

NVC Community	NVC Community Name	Country Occurrence	UK GW Dependency Score (Maximum GW dependency score noted (* = may vary for different countries))	Scotland GW Dependency Score	SNH Comments	England and Wales GW Dependency Score (Natural England)	Natural England Comments
M1	<i>Sphagnum auriculatum</i> bog-pool community		3*	3	This is a very surface water dependant community on extensive peatlands, it will even survive between surface drains, so damage is very unlikely from underdrainage	3 (2)	Only gw dependent where peat rests on gw bearing strata; underdrainage can damage peat-body and thus make gw dependent (e.g. damage due to gw body)
M2	<i>Sphagnum cuspidatum/recurvum</i> bog pool community		3*	3	This is a very surface water dependant community on extensive peatlands, it will even survive between surface drains, so damage is very unlikely from underdrainage	3 (2)	Only gw dependent where peat rests on gw bearing strata; underdrainage can damage peat-body and thus make gw dependent (e.g. damage due to gw body)
M3	<i>Eriophorum angustifolium</i> bog-pool community		3*	3	This is a very surface water dependant community on extensive peatlands, it will even survive between surface drains, so damage is very unlikely from underdrainage	3 (2)	Only gw dependent where peat rests on gw bearing strata; underdrainage can damage peat-body and thus make gw dependent (e.g. damage due to gw body); Ombrogenous/ topogenous, eroded mire
M4	<i>Carex rostrata - Sphagnum recurvum</i> mire		3*	2		3 (2)	Groundwater dependent where the peat mass rests on a gw body and depend on the inflow of lateral gw topogenous / soligenous
M5	<i>Carex rostrata - Sphagnum squarrosum</i> mire		1	1		1 (2)	Groundwater dependent where the peat mass rests on a gw body and depend on the inflow of lateral gw topogenous / soligenous
M6	<i>Carex echinata - Sphagnum recurvum</i> mire		2*	1	This community could have a high ground water dependency from superficial aquifers particularly on hillside flushes	2 (1)	soligenous
M7	<i>Carex curta - Sphagnum russowii</i> mire		1	1		1	flushes in peaty soils
M8	<i>Carex rostrata - Sphagnum warnstorffii</i> mire		1	1	Peat usually 1 metre deep with moderately base rich water from aquifer	1	raw peat with drainage from..
M9	<i>Carex rostrata - Calliargon cuspidatum/C.giganteum</i> mire		1	1	spring fed base rich water that seeps through peat	1	
M10	<i>Carex dioica - Pinguicula vulgaris</i> mire		1	1		1	Soligenous mire with base-rich water; spring heads, laggs and flushes
M13	<i>Schoenus nigricans - Juncus subnodulosus</i> mire		1	1		1	Soligenous, below springs and seepage lines, valley mire

M14	<i>Schoenus nigricans</i> - <i>Narthecium ossifragum</i>		1	1	1	1	1	Soligenous, flushes,
M15	<i>Scirpus cespitosus</i> - <i>Erica tetralix</i> wet heath		2	2	2	2	2 (1)	peats, - continually wet conditions some with impeded drainage; Groundwater dependent where the peat mass rests on a gw body and dependent on the inflow of lateral gw; EN wet heath: intermittent seepages
M16	<i>Erica tetralix</i> - <i>Sphagnum compactum</i> wet heath		2*	2	2	2	1 (2)	mineral soils / shallow peats, at least seasonally waterlogged Valley mires maintained by locally high groundwater
M17	<i>Scirpus cespitosus</i> - <i>Eriophorum vaginatum</i> blanket mire		3	3	3	3	3 (2)	Ombrogenous; Only gw dependent where peat rests on gw bearing strata; underdrainage can damage peat-body and thus make gw dependent (e.g. damage due to gw body)
M18	<i>Erica tetralix</i> - <i>Sphagnum papillosum</i> raised and blanket mire		3	3	3	3	3 (2)	Ombrogenous, including N2K woodland; Only gw dependent where peat rests on gw bearing strata; underdrainage can damage peat-body and thus make gw dependent (e.g. damage due to gw body)
M19	<i>Calluna vulgaris</i> - <i>Eriophorum vaginatum</i> blanket mire		3	3	3	3	3 (2)	Ombrogenous, including N2K woodland
M20	<i>Eriophorum vaginatum</i> blanket and raised mire		3	3	3	3	3 (2)	Ombrogenous
M21	<i>Narthecium ossifragum</i> - <i>Sphagnum papillosum</i> valley mire		2*	2	2	2	1 (2)	Valley mires maintained by high local groundwater
M22	<i>Juncus subnodulosus</i> - <i>Cirsium palustre</i> fen meadow		2*	2	2	2	1	Soligenous /topogenous, springs and flushes
M23	<i>Juncus effusus/acutiflorus</i> - <i>Galium palustre</i> rush-pasture		2	2	2	2	1 (2)	Around soligenous flushes and topogenous mires

