Myrica gale</i>	4		4	5					III (4-5)
	<i>Sphagnum subnitens</i>				3		3	4		III (3-4)
	<i>Odontoschisma sphagni</i>	3		3			1			III (1-3)
	<i>Cladonia arbuscula</i>					5	4		3	III (3-5)
occasional species	<i>Betula nana</i>		4						3	II (3-4)
	<i>Juncus squarrosus</i>					2			2	II (2)
	<i>Sphagnum papillosum</i>	2			1					II (1-2)
	<i>Sphagnum inundatum</i>							1	6	II (1-6)
	<i>Racomitrium lanuginosum</i>					5			3	II (3-5)
	<i>Mylia</i> sp.		1				1			II (1)
	<i>Diplophyllum albicans</i>		2					2		II (2)
scarce species	<i>Eriophorum vaginatum</i>	1								I (1)
	<i>Drosera rotundifolia</i>				3					I (3)
	<i>Sphagnum compactum</i>								3	I (3)
	<i>Sphagnum palustre</i>				1					I (1)
	<i>Plagiothecium undulatum</i>							1		I (1)
	<i>Pleurozia purpurea</i>								5	I (5)
	<i>Cladonia uncialis</i>					3				I (3)
	<i>Cladonia ciliata</i>						3			I (3)
	<i>Cladonia rangiferina</i>					1				I (1)

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3	<4% cover, many individuals	8	50 – 75% cover
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5	11 – 25% cover	10	91 – 100% cover

TABLE F.					
M16d wet heath: <i>Erica tetralix-Sphagnum compactum</i> wet heath, <i>Juncus squarrosus-Dicranum scoparium</i> sub-community					
Quad	GPS ref	elevation	gradient	Peat depth	Comment
A	NH 35225 / 25053	413m	<10° N	30cm	Samples from various stands, mostly along the upper access route
B	NH 35200 / 25015	415m	10° W	25cm	
C	NH 35131 / 24942	422m	10-20° E	10cm	
D	NH 35010 / 24895	432m	level	30cm	
E	NH 34793 / 24601	450m	10° NE	40cm	
F	NH 35472 / 25205	408m	level	10cm	
G	NH 35372 / 25090	410m	<10° NE	20cm	
H	NH 35285 / 25118			40cm	

	Species	Cover score by quadrat*								Frequency & cover range
		A	B	C	D	E	F	G	H	
constant species	<i>Erica tetralix</i>	6	5	4	4	5	5	4	5	V (4-6)
	<i>Trichophorum caespitosum</i>	8	7	8	7	7	7	7	7	V (7-8)
	<i>Calluna vulgaris</i>	5	6	6	6	6	5	4	6	V (4-6)
	<i>Juncus squarrosus</i>	3	2		3		2	3	4	IV (2-4)
	<i>Narthecium ossifragum</i>			2		3	4	4	3	IV (2-4)
	<i>Sphagnum compactum</i>	1	1	2		1	1	2		IV (1-2)
	<i>Sphagnum tenellum</i>		1	2		1		2	1	IV (1-2)
	<i>Hypnum jutlandicum</i>	3	3	1	4	5	1	2	4	V (1-5)
	<i>Cladonia portentosa</i>	3	5	4	4	5	1	3	3	V (1-5)
	<i>Cladonia uncialis</i>	2	2	1	1	2	3	3		V (1-3)
frequent species	<i>Molinia caerulea</i>			3	1	1	3			III (1-3)
	<i>Sphagnum capillifolium</i>	1	1						3	III (1-3)
	tiny, leafy liverwort sp.			1	1			1	4	III (1-4)
	red-tipped <i>Cladonia</i> sp.			1	1		1		1	III (1)
	cup-forming <i>Cladonia</i> sp.		1			1	2			III (1-2)
occasional species	<i>Potentilla erecta</i>					1	2			II (1-2)
	<i>Sphagnum subnitens</i>	1							4	II (1-4)
	<i>Racomitrium lanuginosum</i>					2	1			II (1-2)
	<i>Pleurozia purpurea</i>	2						2		II (2)
	<i>Cladonia arbuscula</i>	2			1					II (1-2)
scarce species	<i>Erica cinerea</i>			3						I (3)
	<i>Betula nana</i>					1				I (1)
	<i>Nardus stricta</i>						1			I (1)
	<i>Dicranum soparium</i>								1	I (1)
	<i>Thuidium tamariscinum</i>				1					I (1)
	<i>Mylia taylorii</i>								1	I (1)

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TABLE G.				
M17a blanket mire: <i>Trichoporum caespitosum</i> - <i>Eriophorum vaginatum</i> blanket mire, <i>Drosera rotundifolia</i> - <i>Sphagnum</i> species sub-community				
Wet mire on deep peat.				
Quad ref.	GPS ref	gradient	Peat depth	Comment
A	NH 35556 / 25167	<5°	>150cm	All samples from a single stand; <i>Myrica gale</i> was patchily frequent, but not within the quadrats sampled.
B	NH 35547 / 25152	<5°	>150cm	
C	NH 35513 / 25141	<5°	>150cm	
D	NH 35491 / 25115	<5°	>150cm	
E	NH 35497 / 25042	<5°	>150cm	

