Appendix 1a: Habitat Restoration Monitoring prescription for new woodland						
jor new wooddana						
Overall target	Year 0/1	Year 2/3	Year 5	Year 10		
Site characteristics	No obvious open habitat interest on or adjacent to the site compromised by woodland creation. Woodland or hedgerow close by. Open areas e.g. rides or glades add habitat diversity					
Planted trees established, failures less than 10%	Majority of planted trees surviving	Ditto	Ditto	Ditto		
Closed canopy conditions		Some planted trees 1m high or more	All planted trees at least 1m tall	Most planted trees at least 2-3m tall. Closed canopy conditions over part of the planted area		
Low browsing damage	Majority (>90%) of leaders free of browsing damage	Ditto	Ditto	Ditto		
Low competition from weeds around planted trees	Planted trees not swamped by weed growth	All planted trees overtopping surrounding	Dirro	Ditto		
Matrix of perennial vegetation between trees	Matrix of vegetation established between planted whips	Ditto	Ditto	Ditto		
Diverse range of woody species present including shrub species	Minimum of 5 woody species present including at least 1 shrub species, No single species dominant	Ditto	Ditto	Ditto		
CORE OF SITE Woody species regenerating/colonising from adjacent areas CORE OF SITE		Naturally regenerated woody species present Woodland precursor	Ditto	Naturally regenerated woody species at least occasional Woodland		
Shade tolerant herbaceous woodland precursor species in the ground flora*	Nistanulla numero avata d	species present	Nationally	precursor species at least occasional		
Woody species regenerating/colonising from adjacent areas	woody species present		regenerated woody species at least occasional	Dillo		
20m WOOD MARGIN Shade tolerant herbaceous woodland precursor species in the ground flora *	woodland precursor species present	UIIIO	woodland precursor species at least occasional	woodland precursor species at least frequent		

* Lists of appropriate species (modified from Appendix 3) should be attached to the monitoring prescription

<u>Appendix 1b</u> : Habitat Rest general	toration 1 appraisa	Monitoring recording form for new woodland – al methodology (M1) - Year 2
NEW WOODLAND PLANTING		YEAR 2
LOCATION:		RECORDER:
		DATE OF RECORDING:
GRID REFERENCE:		TIME OF DAY:
WEATHER CONDITIONS:		
TIME TAKEN TO COMPLETE M	IONITOR	ING :
SITE CHARACTERISTICS		(delete as appropriate)
Woodland or hedgerow adjacent or close	by	yes / no
At least one open area (e.g. ride or gla	ade) within	the boundaries of the new wood yes / no
UTHER COMMENTS:		
Check second column if criteria are m	net and pro	vide further information in third column:
(Score if target is $met = 2$, if almost m	net = 1, if n	not $met = 0$)
Criteria	Score	Further information
Planted trees established Failures less		
than 10%		
Some planted trees at least 1 m tall		
Serve burness to an tange a 191 that		
Browsing damage to leaders less than		
1.0.7.0]	
All planted trees overtopping	1	
surrounding vegetation	1	
Matrix of peroprial constanting		
established between frees		
At least 5 woody species present		
including at least 1 shrub species		
CORE OF SITE: Woody species	1	
colonising from adjacent vegetation		
- · · ·	<u> </u>	
CORE OF SITE: Herbaceous		
woodland precursor species* colonising		
20 m MARGIN: Woody species	1	
colonising		
20 m MARGIN: Herbaceous woodland		n har gegenen men han han han han han han han han han ha
precursor species* colonising	ľ í	
		the second s
Total score		
	1	

* Lists of appropriate species (modified from Appendix 3) should be attached to the recording form