M24	<i>Molinia caerulea</i> - <i>Cirsium dissectum</i> fen meadow		2		2		1	Associated with topogenous and soligenous mires
M25	<i>Molinia caerulea</i> - <i>Potentilla erecta</i> mire	3*	3		2 (3)		2 (3)	seepage zones; grassland on deep peat
M26	<i>Molinia caerulea</i> - <i>Crepis paludosa</i> mire	2	2		2	This vegetation type is confined to peaty soils enriched with base rich water, and is found as small stands amongst a mosaic of wet grassland, as well as on flushes, slopes, and occasionally open water.	2 (3)	In topogenous sequences and in soligenous situations on flushes slopes
M27	<i>Filipendula ulmaria</i> - <i>Angelica sylvestris</i> mire	2	2		2		2 (3)	soligenous and topogenous mires, edges of flushes
M28	<i>Iris Pseudacorus</i> - <i>Filipendula ulmaria</i> mire	2	2		2	This vegetation type relies on freshwater seepages and is found both on the interface between shore and saltmarsh but also wet hollows and flushes close to the sea. The community relies on constant flushing with only occasional spring tides causing flooding. The community requires damp or wet soil to be maintained throughout most of the year.	2 (3)	freshwater seepage zones along upper edge of saltmarshes
M29	<i>Hypericum elodes</i> - <i>Potamogeton polygonifolius</i> soakway	1	1		1		1 (2)	shallow soakways and pools, seepages
M30	<i>Hydrocotylo</i> - <i>Baldellion</i>	2	2		2		2	
M31	<i>Anthelia julacea</i> - <i>Sphagnum auriculatum</i> spring	1	1		1	Montane springs	1	
M32	<i>Pilonotis fontana</i> - <i>Saxifraga stellaris</i> spring	1	1		1	Scarce below 400m	1	
M33	<i>Pohlia wahlenbergii</i> var. <i>glacialis</i> spring	1	1		1		1	
M34	<i>Carex demissa</i> - <i>Koenigia islandica</i> flush	1	1		1	Now called <i>C.viridula</i> ssp. <i>Oedocarpa</i>	1	
M35	<i>Ranunculus omniophyllus</i> - <i>Montia fontana</i> rill	1	1		1	I think this community would have a strong ground water dependency (rare in Scotland)	1	
M36	Lowland springs and streambanks of shaded situations	1	1		1		1	
M37	<i>Cratoneuron commutatum</i> springs	1	1		1		1	
M38	<i>Cratoneuron commutatum</i> springs	1	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)	in Eco-hydr guidelines
S3	<i>Carex paniculata</i> sedge swamp		3*	2		3	some movement in & eutroph of base rich waters
S4	<i>Phragmites australis</i> swamp		3	3		3	Incl in Eco-hydr guidelines
S5	<i>Glyceria maxima</i> swamp		3	3		3	Incl in Eco-hydr guidelines
S6	<i>Carex riparia</i> swamp		3	3		3	wet / waterlogged margins WT above or below surface
S7	<i>Carex acutiformis</i> swamp		2	2		2	wet / waterlogged margins
S8	<i>Scirpus lacustris</i> swamp		3	3		3	deep water swamp >25cm water
S9	<i>Carex rostrata</i> swamp		3	3		3	standing waters, WT above surface
S10	<i>Equisetum fluviatile</i> swamp		3	3		3	in standing water, margins
S11	<i>Carex vesicaria</i> swamp		2*	2	This community relies on large amounts of water generally from surface water	1	High water table, open water margins
S12	<i>Typha latifolia</i> swamp		3	3		3	standing or variable water table
S13	<i>Typha angustifolia</i> swamp		3	3		3	standing or variable water table
S14	<i>Sparganium erectum</i> swamp		3	3		3	stream margins, high water table
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	shallow water margins
S18	<i>Carex otrubae</i> swamp		3	3		3	margins
S19	<i>Eleocharis palustris</i> swamp		3	3		3	margins of standing / running waters
S20	<i>Scirpus lacustris/tabernaemontani</i> swamp		3	3		3	moist brackish sites
S21	<i>Scirpus maritimus</i> swamp		3	3		3	ill drained brackish sites
S22	<i>Glyceria fuitans</i> water margin vegetation		3	3		3	around ponds/wet areas in fens & pastures
S23	<i>Glycerio - Sparganium</i> water margin vegetation		3	3		3	Marginal, tolerant to WT variation / drying
S24	<i>Phragmites australis - Peucedanum palustre</i> tall-herb fen		2*	1	High water tables - base-rich waters	2 (3)	Incl in Eco-hydr guidelines
S25	<i>Phragmites australis - Eupatorium cannabinum</i> tall-herb fen		2	2		2 (1)	Fen irrigated / waterlogged by calc water. Valley mires
S26	<i>Phragmites australis - Urtica dioica</i> tall-herb fen		3	3		3 (2)	Moist, gw gleying/ some winter flooding

