

ANNEX 1:
NVC plant communities and dependency on groundwater
(table updated 5 October 2009)

NVC Community	NVC Community Name	Country Occurrence	UK GW Dependency Score (Most sensitive GW dependency score noted (* = may vary for different countries))	Scotland GW Dependency Score	England and Wales GW Dependency Score (May vary for different hydroecological settings - noted in brackets)
M1	<i>Sphagnum auriculatum</i> bog-pool community		3*	3	3 (2)
M2	<i>Sphagnum cuspidatum/recurvum</i> bog pool community		3*	3	3 (2)
M3	<i>Eriophorum angustifolium</i> bog-pool community		3*	3	3 (2)
M4	<i>Carex rostrata</i> - <i>Sphagnum recurvum</i> mire		2*	2	3 (2)
M5	<i>Carex rostrata</i> - <i>Sphagnum squarrosum</i> mire		1	1	1 (2)
M6	<i>Carex echinata</i> - <i>Sphagnum recurvum</i> mire		1*	1	2 (1)
M7	<i>Carex curta</i> - <i>Sphagnum russowii</i> mire		1	1	1
M8	<i>Carex rostrata</i> - <i>Sphagnum warnstorffii</i> mire		1	1	1
M9	<i>Carex rostrata</i> - <i>Calliergon cuspidatum/C.giganteum</i> mire		1	1	1
M10	<i>Carex dioica</i> - <i>Pinguicula vulgaris</i> mire		1	1	1
M11	<i>Carex demissa</i> - <i>Saxifraga aizoides</i> mire		1	1	1
M12	<i>Carex saxatilis</i> mire		1	1	1
M13	<i>Schoenus nigricans</i> - <i>Juncus subnodulosus</i> mire		1	1	1
M14	<i>Schoenus nigricans</i> - <i>Narthecium ossifragum</i>		1	1	1
M15	<i>Scirpus cespitosus</i> - <i>Erica tetralix</i> wet heath		2	2	2 (1)
M16	<i>Erica tetralix</i> - <i>Sphagnum compactum</i> wet heath		1*	2	1 (2)
M17	<i>Scirpus cespitosus</i> - <i>Eriophorum vaginatum</i> blanket mire		3	3	3 (2)
M18	<i>Erica tetralix</i> - <i>Sphagnum papillosum</i> raised and blanket mire		3	3	3 (2)
M19	<i>Calluna vulgaris</i> - <i>Eriophorum vaginatum</i> blanket mire		3	3	3 (2)
M20	<i>Eriophorum vaginatum</i> blanket and raised mire		3	3	3 (2)
M21	<i>Narthecium ossifragum</i> - <i>Sphagnum papillosum</i> valley mire		1*	2	1 (2)
M22	<i>Juncus subnodulosus</i> - <i>Cirsium palustre</i> fen meadow		1*	2	1