	Species	Cover score by quadrat*					Frequency & cover range
		A	B	C	D	E	
constant species	<i>Trichoporum caespitosum</i>	8	5	7	8	4	V (4-8)
	<i>Eriophorum vaginatum</i>	5	8	4	4	8	V (4-8)
	<i>Eriophorum angustifolium</i>	3	3	4	3	1	V (1-4)
	<i>Erica tetralix</i>	5	5	4	4	3	V (3-5)
	<i>Calluna vulgaris</i>	4	3	2	1	4	V (1-4)
	<i>Drosera rotundifolia</i>	2		3	3	3	IV (2-3)
	<i>Sphagnum papillosum</i>	1	8		2	6	IV (2-8)
	<i>Sphagnum capillifolium</i>	7	5	5	8	5	V (5-8)
	<i>Sphagnum subnitens</i>	5	6		2	4	IV (2-6)
	<i>Sphagnum tenellum</i>	3	3	8	4	5	V (3-8)
	<i>Sphagnum cuspidatum</i>	1		3	5	3	IV (1-5)
	<i>Mylia anomala</i>	2		3	3	3	IV (2-3)
frequent	<i>Cladonia portentosa</i>	1		1		1	III (1)
occasional	<i>Narthecium ossifragum</i>			4		3	II (3-4)
	<i>Cladonia uncialis</i>	1		1			II (1)
scarce	<i>Drosera anglica</i>				1		I (1)
	<i>Sphagnum palustre</i>					4	I (4)
	<i>Odontoschisma spagni</i>	2					I (2)
	<i>Cladonia arbuscula</i>					1	I (1)

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TABLE H.			
M17b blanket mire: <i>Trichophorum caespitosum-Eriophorum vaginatum</i> blanket mire, <i>Cladonia</i> species sub-community			
Quad	GPS ref	Peat depth	Comment
A	NH 34503 / 24557	150cm	
B	NH 34560 / 24618	100cm	
C	NH 34480 / 24489	>150cm	
D	NH 34298 / 24481	90cm	
E	NH 34792 / 24900	130cm	
F	NH 34491 / 24520	100cm	
G	NH 34521 / 24461	>150cm	
H	cNH 34800 / 25100	>150cm	
J	cNH 34800 / 25100	>150cm	

	Species	Cover score by quadrat*										Frequency & cover range
		A	B	C	D	E	F	G	H	J		
constant species	<i>Trichophorum caespitosum</i>	8	8	4	4	4	8	8	6	5	V (4-8)	
	<i>Eriophorum vaginatum</i>	3	3	5	4	5			2	1	IV (1-5)	
	<i>Eriophorum angustifolium</i>	1	3	1	3	2	3	3	3	3	V (1-3)	
	<i>Erica tetralix</i>	4	3	3	3	2	4	3	2	2	V (2-4)	
	<i>Calluna vulgaris</i>	4	4	5	5	5	4	4	6	8	V (4-8)	
	<i>Sphagnum tenellum</i>	3	4	1	2	2		1	3	4	V (1-4)	
	<i>Racomitrium lanuginosum</i>	4	3	1	1		4	2	5	3	V (1-5)	
	<i>Cladonia portentosa</i>	4	5	4	4	3	7	7	4	3	V (3-7)	
	<i>Cladonia uncialis</i>	2	1	2	3	3	3	1	3	2	V (1-3)	
	<i>Cladonia arbuscula</i>	7	5	4	2	2	3				IV (2-7)	
freq- uent	<i>Sphagnum capillifolium</i>			4	6	5	3	5			III (3-6)	
	<i>Hypnum jutlandicum</i>			3	3			1	5	4	III (1-5)	
occasional species	<i>Narthecium ossifragum</i>	3	3			3					II (3)	
	<i>Drosera rotundifolia</i>	1	1								II (1)	
	<i>Sphagnum papillosum</i>	4							1		II (1-4)	
	<i>Sphagnum compactum</i>					1		1			II (1)	
	<i>Sphagnum cuspidatum</i>	3	4				1				II (1-4)	
	<i>Sphagnum subnitens</i>						2	4			II (2-4)	
	<i>Mylia</i> spp.	2	1								II (1-2)	
	cup-forming <i>Cladonia</i> sp.				1				1	1	II (1)	
scarce species	<i>Myrica gale</i>							4			I (4)	
	<i>Dicranum scoparium</i>									1	I (1)	
	<i>Odontoschisma sphagni</i>							1			I (1)	
	<i>Cladonia rangiferina</i>	1									I (1)	
	<i>Cladonia ciliata</i>								1		I (1)	

***Cover score:**

1	<4% cover, few individual plants	6	26 – 33% cover
2	<4% cover, several individuals	7	34 – 49% cover
3	<4% cover, many individuals	8	50 – 75% cover
4	5 – 10% cover	9	76 – 90% cover
5	11 – 25% cover	10	91 – 100% cover

TABLE I.			
M18a blanket mire: <i>Erica tetralix</i> - <i>Sphagnum papillosum</i> blanket mire, <i>Sphagnum magellanicum</i> - <i>Andromeda polifolia</i> sub-community			
Quad	GPS ref	elevation	Comment All samples from the main stand in the centre of the spur plateau – all on deep peat. Quadrats F, G, H and J from wetter parts closer to pools.
A	NH 34437 / 24647	465m	
B	NH 34442 / 24663	464m	
C	NH 34464 / 24689	463m	
D	NH 34477 / 24714	464m	
E	NH 34520 / 24726	465m	
F	NH 34627 / 24737		
G	NH 34541 / 24744		
H	NH 34498 / 24709	465m	
J	NH 34547 / 24765	451m	