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<u>Appendix 1c</u> : Example of co new woodland	ompleted H – general d	abitat Restoration Monitoring recording form for appraisal methodology (M1) – year 2			
NEW WOODLAND PLANTING		YEAR 2			
LOCATION: Burches wood RECORDER: FMB DATE OF RECORDING: 02/08/					
GRID REFERENCE: XY 345	678	TIME OF DAY: 14.30			
WEATHER CONDITIONS: Clo TIME TAKEN TO COMPLETE	udy MONITOR	ING : 25 minutes			
SITE CHARACTERISTICS Woodland or hedgerow adjacent or clc At least one open area (e.g. ride or	se by glade) within	(delete as appropriate) yes / no the boundaries of the new wood yes / no			
SITE DESCRIPTION: Strip of n plants oak and hazel) adjoining the new wood connecting the a Check second column if criteria are (Score if target is met - 2, if almost	ew woodland on the wes adjacent wo met and pro- t met = 1, if n	d with an existing woodland SSSI (dominant woody itern side. A ride has been left through the centre of odland SSSI for access/habitat diversity. vide further information in third column: not met = 0)			
Criteria	Score	Further information			
Planted trees established. Failures less than 10%	2	Nearly all trees surviving, a few dead oaks			
Some planted trees at least 1 m tall	0	Most trees not exceeding height of tree guards due to deer browsing			
Browsing damage to leaders less than 10%	0	Severe deer browsing damage to nearly all trees especially on the western edge adjacent to SSSI			
All planted trees overtopping surrounding vegetation	2	Trees clear of vegetation			
Matrix of perennial vegetation established between trees	2	Grass dominated vegetation ca 0.5 m tall between planted trees			
At least 5 woody species present including at least 1 shrub species	2	Ash, field maple, oak, cherry, hawthorn			
CORE OF SITE : Woody species colonising	0	Bramble occasional, no trees/shrub species observed			
CORE OF SITE: Herbaccous woodland precursor species* colonising	0	None observed			
20 m MARGIN: Woody species colonising	1	A few seedlings of ash and hawthorn seen but only on western side (adjacent to SSSI) some bramble			
20 m MARGIN: Herbaceous woodland precursor species* colonising	2	Geum urbanum, Brachypodium sylvaticum occasional			
Total score	11 (20 max)	Overall comments: Grazing protection required to assist tree growth, site manager to be informed			

* Lists of appropriate species (modified from Appendix 3) should be attached to the recording form

<u>A</u>	<u>ppendix 2a</u> : Habitat Res for neutral hay meadow	storation Monito restored from in	oring prescription nproved pasture	<u></u>
Overall target	Year 0/1	Year 2/3	Year 5	Year 10
Site characteristics	History of hay meadow vegetation in the past ten years or seed source of meadow species nearby			, :,
Vegetation structure – open sward with some bare ground	Open sward	Ditto	Ditto	Ditto
	Occasional to frequent small patches of bare ground (i.e. 1-2 cm) visible when vegetation is parted	Ditto	Ditto	Ditto
Litter sparse	Litter sparse	Ditto	Ditto	Ditto
Low abundance of potentially dominating grasses (PDG)*	PDG no more than occasional in 80% of sampling positions	Ditto	Ditto	Ditto
Low infestation of pernicious weed species (PWS)*	PWS absent or not more than occasional in 90% or more of sampling positions	Ditto	Ditto	Ditto
No large patches (>0.5m) of potentially dominating clonal species*	Large clonal patches no more than sparse	Ditto	Ditto	No large clonal patches
Forb-rich sward: Neutral grassland forbs (NGF) frequent*	Patches of forb-rich sward (forbs at least abundant) present	Forb-rich sward present at 10% of sampling positions or more	Forb-rich sward present at 40% of sampling positions or more	Forb-rich sward present at 60% of sampling positions or more
	At least 4 neutral grassland forb (NGF) species present	At least 6 NGF species present	At least 4 NGF present at 80% of sampling positions or more	At least 6 NGF present at 80% of sampling positions or more
Diverse matrix of grasses including a high frequency of neutral grassland species (NGS)*	At least 4 neutral grassland grass species (NGS) present	At least 6 NGS present	At least 4 NGS present at 80% of sampling positions or more	Ditto
Green wingcd orchid frcquent in sward	Green winged orchid present	Green winged orchid present and at least occasional	Green winged orchid present at 10% of sampling positions or more	Green winged orchid present at 20% of sampling positions or more

* Lists of appropriate species (modified from Appendix 3) should be attached to the monitoring prescription

<u>Appendix 2b</u> : Habitat Restoration Monitoring recording form for restoration of neutral hay meadow from pasture – combined general appraisal (M1) and sample-based methodology (M2) – year 1													
RESTORATION OF NEUTR		HAY	ME	ADO	W FR	OM	PAS	FURI	Ē			Y	EAR 1
REFIGRATION OF NEUTRAL HAY MEADOW FROM PASTURE LOCATION: RECORDER DATE OF RE DATE OF RE GRID REFERENCE: TIME OF DA TIME TAKEN TO COMPLETE RECORDING:								CORDI Y:	NG:				
WEATHER CONDITIONS:													
SITE CHARACTERISTICS Low soil fertility - Neutral grassland species evider	nt in	adjao	cent v	egeta	tion					(c y y	lelete as aj es / no / es / no	propriate) no inform	ation
SITE DESCRIPTION:			******				·				, <u></u>		
	T 4	1.0	1	San	npling	positi	on	10		110		L	
Open award	I	2	3	4	5	0	17	8	9	10	Total	Target	Score
													}
Litter no more than sparse													
Large patches (>0.5m) of potentially dominant clonal species* no more than sparse													,
Patches of forb-rich sward (forbs at least abundant) present													
At least 4 neutral grassland forb (NGF*) species present (list species)											,		
Green winged orchid present											atanàna amin'ny faritr'o dia manana amin'ny faritr'o dia manana amin'ny faritr'o dia manana amin'ny faritr'o di Na manana amin'ny faritr'o dia manana amin'ny faritr'o dia manana amin'ny faritr'o dia manana amin'ny faritr'o d		
Frequent patches of bare ground (i.e. >1 cm) when vegetation parted (Record DAFOS score)												8+	
Comments											· ·		
Potentially dominating grasses (PDG*) no more than occasional (Record DAFOS score)												8+	
Comments													
Pernicious weed species (PWS*), absent or no more than occasional (indicate DAFOS score)												9+	
Comments												at Star	
Total score													