M23	<i>Juncus effusus/acutiflorus</i> - <i>Galium palustre</i> rush-pasture		1*	2	1 (2)
M24	<i>Molinia caeruleae</i> - <i>Cirsium dissectum</i> fen meadow		1*	2	1
M25	<i>Molinia caerulea</i> - <i>Potentilla erecta</i> mire		2*	3	2 (3)
M26	<i>Molinia caerulea</i> - <i>Crepis paludosa</i> mire		2	2	2 (3)
M27	<i>Filipendula ulmaria</i> - <i>Angelica sylvestris</i> mire		2	2	2 (3)
M28	<i>Iris Pseudacorus</i> - <i>Filipendula ulmaria</i> mire		2	2	2 (3)
M29	<i>Hypericum elodes</i> - <i>Potamogeton polygonifolius</i> soakway		1	1	1 (2)
M30	<i>Hydrocotylo</i> - <i>Baldellion</i>		2	2	2
M31	<i>Anthelia julacea</i> - <i>Sphagnum auriculatum</i> spring		1	1	1
M32	<i>Philonotis fontana</i> - <i>Saxifraga stellaris</i> spring		1	1	1
M33	<i>Pohlia wahlenbergii</i> var. <i>glacialis</i> spring		1	1	1
M34	<i>Carex demissa</i> - <i>Koenigia islandica</i> flush		1	1	1
M35	<i>Ranunculus omiophyllus</i> - <i>Montia fontana</i> rill		1	1	1
M36	Lowland springs and streambanks of shaded situations		1	1	1
M37	<i>Cratoneuron commutatum</i> springs		1	1	1
M38	<i>Cratoneuron commutatum</i> springs		1	1	1
S1	<i>Carex elata</i> sedge-swamp	E&W only - Not in Scotland	2*		2 (1)
S2	<i>Cladium mariscus</i> swamp and sedge beds		2	2	2 (1)
S3	<i>Carex paniculata</i> sedge swamp		2*	2	3
S4	<i>Phragmites australis</i> swamp		3	3	3
S5	<i>Glyceria maxima</i> swamp		3	3	3
S6	<i>Carex riparia</i> swamp		3	3	3
S7	<i>Carex acutiformis</i> swamp		2	2	2
S8	<i>Scirpus lacustris</i> swamp		3	3	3
S9	<i>Carex rostrata</i> swamp		3	3	3
S10	<i>Equisetum fluviatile</i> swamp		3	3	3
S11	<i>Carex vesicaria</i> swamp		1*	2	1
S12	<i>Typha latifolia</i> swamp		3	3	3

S13	<i>Typha angustifolia</i> swamp		3	3	3
S14	<i>Sparganium erectum</i> swamp		3	3	3
S15	<i>Acorus calamus</i> swamp	E&W only - Not in Scotland	3*		3
S16	<i>Sagittaria sagittifolia</i> swamp	E&W only - Not in Scotland	3*		3
S17	<i>Carex pseudocyperus</i> swamp		3	3	3
S18	<i>Carex otrubae</i> swamp		3	3	3
S19	<i>Eleocharis palustris</i> swamp		3	3	3
S20	<i>Scirpus lacustris/tabernaemontani</i> swamp		3	3	3
S21	<i>Scirpus maritimus</i> swamp		3	3	3
S22	<i>Glyceria fluitans</i> water margin vegetation		3	3	3
S23	<i>Glycerio - Sparganion</i> water margin vegetation		3	3	3
S24	<i>Phragmites australis - Peucedanum palustre</i> tall-herb fen		1*	1	2 (3)
S25	<i>Phragmites australis - Eupatorium cannabinum</i> tall-herb fen		2	2	2 (1)
S26	<i>Phragmites australis - Urtica dioica</i> tall-herb fen		3	3	3 (2)
S27	<i>Carex rostrata - Potentilla palustris</i> tall-herb fen		2*	3	2 (3)
S28	<i>Phalaris arundinacea</i> tall-herb fen		3	3	3
MG3	<i>Anthoxanthum odoratum - Geranium sylvaticum</i> grassland	Scotland only - Not in E&W	3*	3	
MG4	<i>Alopecurus pratensis - Sanguisorba officinalis</i>	E&W only - Not in Scotland	2*		2
MG5	<i>Cynosurus cristatus - Centaurea nigra</i> grassland		3	3	3 (2)
MG8	<i>Cynosurus cristatus - Caltha palustris</i> lowland neutral grassland		2*	2	3 (2)
MG9	<i>Holcus lanatus - Deschampsia cespitosa</i> grassland	Scotland only - Not in E&W	2*	2	
MG10	<i>Holcus lanatus - Juncus effusus</i> rush-pasture	Scotland only - Not in E&W	2*	2	
MG11	Inland wet grassland, <i>Festuca rubra-Agrostis stolonifera-Potentilla anserina</i> grassland		2	2	2 (3)
MG13	Inland wet grassland, <i>Agrostis stolonifera-Alopecurus geniculatus</i> grassland,		3	3	3 (2)
W1	<i>Salix cinerea - Galium palustre</i> woodland		2	2	2
W2	<i>Salix cinerea - Betula pubescens - Phragmites australis</i> woodland		2	2	2
W3	<i>Salix pentandra - Carex rostrata</i> woodland		2	2	2