	Species	Cover score by quadrat*								Frequency & cover range	
		A	B	C	D	E	F	G	H		J
constant species	<i>Erica tetralix</i>	3	3	4	4	4	4	3	2	2	V (2-4)
	<i>Calluna vulgaris</i>	4	5	4	3	4	4	3	3	1	V (1-5)
	<i>Eriophorum vaginatum</i>		3	6	3	4	1	3	3	5	V (1-6)
	<i>Eriophorum angustifolium</i>	3	3	3	4	2	3	4	4	3	V (2-4)
	<i>Trichophorum caespitosum</i>	8	7	8	7	7	7	7	4	4	V (4-8)
	<i>Drosera rotundifolia</i>		2	2	3	1	3	3	2	3	V (1-3)
	<i>Narthecium ossifragum</i>	3		2	2		1	3		3	IV (1-3)
	<i>Sphagnum papillosum</i>		4	6	8		7	4	6	4	IV (4-8)
	<i>Sphagnum magellanicum</i>		6	6		5	4	7	8	9	IV (4-9)
	<i>Sphagnum cuspidatum</i>	4	4		1	4	4	3	2	3	V (1-4)
	<i>Sphagnum capillifolium</i>	4	4	6	4	6	3	2		3	V (2-6)
	<i>Sphagnum tenellum</i>	3	3	4	5	6	4	3	3	4	V (3-6)
<i>Cladonia portentosa</i>	7	6	6	5	6	4	5	2	4	V (2-7)	
frequent	<i>Sphagnum palustre</i>			3	2			2	3		III (2-3)
	<i>Racomitrium lanuginosum</i>	2	3	1	3						III (1-3)
	<i>Cladonia arbuscula</i>	3	3		2		2	4			III (2-4)
	<i>Mylia anomala</i>			3		3	3	3			III (3)
occasional	<i>Cladonia uncialis</i>						2	1			II (1-2)
	cup-forming <i>Cladonia</i> sp.	2	2								II (2)
scarce	<i>Sphagnum subnitens</i>				5						I (5)
	<i>Odontoschisma sphagni</i>							1			I (1)

***Cover score:**

1	<4% cover, few individual plants	6	26 – 33% cover
2	<4% cover, several individuals	7	34 – 49% cover
3	<4% cover, many individuals	8	50 – 75% cover
4	5 – 10% cover	9	76 – 90% cover
5	11 – 25% cover	10	91 – 100% cover

TABLE J.					
M19a blanket mire: <i>Calluna vulgaris</i> - <i>Eriophorum vaginatum</i> blanket mire, <i>Erica tetralix</i> sub-community					
Heather-dominated rather dry mire vegetation.					
Quad ref.	GPS ref	elev	gradient	Peat depth	Comment
A	c.NH 34750 / 25050	c. 450m	level	110cm	This vegetation occurs in rather small, scattered stands; two quadrats samples were taken from one small stand on spur plateau.
B	c.NH 34750 / 25050	c. 450m	level	110cm	
C					
D					
E					

	Species	Cover score by quadrat*					Frequency & cover range
		A	B	C	D	E	
	<i>Calluna vulgaris</i>	7	8				
	<i>Eriophorum vaginatum</i>	6	7				
	<i>Sphagnum capillifolium</i>	8	6				
	<i>Empetrum nigrum</i>	4	2				
	<i>Hypnum jutlandicum</i>	6	6				
	<i>Erica tetralix</i>	3	3				
	<i>Cladonia portentosa</i>	4	3				
	<i>Cladonia uncialis</i>	3	2				
	<i>Sphagnum tenellum</i>	1	1				
	<i>Odontoschisma sphagni</i>	2	1				
	<i>Trichophorum caespitosum</i>	1					
	<i>Drosera rotundifolia</i>	1					
	<i>Sphagnum subnitens</i>	1					
	<i>Sphagnum [fuscum]</i>	4					
	<i>Hylocomium splendens</i>		1				
	<i>Cladonia arbuscula</i>		2				

***Cover score:**

1	<4% cover, few individual plants	6	26 – 33% cover
2	<4% cover, several individuals	7	34 – 49% cover
3	<4% cover, many individuals	8	50 – 75% cover
4	5 – 10% cover	9	76 – 90% cover
5	11 – 25% cover	10	91 – 100% cover

TABLE K.

H10c and H10d dry heaths: <i>Calluna vulgaris</i> - <i>Erica cinerea</i> dry heath, <i>Festuca ovina</i> - <i>Anthoxanthum odoratum</i> sub-community and <i>Thymus polytrichus</i> - <i>Carex pulicaris</i> sub-community.			
Quad.	GPS ref	sub-community	Comment
A	NH 34480 / 25108	H10c	Quadrat C is a sample from a small stand of the H10d <i>Thymus polytrichus</i> - <i>Carex pulicaris</i> sub-community for comparison.
B	NH 34305 / 24990	H10c	
C	NH 34385 / 25127	H10d	

Species	Cover score by quadrat			
	H10c		H10d	
	A	B		C
<i>Calluna vulgaris</i>	10	9		8
<i>Erica cinerea</i>	4	4		4
<i>Anthoxanthum odoratum</i>	1	2		3
<i>Agrostis vineale</i>	1	3		3
<i>Molinia caerulea</i>	1	1		
<i>Blechnum spicant</i>	2	4		4
<i>Anemone nemorosa</i>	1	1		1
<i>Viola riviniana</i>	1	4		3
<i>Potentilla erecta</i>	4	4		4
<i>Campanula rotundifolia</i>	1	1		1
<i>Galium saxatile</i>	1	2		1
<i>Hylocomium splendens</i>	6	5		5
<i>Thuidium tamariscinum</i>	2	4		5
<i>Rhytiadelphus loreus</i>	3	3		2
<i>Peurozium schreberi</i>	5	3		
<i>Hypnum jutlandicum</i>	4	2		
<i>Festuca ovina</i>		2		3
<i>Agrostis capillaris</i>	1			3
<i>Vaccinium myrtillus</i>	3			
<i>Trichophorum caespitosum</i>	1			3
<i>Carex binervis</i>	1			
<i>Carex pulicaris</i>		3		3
<i>Polytrichum commune</i>	3			
<i>Scleropodium purum</i>		1		3
<i>Plagiothecium undulatum</i>		2		
<i>Cladonia portentosa</i>	2			
<i>Thymus polytrichus</i>				4
<i>Nardus stricta</i>				2
<i>Danthonia decumbens</i>				1
<i>Carex panicea</i>				1
<i>Luzula multiflora</i>				1
<i>Lathyrus linifolius</i>				1
<i>Taraxacum</i> sp.				1
<i>Oxalis acetosella</i>				1
<i>Succisa pratensis</i>				1
<i>Cirsium heterophyllum</i>				3
<i>Trollius europaeus</i>				1