S27	<i>Carex rostrata</i> - <i>Potentilla palustris</i> tall-herb fen		3*	3		2 (3)	peaty soils, topogenous or soligenous
S28	<i>Phalaris arundinacea</i> tall-herb fen		3	3		3	water margins, summer WT below surface
MG3	<i>Anthoxanthum odoratum</i> - <i>Geranium sylvaticum</i> grassland	Scotland only - Not in E&W	3*	3			
MG4	<i>Alopecurus pratensis</i> - <i>Sanguisorba officinalis</i>	E&W only - Not in Scotland	2*			2	
MG5	<i>Cynosurus cristatus</i> - <i>Centaurea nigra</i> grassland		3	3		3 (2)	traditional meadows
MG8	<i>Cynosurus cristatus</i> - <i>Caltha palustris</i> lowland neutral grassland		3*	2		3 (2)	
MG9	<i>Holcus lanatus</i> - <i>Deschampsia cespitosa</i> grassland	Scotland only - Not in E&W	2*	2			
MG10	<i>Holcus lanatus</i> - <i>Juncus effusus</i> rush-pasture	Scotland only - Not in E&W	2*	2			
MG11	related inland wet grassland, <i>Festuca rubra</i> - <i>Agrostis stolonifera</i> - <i>Potentilla anserina</i> grassland		2	2		2 (3)	Flood from fresh / brackish water
MG13	Inland wet grassland, <i>Agrostis stolonifera</i> - <i>Alopecurus geniculatus</i> grassland,		3	3		3 (2)	
W1	<i>Salix cinerea</i> - <i>Galium palustre</i> woodland		2	2		2	
W2	<i>Salix cinerea</i> - <i>Betula pubescens</i> - <i>Phragmites australis</i> woodland		2	2		2	topogenous peat fens, flood plain and valley mires
W3	<i>Salix pentandra</i> - <i>Carex rostrata</i> woodland		2	2		2	peat soils kept moist by calcarous groundwater , basin mires
W4	<i>Betula pubescens</i> - <i>Molinia caerulea</i> woodland		1	1		1 (2)	N2K bog Woodland; spring fed according to EN wet woodland report
W5	<i>Alnus glutinosa</i> - <i>Carex paniculata</i> woodland		2	2		2 (1)	N2K residual alluvial forest; according to EN wet woodland report, can be dependent upon groundwater discharge, especially in summer
W6	<i>Alnus glutinosa</i> - <i>Urtica dioica</i> woodland		3*	2	Some groundwater input important	3	N2K residual alluvial forest; Include (HS) Difficult to distinguish where water comes from, thus include
W7	Residual alluvial forests (<i>Alnion glutinoso-incanae</i>)		2*	1	Occurs in flushed soligenous situations and is more strongly dependent on groundwater	2 (1)	N2K residual alluvial forest; According to EN wet woodland report, can depend on gw discharge in summer

W20	<i>Salix lapponum</i> – <i>Luzula sylvatica</i> scrub		1	1		1		1	Strong seepage of gw
M11	<i>Carex demissa</i> - <i>Saxifraga aizoides</i> mire		1	1		1		1	open, stony flushes
M12	<i>Carex saxatilis</i> mire		1	1		1		1	high montane flushes
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 sterneri</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)		2*	2			Can be affected by flushing but not always so.	1	Vegetation varies primarily due to level of flushing
CG11	<i>Festuca ovina</i> - <i>Agrostis capillaris</i> - <i>Alchemilla alpina</i> grassland (when not on limestone)		1	1				1	Vegetation varies primarily due to level of flushing
CG12	<i>Festuca ovina</i> – <i>Alchemilla alpina</i> – <i>Silene acaulis</i> dwarf-herb community		1	1				1	Some with springs / flushing
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			Rare in Scotland		
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			May be flushing from hills above
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 starkeri</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	Continuously irrigated cliff faces, high altitude
U16	<i>Luzula sylvatica</i> - <i>Vaccinium myrtilus</i> tall herb community		1	1			1	Some flushing by seepage lines or run-off
U17	<i>Luzula sylvatica</i> - <i>Geum rivale</i> tall herb community		1	1			1	Dependence on base enrichment from calc rocks or water flushing from them
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 crispera</i> - <i>Deschampsia flexuosa</i>	Scotland only - Not in E&W	3*	3				
SD13	<i>Salix repens</i> - <i>Bryum pseudoত্রুquetrum</i> dune-slack community		1	1	Agree with EN comments		1	EN wet dune report.. Needs gw discharge from dune gw body and this body is small, so very sensitive
SD14	<i>Salix repens</i> - <i>Campylopusium stellatum</i> dune-slack community		1	1	Agree with EN comments		1	EN wet dune report.. Needs gw discharge from dune gw body and this body is small, so very sensitive
SD15	<i>Salix repens</i> - <i>Calligon cuspidatum</i> dune-slack community		1	1	Agree with EN comments		1	EN wet dune report.. Needs gw discharge from dune gw body and this body is small, so very sensitive
SD16	<i>Salix repens</i> - <i>Holcus Lanatus</i> dune slack community		1	1	Agree with EN comments		1	
SD17	<i>Potentilla anserina</i> - <i>Carex nigra</i> dune-slack community		1	1	Agree with EN comments		1	EN wet dune report.. Needs gw discharge from dune gw body and this body is small, so very sensitive