* Lists of appropriate species (modified from Appendix 3) should be attached to the recording form.

Appendix 2c: Example of completed Habitat Restoration Monitoring recording form for restoration of neutral hay meadow from improved pasture combined general appraisal (M1) and sample-based methodology (M2) – year 1 **RESTORATION OF NEUTRAL HAY MEADOW FROM IMPROVED PASTURE** YEAR 1 LOCATION: Smardon Meadow **RECORDER: JM** DATE OF RECORDING: 11/06/99 GRID REFERENCE: ZW 987654 **TIME OF DAY: 15,15** TIME TAKEN TO COMPLETE RECORDING: 45 minutes WEATHER CONDITIONS: Cloudy, rain SITE CHARACTERISTICS (delete as appropriate) Low soil fertility yes / no information Neutral grassland species evident in adjacent vegetation ves / no SITE DESCRIPTION: Level field, bounded by railway line on northern edge and by existing meadow SSSI on western edge, arable fields on other three sides Sampling position 2 5 6 8 9 10 Total Target Score 3 4 1 7 Open sward Open sward over 50% of the field 1 moderate-dense sward over the other 50% Litter no more than sparse No significant litter accumulation observed 2 Large patches (>0.5m) of 2 R. repens and T. repens present but sparsepotentially dominant clonal occasional not in clonal patches species* no more than sparse Patches of forb-rich sward (forbs Forbs no more than frequent 1 at least abundant) present At least 4 neutral grassland forb Rhin min, Prun vulg, Plan lanc, Cent nigr 2 (NGF) species present* (list species) Green winged orchid present 20 flowering spikes observed on western 2 boundary adjacent to SSSI Frequent patches of bare ground 8+ 7 S F Α F F 0 S F F Α 1 (i.e. >1 cm) when vegetation × Х х ¥ parted (Record DAFOS score) Comments Limited bare ground in areas of dense sward Potentially dominating grasses 8+ Ö D S 0 0 6 0 S А D S Α (PDG) no more than occasional X V X Х ¥ V х (Record DAFOS score) Comments Agrostis stolonifera and Elymus repens locally dominant 9+ Pernicious weed species (PWS), Ο S Α S 8 1 Ο 0 S Ο S D absent or no more than occasional × V × 4 J V (indicate DAFOS score) Comments Rumex obtusifolius locally abundant/ dominant **Total score** Max = 12 18

* Lists of appropriate species (modified from Appendix 3) should be attached to the recording form.

Appendix 3: Lists of positive and negative indicator species

The lists below suggest a range of plant species potentially suitable for use as positive or negative indicators of habitat restoration. Positive indicator species are those we want to see at a site and their presence at a site indicates that restoration is proceeding satisfactorily. Negative indicators are species that we do not wish to see at a site and their presence indicates issues or problems which need to be addressed e.g. through management intervention by the site manager.

Nomenclature for Latin names follows Clapham, A.R., Tutin, T.G. and Moore, D.M. 1987. Flora of the British Isles 3rd edition. Cambridge University Press, which also provides the common English names for each species.

Positive indicator/target species:

These are derived from the lists of constant species in the relevant NVC plant communities and are provided for guidance only. Modification of these lists will be required to take account of local variation and to include any species introduced by seed sowing, hay strewing as appropriate.