Additional species outside of quadrat in H10d:

<i>Selaginella selaginoides</i>	<i>Geranium sylvaticum</i>
<i>Linum catharticum</i>	<i>Galium boreale</i>
<i>Geum rivale</i>	

TABLE L.					
H12c dry heath:					
<i>Calluna vulgaris-Vaccinium myrtillus</i> dry heath, <i>Galium saxatile-Festuca ovina</i> sub-community					
Dry, rather grassy heath, with clear patches of grass in places between the shrubs.					
Quad.	GPS ref	elev	gradient	soil depth	Comment
A	NH 34634 / 25206				Mostly on sloping ground on shallow, brown, peaty soils.
B	NH 34512 / 25138				
C	NH 34318 / 24824				
D	NH 34168 / 24665	438m	20° NW	10cm	
E	NH 34138 / 24645	435m	10° NW	10cm	
F	NH 33953 / 24282	441m	level	15cm	

	Species	Cover score by quadrat						Frequency & cover range
		A	B	C	D	E	F	
constant species	<i>Calluna vulgaris</i>	9	8	10	8	6	7	V (6-10)
	<i>Vaccinium myrtillus</i>	1	2	3	4	2	3	V (1-4)
	<i>Festuca ovina</i>	3		3	3	3	2	V (2-3)
	<i>Agrostis capillaris</i>	3	4		4	5	3	V (3-5)
	<i>Agrostis vineale</i>	3	3	3	1	3	4	V (1-4)
	<i>Anthoxanthum odoratum</i>	3	3		1	1		IV (1-3)
	<i>Carex binervis</i>	4	1	1		3	2	V (1-4)
	<i>Potentilla erecta</i>	4	4	4	1	3	3	V (1-4)
	<i>Galium saxatile</i>	3	1	3	3	3	3	V (1-3)
	<i>Hylocomium splendens</i>	5	8	8	4	3	5	V (3-8)
	<i>Thuidium tamariscinum</i>	4	5	8	3	4	1	V (1-8)
	<i>Rhytidiadelphus loreus</i>	3	5	4	1	1	2	V (1-5)
frequent species	<i>Molinia caerulea</i>	1	1	1				III (1)
	<i>Deschampsia flexuosa</i>		1		1		3	III (1-3)
	<i>Anemone nemorosa</i>	1	1			1		III (1)
	<i>Viola riviniana</i>	3	3			3		III (3)
	<i>Blechnum spicant</i>		1	3		2		III (1-3)
	<i>Polytrichum commune</i>			3	3		1	III (1-3)
	<i>Scleropodium purum</i>	1	1			1		III (1)
	<i>Pleurozium schreberi</i>			3	4		3	III (3-4)
occasional species	<i>Erica cinerea</i>		1	1				II (1)
	<i>Nardus stricta</i>	2		1				II (1-2)
	<i>Festuca vivipara</i>		1			1		II (1)
	<i>Carex panicea</i>	2				2		II (2)
	<i>Carex pulicaris</i>	1		1				II (1)
	<i>Alchemilla filicaulis</i>	2	1					II (1-2)
	<i>Lathyrus linifolius</i>	1				1		II (1)
	<i>Oxalis acetosella</i>		3		3			II (3)
	<i>Taraxacum</i> sp.	1	1					II (1)
	<i>Hypnum jutlandicum</i>				2		2	II (2)
scarce species	<i>Festuca rubra</i>		1					I (1)
	<i>Danthonia decumbens</i>	2						I (2)
	<i>Carex pallescens</i>	1						I (1)
	<i>Ranunculus acris</i>	1						I (1)
	<i>Veronica officinalis</i>	1						I (1)
	<i>Campanula rotundifolia</i>					3		I (3)
	<i>Prunella vulgaris</i>	2						I (2)
	<i>Succisa pratensis</i>		1					I (1)
	<i>Plagiothecium undulatum</i>			3				I (3)

TABLE M.