W4	<i>Betula pubescens</i> - <i>Molinia caerulea</i> woodland		1	1	1 (2)
W5	<i>Alnus glutinosa</i> - <i>Carex paniculata</i> woodland		2	2	2 (1)
W6	<i>Alnus glutinosa</i> - <i>Urtica dioica</i> woodland		2*	2	3
W7	Residual alluvial forests (<i>Alnus glutinoso-incanae</i>)		1*	1	2 (1)
W20	<i>Salix lapponum</i> – <i>Luzula sylvatica</i> scrub		1	1	1
CG6	Dry grassland/scrub transitions (MG1 related, CG2 related)	E&W only - Not in Scotland	1*		1 (2)
CG8	<i>Sesleria albicans</i> - <i>Scabiosa columbaria</i> lowland calcareous grassland	E&W only - Not in Scotland	3*		3
CG9	<i>Sesleria albicans</i> - <i>Galium sternerii</i> lowland/upland calcareous grassland	E&W only - Not in Scotland	1*		1 (2)
CG10	<i>Festuca ovina</i> – <i>Agrostis capillaris</i> – <i>Thymus praecox</i> grassland (when not on limestone)		1*	2	1
CG11	<i>Festuca ovina</i> - <i>Agrostis capillaris</i> - <i>Alchemilla alpina</i> grassland (when not on limestone)		1	1	1
CG12	<i>Festuca ovina</i> – <i>Alchemilla alpina</i> – <i>Silene acaulis</i> dwarf-herb community		1	1	1
CG13	<i>Dryas octopetala</i> - <i>Carex flacca</i> heath	Scotland only - Not in E&W	3*	3	
CG14	<i>Dryas octopetala</i> - <i>Silene acaulis</i> ledge	Scotland only - Not in E&W	3*	3	
H3	<i>Ulex minor</i> - <i>Agrostis curtisii</i> heath; <i>Ulex minor</i> - <i>Agrostis curtisii</i> heath with <i>Erica ciliaris</i>	E&W only - Not in Scotland	3*		3 (2)
H4	<i>Ulex gallii</i> – <i>Agrostis curtisii</i> heath; <i>Ulex gallii</i> - <i>Agrostis curtisii</i> heath with <i>Erica ciliaris</i>	E&W only - Not in Scotland	3*		3 (2)
H5	<i>Erica vagans</i> – <i>Agrostis curtisii</i> heath; <i>Erica vagans</i> – <i>Schoenus nigricans</i> heath	E&W only - Not in Scotland	3*		3 (2)
H8	<i>Calluna vulgaris</i> - <i>Ulex gallii</i> heath	Scotland only - Not in E&W	3*	3	
H9	<i>Calluna vulgaris</i> - <i>Deschampsia flexuosa</i> heath	Scotland only - Not in E&W	3*	3	
H10	<i>Calluna vulgaris</i> - <i>Erica cinerea</i> heath	Scotland only - Not in E&W	3*	3	
H12	<i>Calluna vulgaris</i> - <i>Vaccinium myrtillus</i> heath	Scotland only - Not in E&W	3*	3	
H13	<i>Calluna vulgaris</i> - <i>Cladonia arbuscula</i> heath	Scotland only - Not in E&W	3*	3	
H14	<i>Calluna vulgaris</i> - <i>Racomitrium lanuginosum</i> heath	Scotland only - Not in E&W	3*	3	
H15	<i>Calluna vulgaris</i> - <i>Juniperus communis</i> ssp. <i>nana</i> heath	Scotland only - Not in E&W	3*	3	