Neutral grassland grasses (NGS)	Neutral grassland forbs (NGF)					
Agrostis capillaris. Anthoxanthum odoratum Briza media Cynosurus cristatus Dactylis glomerata Festuca pratensis Festuca rubra Holcus lanatus Lolium perenne Trisetum flavescens	Drier sites: Achillea millefolium Agrimonia eupatoria Bellis perennis Centaurea nigra Cerastium fontanum Galium mollugo Hypochaeris radicata Lathyrus pratensis Leontodon spp. Leucanthemum vulgare Lotus corniculatus	Luzula campestris Plantago lanceolata Prunella vulgaris Ranunculus acris Ranunculus bulbosus Rhinanthus minor Rumex acetosa Taraxacum officinalis Trifolium pratense	Wetter sites: Angelica sylvestris Cardamine pratensis Carex spp. Filipendula ulmaria Galium palustre Iris pseudocorus Juncus spp. Lotus uliginosus Lychnis flos-cucculi Mentha aquatica Potentilla anserina			

Neutral grassland species

Limestone grassland/scrub species

Limestone grassland grasses (LGS)	Limestone grassland forbs (LGF)				
Avenula pubescens	Carex carophyllea	Leontodon hispidus			
Avenula pratensis	Carex flacca	Leucanthemum vulgare			
Brachypodium pinnatum	Campanula rotundifolia	Linum catharticum			
Briza media	Centaurea nigra	Lotus corniculatus			
Bromus erectus	Centaurea scabiosa	Pimpinella saxifraga			
Dactylis glomerata	Cirsium acaule	Plantago lanceolata			
Festuca ovina	Filipendula vulgaris	Plantago media			
Koeleria macrantha	Galium mollugo	Primula veris			
Phleum bertolonii	Galium verum	Prunella vulgaris			
Trisetum flavescens	Heliathenum nummularium	Ranunculus bulbosus			
	Hieracium pilosella	Sanguisorba minor			
	Hypericum spp	Scabiosa columbaria			
	Knautia arvensis	Stachys sylvatica			
		Thymus praecox			
		Trifolium pratense			

Acid grassland grasses (AGS)	Acid grassland forbs (AGF)
Festuca ovina	Erodium cicutarium
Agrostis capillaris	Myosotis ramosissima
Aira praecox	Ornithopus perpusillus
Anthoxanthum odoratum	Leontodon spp
Holcus lanatus	Sedum spp
Deschampsia flexuosa	Veronica spp
Koeleria macrantha	Erophila verna
	Arenaria serpyllifolia
	Galium saxatile
	Potentilla erecta

Acid grassland species

Herbaceous woodland precursor species

Grasses	Dicotyledons	Ferns
Anthoxanthum odoratum*	Ajuga reptans	Dryopteris spp
Brachypodium sylvaticum	Anthriscus sylvestris	Pteridium aquilinum*
Deschampsia cespitosa*	Calluna vulgaris*	
D.flexuosa*	Chamerion angustifolium	
Festuca gigantea	Cirsium palustre	
Holcus lanatus	Digitalis purpurea*	
Poa trivialis	Epilobium hirsutum	
	Geranium robertianum	
	Geum urbanum	
	Glechoma hederacea	
	Heracleum sphondylium	
	Potentilla erecta*	
	P.reptans	
	Prunella vulgaris	
	Silene dioica	
	Stachys sylvatica	
	Torilis japonica	
	Veronica chamaedrys	

*acid sites

Negative indicator species

Problem species/Pernicious Weed species (PWS)	Potentially Dominant Grasses (PDG)	Potentially dominant clonal species
Cirsium arvense	Agrostis stolonifera	Legumes:
Cirsium vulgare	Elymus repens	Medicago lupulina
Rumex crispus	Festuca rubra	Melilotus spp
Rumex obtusifolius		Trifolium repens
Senecio jacobaea		
Urtica dioica		Non-legumes:
		Ranunculus repens

Appendix 4: A guide to the identification of common grasses

The grass species present at a restoration site can provide valuable information about the environmental conditions and the progress of the restoration. High abundance of species such as false oat grass (*Arrhenatherum elatius*) or couch grass (*Elymus repens*) can impede success by forming dense stands and reducing sward diversity. Presence of species such as quaking grass (*Briza media*) on calcareous soils or sweet vernal grass (*Anthoxanthum odoratum*) or wavy hair grass (*Deschampsia flexuosa*) on acid soils provides an indication that the restoration is proceeding satisfactorily.

Of the currently available books on grasses the one by C.E. Hubbard (*Grasses: a guide to their structure, identification, uses and distribution in the British Isles.* Penguin Books, 3rd edition 1984) is the standard reference work for identification of grasses with detailed black and white line drawings of all the grasses in the British flora. However the book provides a rather advanced treatment and is difficult for the inexperienced user. On the other hand, the book by Francis Rose (*Grasses, sedges rushes and ferns of the British Isles and North-western Europe, Viking Press, 1989*) is more user-friendly for the beginner and is beautifully illustrated in colour. However this book covers all the grasses in the British flora and is rather too detailed for the inexperienced user.