H21a damp heath: <i>Calluna vulgaris-Vaccinium myrtillus-Sphagnum capillifolium</i> heath, <i>Calluna vulgaris-Pteridium aquilinum</i> sub-community				
Damp heath on steep slopes.				
Quad ref.	GPS ref	gradient	Peat depth	Comment
A	NH 34970 / 25577			Samples from two different stands – both steep NW facing slopes below spur plateau.
B	NH 34934 / 25526			
C	NH 34817 / 25525			
D	NH 34730 / 25152			
E	c.NH 34800 / 25250			

	Species	Cover score by quadrat*					Frequency & cover range
		A	B	C	D	E	
constant species	<i>Calluna vulgaris</i>	8	9	9	10	10	V (8-10)
	<i>Vaccinium myrtillus</i>	3	2	3	4	3	V (2-4)
	<i>Sphagnum capillifolium</i>	5	4	4	4	5	V (4-5)
	<i>Sphagnum subnitens</i>	8	8	8	4	5	V (4-8)
	<i>Hylocomium splendens</i>	2	3	6	6	7	V (2-7)
	<i>Pleurozium schreberi</i>	3	3	3	6	2	V (2-6)
	<i>Rhytidiadelphus loreus</i>	2	3	3	3	4	V (2-4)
	<i>Plagiothecium undulatum</i>	2		3	4	4	IV (2-4)
	<i>Potentilla erecta</i>	3	3		3	3	IV (3)
	<i>Listera cordata</i>	1		1	1	2	IV (1-2)
frequent	<i>Trichophorum caespitosum</i>	1	1	1			III (1)
occasional	<i>Vaccinium vitis-idaea</i>	1		1			II (1)
	<i>Empetrum nigrum</i>		1	1			II (1)
	<i>Blechnum spicant</i>	2	4				II (2-4)
	<i>Agrostis vinealis</i>		2			1	II (1-2)
	<i>Hypnum jutlandicum</i>				6	2	II (2-6)
scarce	<i>Erica cinerea</i>		1				I (1)
	<i>Molinia caerulea</i>		1				I (1)
	<i>Deschampsia flexuosa</i>			1			I (1)
	<i>Sorbus aucuparia</i> seedling		1				I (1)
	<i>Poytrichum commune</i>		2				I (2)
	<i>Thuidium tamariscinum</i>		1				I (1)
	<i>Dicranum majus</i>					1	I (1)
	<i>Mnium hornum</i>					1	I (1)

***Cover score:**

1	<4% cover, few individual plants	6	26 – 33% cover
2	<4% cover, several individuals	7	34 – 49% cover
3	<4% cover, many individuals	8	50 – 75% cover
4	5 – 10% cover	9	76 – 90% cover
5	11 – 25% cover	10	91 – 100% cover

TABLE N. Quantification of areas lost by vegetation type (– implies none; I/SI grass = improved and semi-improved grassland)

Veg- etation type	Length of new track	Area lost at 4.5m width	Length of track to be widened	Area lost at 1.5m extra width (0.75 m each side)	Area lost under track straightening & specific widening in RSPB reserve	Area lost under hard- standings & switch gear	Area lost under borrow pits & cuttings	Total area lost
W18c	–	–	880m	1320m ²	650m ²	–	–	1970m ² ; 0.20ha
W11	–	–	140m [^]	105m ²	90 m ²	–	–	205m ² ; 0.02ha
M1/A24	–	–	–	–	–	1 pool	–	minimal
M15a	285m	1282m ²	35m	52m ²	–	1500m ²	–	2834m ² ; 0.28ha
M15b	1740 ^^	7695m ²	1475m	1961m ²	250m ²	2750m ² + 50m ²	2900m ²	15606m ² ; 1.56ha
M15c	260m +420m (by RSPB pit)	1170 m ² 1890 m ²	80m ^	60m ²	–	–	1750m ²	4870m ² ; 0.49ha
M16d	470m	2115m ²	–	–	–	250m ²	–	2365m ² ; 0.24ha
M17a	20m	90m ²	–	–	–	–	–	90m ² ; 0.01ha
M17b	115m	518m ²	–	–	–	500m ²	–	1018m ² ; 0.10ha
M19a	140m	630m ²	–	–	250m ²	–	–	880m ² ; 0.09ha
H10a	55m	248m ²	500m ^^	649m ²	250m ²	–	–	1147m ² ; 0.11ha
H12	90m *	248m ²	360m**	435m ²	160m ²	–	900m ²	1743m ² ; 0.17ha
H16	c.10m	45m ²	–	–	–	avoidable?	–	45m ² ; 0.005ha
U4a	50m	202m ²	970m***	1204m ²	250m ²	–	–	1656m ² ; 0.17ha
I/SI grass	680m	3060m ²	1760m	2640m ²	500m ²	–	3000m ²	9200m ² ; 0.92ha
U20	–	–	215m [^]	161m ²	–	–	–	161m ² ; 0.02ha
TOTAL								4.38ha

Table N. – Assumptions:

- Two upper track borrow pits at 1000m², of which one is wholly on M15b, one is on M15b but includes 300m² of H12
- Borrowed section along track above RSPB of 260m on M15c @ 2m extra trackside width = 520m²
- three lower track borrow pits - one of 2000m² and one of 1000m² are wholly on improved grassland; third of up to 1000m² is wholly on M15c (as described for the RSPB borrow pit in their NVC survey),
- track widening along first stretch through pinewood at 200m x 2m = 400m²
- track straightening at five known bends – each at an average of 50m x 5m = 250m². – one in W18c, one in M19, one in M15b, one in H10 and one through W11 and H12 in the approximate proportion 1:2
- three further corners to straighten, two on I/SI and one on U4a at bottom of hill – each of these also at 250m².
- 420m of M15c across RSPB borrow pit taken to be **new** road

^ on one side only for all of this length

^^ includes 60m on one side only (other side H12)

^^^ includes 135m on one side only (other side U20)

* includes 70m on one side only (other side with U4 and M15b)

** includes 140m from one side only

*** includes 335m on one side only (W side upper track); **NB** assumes loss further up must be on E side and all from M15b, because of burn to W

TABLE O. *Quantification of areas of regained by vegetation type (– implies none; I/SI grass = improved and semi-improved grassland)*