H16	<i>Calluna vulgaris</i> - <i>Arctostaphylos uva-ursi</i>	Scotland only - Not in E&W	3*	3	
H17	<i>Calluna vulgaris</i> - <i>Arctostaphylos alpinus</i>	Scotland only - Not in E&W	3*	3	
H19	<i>Vaccinium myrtillus</i> - <i>Cladonia arbuscula</i>	Scotland only - Not in E&W	3*	3	
H20	<i>Vaccinium myrtillus</i> - <i>Racomitrium lanuginosum</i>	Scotland only - Not in E&W	3*	3	
H21	<i>Calluna vulgaris</i> - <i>Vaccinium myrtillus</i> - <i>Sphagnum capillifolium</i>	Scotland only - Not in E&W	3*	3	
H22	<i>Vaccinium myrtillus</i> - <i>Rubus chamaemorus</i>	Scotland only - Not in E&W	3*	3	
U1	<i>Festuca ovina</i> - <i>Agrostis capillaris</i> - <i>Rumex acetosella</i> grassland	Scotland only - Not in E&W	3*	3	
U2	<i>Deschampsia flexuosa</i> grassland	Scotland only - Not in E&W	3*	3	
U3	<i>Agrostis curtisii</i> lowland acid grassland	E&W only - Not in Scotland	3*		3
U4	<i>Festuca ovina</i> - <i>Agrostis capillaris</i> - <i>Galium saxatile</i> grassland	Scotland only - Not in E&W	3*	3	
U5	<i>Nardus stricta</i> - <i>Galium saxatile</i> grassland	Scotland only - Not in E&W	3*	3	
U6	<i>Juncus squarrosus</i> - <i>Festuca ovina</i> grassland		2	2	2 (1)
U7	<i>Nardus stricta</i> - <i>Carex bigelowii</i> grass- heath	Scotland only - Not in E&W	3*	3	
U8	<i>Carex bigelowii</i> - <i>Polytrichum alpinum</i> sedge-heath	Scotland only - Not in E&W	3*	3	
U9	<i>Juncus trifidus</i> - <i>Racomitrium lanuginosum</i> rush-heath	Scotland only - Not in E&W	3*	3	
U10	<i>Carex bigelowii</i> - <i>Racomitrium lanuginosum</i> moss-heath	Scotland only - Not in E&W	3*	3	
U11	<i>Polytrichum sexangulare</i> - <i>Kiaeria starkei</i> snow-bed	Scotland only - Not in E&W	3*	3	
U12	<i>Salix herbacea</i> - <i>Racomitrium heterostichum</i> snow-bed	Scotland only - Not in E&W	3*	3	
U13	<i>Deschampsia cespitosa</i> - <i>Galium saxatile</i> grassland	Scotland only - Not in E&W	3*	3	
U14	<i>Alchemilla alpina</i> - <i>Sibbaldia procumbens</i> dwarf-herb	Scotland only - Not in E&W	3*	3	
U15	<i>Saxifraga aizoides</i> – <i>Alchemilla glabra</i>		1	1	1
U16	<i>Luzula sylvatica</i> – <i>Vaccinium myrtillus</i> tall herb community		1	1	1
U17	<i>Luzula sylvatica</i> – <i>Geum rivale</i> tall herb community		1	1	1
U18	<i>Cryptogramma crispera</i> - <i>Athyrium distentifolium</i> snow-bed	Scotland only - Not in E&W	3*	3	
U19	<i>Thelypteris limbosperma</i> - <i>Blechnum spicant</i>	Scotland only - Not in E&W	3*	3	

U20	<i>Pteridium aquilinum</i> - <i>Galium saxatile</i>	Scotland only - Not in E&W	3*	3	
U21	<i>Cryptogramma crista</i> - <i>Deschampsia flexuosa</i>	Scotland only - Not in E&W	3*	3	
SD13	<i>Salix repens</i> - <i>Bryum pseudotriquetrum</i> dune-slack community		1	1	1
SD14	<i>Salix repens</i> - <i>Campylium stellatum</i> dune-slack community		1	1	1
SD15	<i>Salix repens</i> - <i>Calliergon cuspidatum</i> dune-slack community		1	1	1
SD16	<i>Salix repens</i> - <i>Holcus Lanatus</i> dune slack community		1	1	1
SD17	<i>Potentilla anserina</i> - <i>Carex nigra</i> dune-slack community		1	1	1