Vegetation type	Length of track sides to be reinstated	Area regained at 1.5m width	Length of redundant track to be reinstated	Area regained at 3m width	Area regained on hard-standings	Area regained on borrow pits & cuttings	Total area regained from reinstatement
W18	880m	1320m ²	–	–	–	–	1320m ² ; 0.13ha
M17/19	–	–	250m	750m ²	–	2000m ²	2750m ² ; 0.27ha
H10/12	820m	1230m ²	–	–	3500m ²	2700m ²	7430m ² ; 0.74ha
U4	580m	870m ²	–	–	–	–	870m ² ; 0.09ha
I/SI	–	–	–	–	–	3000m ²	3000m ² ; 0.30ha
TOTAL							1.53ha

Assumptions:

- Two upper track borrow pits at 1000m² to be reinstated as deep peat bog (M17/M19)
- Borrowed section along track above RSPB (260m on M15c @ 2m) reinstated as 520m² of H10/H12
- Borrow pit in RSPB reserve reinstated as H10/H12

Wet and dry heath tracksides in the RSPB reserve will reinstate to dry heath.

No reinstatement on widened tracksides beyond RSPB reserve.

TABLE P. *Quantification of disturbed areas by vegetation type (not including improved grassland)*

Vegetation type	Widened trackside length (single side)	Widened trackside area disturbed out to 2m	New trackside length (single side)	New trackside disturbed out to 2m or 10m	Hard-standing edge	Hard-standing disturbed out to 2m or 10m	Compound area	Cable length	Cable area – at 5m working corridor	Total
W18c	1760m	3520m ²	–	–	–	–	–	–	–	3520m ² ; 0.35ha
W11	140m	280m ²	–	–	–	–	–	704m	3520m ²	3800m ² ; 0.38ha
conifer plantn	–	–	–	–	–	–	–	50m	250m ²	250m ² ; 0.02ha
distb'd FC	–	–	–	–	–	–	–	238m	1188m ²	1188m ² ; 0.12ha
M6a	–	–	–	–	–	–	–	113m	564m ²	564m ² ; 0.06ha
M10	–	–	–	–	–	–	–	5m	25m ²	25m ² ; 0.002ha
M15a	70m	140m ²	570m	1140m ²	207m	414m ²	–	401m	2005m ²	3699m ² ; 0.37ha
M15b	1475m	2950m ²	3420m	6840m ²	380m	760m ²	2500m ²	837m	4185m ²	17235m ² ; 1.72ha
M15c	80m	160m ²	1360m	2720m ²	–	–	–	1204m	6020m ²	8900m ² ; 0.89ha
M16d	–	–	940m	1880m ²	18m	36m ²	–	–	–	1916m ² ; 0.19ha
M17a	–	–	40m	400m ²	–	–	–	488m	2417m ²	2457m ² ; 0.25ha
M17b	–	–	230m	2300m ²	85m	850m ²	–	–	–	3150m ² ; 0.32ha
M18a	–	–	–	–	–	–	–	307m	1533m ²	1533m ² ; 0.15ha
M19a	–	–	280m	2800m ²	–	–	–	172m	860m ²	3660m ² ; 0.37ha
M25	–	–	–	–	–	–	–	409m	2043m ²	2043m ² ; 0.20ha
H10	865m	1730m ²	110m	220m ²	–	–	–	441m	2203m ²	4153m ² ; 0.42ha
H12	580m	1160m ²	110m	220m ²	–	–	–	1114m	5570m ²	6950m ² ; 0.70ha
H16	–	–	20m	40m ²	18m	36m ²	–	5m	25m ²	101m ² ; 0.01ha
U4a/b	1605m	3210m ²	50m	100m ²	–	–	–	104m	520m ²	3383m ² ; 0.38ha
U20	215m	430m ²	–	–	–	–	–	171m	855m ²	1285m ² ; 0.13ha
TOTAL										7.03ha

TABLE Q.

Scientific name	English name	Outside survey area
<i>Achillea millefolium</i>	Yarrow	
<i>Achillea ptarmica</i>	Sneezewort	
<i>Agrostis capillaris</i>	Common Bent	
<i>Agrostis vinealis</i>	Brown Bent	
<i>Aira praecox</i>	Early Hair-grass	
<i>Ajuga reptans</i>	Common Bugle	*
<i>Alchemilla filicaulis</i>	a Lady's-mantle	
<i>Alnus glutinosa</i>	Alder	
<i>Anemone nemorosa</i>	Wood Anemone	
<i>Antennaria dioica</i>	Mountain Everlasting	
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	
<i>Arctostaphylos alpinus</i>	Alpine Bearberry	
<i>Arctostaphylos uva-ursi</i>	Bearberry	
<i>Betula nana</i>	Dwarf Birch	
<i>Betula pendula</i>	Silver Birch	
<i>Betula pubescens</i>	Downy Birch	
<i>Blechnum spicant</i>	Hard Fern	
<i>Botrychium lunaria</i>	Moonwort	*
<i>Calluna vulgaris</i>	Heather	
<i>Campanula rotundifolia</i>	Harebell	
<i>Cardamine pratensis</i>	Lady's-smock	
<i>Carex binervis</i>	Green-ribbed Sedge	
<i>Carex dioica</i>	Dioecious Sedge	
<i>Carex echinata</i>	Star Sedge	
<i>Carex flacca</i>	Glaucous Sedge	
<i>Carex hostiana</i>	Tawny Sedge	
<i>Carex lasiocarpa</i>	Slender Sedge	
<i>Carex nigra</i>	Common Sedge	
<i>Carex pallescens</i>	Pale Sedge	
<i>Carex panicea</i>	Carnation Sedge	
<i>Carex pauciflora</i>	Few-flowered Sedge	
<i>Carex pulicaris</i>	Flea Sedge	
<i>Carex rostrata</i>	Bottle Sedge	
<i>Carex viridula oedocarpa</i>	Common Yellow Sedge	
<i>Cerastium fontanum</i>	Common Mouse-ear	
<i>Cirsium heterophyllum</i>	Melancholy Thistle	
<i>Cirsium palustre</i>	Marsh Thistle	
<i>Cynosurus cristatus</i>	Crested Dog's-tail	
<i>Dactylorhiza maculata</i>	Heath Spotted Orchid	
<i>Dactylorhiza purpurella</i>	Northern Marsh Orchid	
<i>Danthonia decumbens</i>	Heath Grass	
<i>Deschampsia caespitosa</i>	Tufted Hair-grass	
<i>Deschampsia flexuosa</i>	Wavy Hair-grass	
<i>Digitalis purpurea</i>	Foxglove	

TABLE Q. (continuation)

Scientific name	English name	Outside survey area
<i>Diphasiastrum alpinum</i>	Alpine Clubmoss	
<i>Drosera anglica</i>	Long-leaved Sundew	
<i>Drosera rotundifolia</i>	Round-leaved Sundew	
<i>Dryopteris filix-mas</i>	Male Fern	
<i>Eleocharis multicaulis</i>	Many-stemmed Spike-rush	
<i>Eleocharis quinqueflora</i>	Few-flowered Spike-rush	
<i>Empetrum nigrum</i>	Crowberry	
<i>Epilobium palustre</i>	Marsh Willowherb	
<i>Equisetum fluviatile</i>	Water Horsetail	
<i>Equisetum sylvaticum</i>	Wood Horsetail	
<i>Erica cinerea</i>	Bell Heather	
<i>Erica tetralix</i>	Cross-leaved Heath	
<i>Eriophorum angustifolium</i>	Common Cottongrass	
<i>Eriophorum latifolium</i>	Broad-leaved Cottongrass	
<i>Eriophorum vaginatum</i>	Hare's-tail Cottongrass	
<i>Euphrasia officinalis</i> agg.	Eyebright	
<i>Festuca ovina</i> agg.	Sheep's Fescue	
<i>Festuca rubra</i>	Red Fescue	
<i>Festuca vivipara</i>	Viviparous Fescue	
<i>Filipendula ulmaria</i>	Meadowsweet	
<i>Galium boreale</i>	Northern Bedstraw	
<i>Galium palustre</i>	Marsh Bedstraw	
<i>Galium saxatile</i>	Heath Bedstraw	
<i>Galium verum</i>	Lady's Bedstraw	
<i>Genista anglica</i>	Petty Whin	
<i>Geranium sylvaticum</i>	Wood Cranesbill	
<i>Geum rivale</i>	Water Avens	
<i>Glyceria fluitans</i>	Floating Sweet-grass	
<i>Gymnadenia conopsea</i> agg.	Fragrant Orchid	
<i>Helictotrichon pubescens</i>	Downy Oat-grass	
<i>Hieracium</i> sp.	Hawkweed	
<i>Holcus lanatus</i>	Yorkshire-fog	
<i>Holcus mollis</i>	Creeping Soft-grass	
<i>Huperzia selago</i>	Fir Clubmoss	
<i>Hypericum pulchrum</i>	Slender St. John's-wort	
<i>Hypochaeris radicata</i>	Cat's-ear	
<i>Juncus articulatus</i>	Jointed Rush	
<i>Juncus bufonius</i>	Toad Rush	
<i>Juncus bulbosus</i>	Bulbous Rush	
<i>Juncus effusus</i>	Soft Rush	
<i>Juncus squarrosus</i>	Heath Rush	
<i>Juniperus communis</i>	Juniper	
<i>Larix</i> sp.	Larch	
<i>Lathyrus linifolius</i>	Bitter-vetch	
<i>Leontodon autumnalis</i>	Autumn Hawkbit	

TABLE Q. (continuation)

Scientific name	English name	Outside survey area
<i>Linum catharticum</i>	Fairy-flax	
<i>Listera cordata</i>	Lesser Twayblade	
<i>Lotus corniculatus</i>	Bird's-foot Trefoil	
<i>Lotus pedunculatus</i>	Greater Bird's-foot Trefoil	
<i>Luzula multiflora</i>	Heath Woodrush	
<i>Luzula pilosa</i>	Hairy Woodrush	
<i>Lychnis flos-cuculi</i>	Ragged-robin	
<i>Lycopodium annotinum</i>	Interrupted Clubmoss	
<i>Lycopodium clavatum</i>	Stag's-horn Clubmoss	
<i>Lysimachia nemorum</i>	Yellow Pimpernel	
<i>Melampyrum pratense</i>	Common Cow-wheat	
<i>Menyanthes trifoliata</i>	Bog-bean	
<i>Molinia caerulea</i>	Purple Moor-grass	
<i>Myrica gale</i>	Bog-myrtle	
<i>Nardus stricta</i>	Mat-grass	
<i>Narthecium ossifragum</i>	Bog Asphodel	
<i>Neottia nidus-avis</i>	Bird's-nest Orchid	*
<i>Oreopteris limbosperma</i>	Lemon-scented Fern	
<i>Orthilia secunda</i>	Serrated Wintergreen	
<i>Pedicularis sylvatica</i>	Lousewort	
<i>Persicaria vivipara</i>	Alpine Bistort	
<i>Phragmites australis</i>	Common Reed	
<i>Picea sp.</i>	Spruce	
<i>Pilosella officinarum</i>	Mouse-ear Hawkweed	
<i>Pinguicula vulgaris</i>	Common Butterwort	
<i>Pinus sylvestris</i>	Scots Pine	
<i>Plantago lanceolata</i>	Ribwort Plantain	
<i>Poa annua</i>	Annual Meadow-grass	
<i>Poa humilis</i>	Spreading Meadow-grass	
<i>Poa trivialis</i>	Rough Meadow-grass	
<i>Polygala serpyllifolia</i>	Heath Milkwort	
<i>Polypodium sp.</i>	Polypody	
<i>Populus tremula</i>	Aspen	*
<i>Potamogeton natans</i>	Broad-leaved Pondweed	
<i>Potamogeton polygonifolius</i>	Bog Pondweed	
<i>Potentilla erecta</i>	Tormentil	
<i>Prunella vulgaris</i>	Self-heal	
<i>Pteridium aquilinum</i>	Bracken	
<i>Pyrola media</i>	Intermediate Wintergreen	
<i>Ranunculus acris</i>	Meadow Buttercup	
<i>Ranunculus flammula</i>	Lesser Spearwort	
<i>Ranunculus repens</i>	Creeping Buttercup	
<i>Rhinanthus minor</i>	Yellow Rattle	
<i>Rubus chamaemorus</i>	Cloudberry	*
<i>Rubus saxatilis</i>	Stone Bramble	*

TABLE Q. (continuation)

Scientific name	English name	Outside survey area
<i>Rumex acetosa</i>	Common Sorrel	
<i>Rumex acetosella</i>	Sheep's Sorrel	
<i>Salix aurita</i>	Eared Willow	
<i>Salix cinerea</i>	Grey Willow	
<i>Saxifraga aizoides</i>	Yellow Saxifrage	
<i>Schoenus nigricans</i>	Black Bog-rush	
<i>Selaginella selaginoides</i>	Lesser Clubmoss	
<i>Solidago virgaurea</i>	Goldenrod	
<i>Sorbus aucuparia</i>	Rowan	
<i>Sparganium erectum</i>	Branched Bur-reed	
<i>Stellaria graminea</i>	Lesser Stitchwort	
<i>Succisa pratensis</i>	Devil's-bit Scabious	
<i>Taraxacum sp.</i>	Dandelion	
<i>Teucrium scorodinia</i>	Wood-sage	
<i>Thalictrum alpinum</i>	Alpine Meadow-rue	
<i>Thymus polytrichus</i>	Wild Thyme	
<i>Tofieldia pusilla</i>	Scottish Asphodel	
<i>Trichophorum caespitosum</i>	Deergrass	
<i>Trientalis europaea</i>	Chickweed Wintergreen	
<i>Trifolium repens</i>	White Clover	
<i>Triglochin palustre</i>	Marsh Arrow-grass	
<i>Trollius europaeus</i>	Globeflower	
<i>Ulex europaeus</i>	Gorse	
<i>Urtica dioica</i>	Nettle	
<i>Utricularia sp.</i>	Bladderwort	
<i>Vaccinium myrtillus</i>	Bilberry	
<i>Vaccinium vitis-idaea</i>	Cowberry	
<i>Veronica officinalis</i>	Heath Speedwell	
<i>Viola palustre</i>	Marsh Violet	
<i>Viola riviniana</i>	Common Dog-violet	

TABLE R.

MOSSES

Scientific name
<i>Aulacomnium palustre</i>
<i>Breutelia chrysocoma</i>
<i>Bryum psuedotriquetrum</i>
<i>Calliergonella cuspidatum</i>
<i>Campylium stellatum</i>
<i>Campylopus atrovirens</i>
<i>Ctenidium molluscum</i>
<i>Dicranella palustris</i>
<i>Dicranum majus</i>
<i>Dicranum scoparium</i>
<i>Drepanocladus revolvens</i>
<i>Hylocomium splendens</i>
<i>Hypnum jutlandicum</i>
<i>Mnium hornum</i>
<i>Philonotis fontana</i>
<i>Plagiothecium undulatum</i>
<i>Pleurozium schreberi</i>
<i>Polytrichum commune</i>
<i>Polytrichum formosum</i>
<i>Ptilium crista-castrensis</i>
<i>Racomitrium lanuginosum</i>
<i>Rhytidiadelphus loreus</i>
<i>Rhytidiadelphus squarrosus</i>
<i>Rhytidiadelphus triquetrus</i>
<i>Scleropodium purum</i>
<i>Scorpidium scorpioides</i>
<i>Sphagnum austinii</i>
<i>Sphagnum capillifolium</i>
<i>Sphagnum compactum</i>
<i>Sphagnum cuspidatum</i>
<i>Sphagnum denticulatum</i>
<i>Sphagnum fuscum</i>
<i>Sphagnum inundatum</i>
<i>Sphagnum magellanicum</i>
<i>Sphagnum palustre</i>
<i>Sphagnum papillosum</i>
<i>Sphagnum subnitens</i>
<i>Sphagnum tenellum</i>
<i>Thuidium tamariscinum</i>

LIVERWORTS

Scientific name
<i>Calyptogeia sp.</i>
<i>Diplophyllum albicans</i>
<i>Mylia anomala</i>
<i>Mylia taylorii</i>
<i>Odontoschisma sphagni</i>
<i>Pleurozia purpurea</i>
<i>Scapania undulata</i>

LICHENS

Scientific name
<i>Cladonia arbuscula</i>
<i>Cladonia ciliata</i>
<i>Cladonia macrophylla</i>
<i>Cladonia portentosa</i>
<i>Cladonia rangiferina</i>
<i>Cladonia uncialis</i>