Therefore we provide the following guide designed to for the inexperienced person to identify the commoner grass species likely to be encountered in habitat restoration sites in the early and later stages. It does not cover all the possible species but concentrates on those that are more diagnostic of success or of problems with restoration.

	Glossary of terms:
Auricle	Claw- or ear-like outgrowths at the junction of the sheath and blade of some grasses (Fig 9).
Awn	Conspicuous bristle-like projections emerging from the spikelet (Fig 6)
Boat-shaped tip	Where the leaf tip curves up like the end of canoe (Fig 29)
Glabrous	Hairless
Inflorescence	Flower head terminating a stem, either a branched panicle (Fig 1) or spike (Fig 2)
Keel	An obvious fold or ridge at the back of the leaf (Fig 7)
Ligule	An outgrowth at the inner junction of the leaf-sheath and blade, usually membranous (Fig 7) but occasionally a fringe of hairs (Fig 8)
Node	Point on inflorescence stem at which a leaf arises (Fig 4, 15)
Panicle	Branched inflorescence (Fig 1)
Rhizome	Underground creeping stem (Fig 9)
Ribbed	Leaf surface with prominent parallel ridges (Fig 20)
Spike	Dense unbranched inflorescence (Fig 2)
Sheath	Lower part of the leaf surrounding the stem (Fig 4)
Spikelet	Unit of grass flowerhead (Fig 6)
Stolon	Crceping above-ground stem (Fig 30)
Tramlines	Conspicuous groove along the centre of the upper surface of the leaf, on close examination appears as two parallel lines (Fig 29)

Below we provide a glossary of technical terms and a key to the species described in the table and illustrations of important characteristics of selected species.

Grass identification

Use the key below to find the appropriate section in the table below. You need a plant complete with inflorescence since the diagnostic features include the type of inflorescence and whether the youngest leaf is folder or rolled in the sheath. Each section of the table is then sorted depending on whether the plant is hairy or glabrous. You should use the descriptions to find the closest match and may wish to refer to one of the books above (Hubbard or Rose) to confirm your identification from the illustrations and descriptions provided there.

	Key to the main sections in	the grass table
1.	Inflorescence a branched panicle (Fig 1):	
		$Yes \rightarrow (2)$
	1	No \rightarrow (4)
2.	Youngest leaf folded in the sheath like a book (Fig 3B))
		Yes → Section A
	1	No \rightarrow (3)
3.	Youngest leaf furled in the sheath like a rolled-up flag	(Fig 3A)
		Yes → Section B
	1	No \rightarrow try again, or seek further advice
4.	Inflorescence spike-like (Fig 2)	
		$Yes \rightarrow (5)$
	I	No \rightarrow try again, or seek further advice
5.	Youngest leaf folded in the sheath like a book (Fig 3B))
		$Yes \rightarrow Section C$
	1	No \rightarrow (6)
6.	Youngest leaf furled in the sheath like a rolled-up flag	(Fig 3A)
	- · · · ·	$Yes \rightarrow Section D$
	1	No \rightarrow try again, or seek further advice



Guide to the commoner grasses of habitat restoration sites			
Latin name	Common name	Hairy/ glabrous	Notes
Section A: Inflo	prescence a branc	hed panicle	e (Fig 1), youngest leaf folded in the sheath (Fig 3B)
Avenula pubescens	Hairy oat grass	Н	Tramlines and boat-shaped tip (misleadingly suggests <i>Poa</i> !; Fig 29), ligule pointed, spikelets awned, limestone grassland
Bromus erectus	Upright brome	Н	Tussock grass, Eyelash hairs held at 45° along margins of leaf blade (Fig 19), ligule serrated, spikelets awned, limestone grasslands
Deschampsia cespitosa	Tufted hair grass	Н	Tussock grass, leaf blades stiff with sharply serrated margins rough to the touch, ribbed, ligule pointed, wet/acid habitats
Deschampsia flexuosa	Wavy hair grass	H	Leaves narrow and bristle-like, inflorescence with wavy branches, ligule pointed, dry, acid habitats
Aira caryophyllea	Silvery hair grass	G	Small, fine-leaved annual grass, ligule toothed, senescent by end June, inflorescence fine and open, dry/acid habitats
Avenula pratensis	Mcadow oat grass	G	Leaves narrow, stiff and twisting, tramline and boat- shaped tip (Fig 29) misleadingly suggests <i>Poa</i> !, ligule pointed, spikelets awned, limestone grasslands
Dactylis glomerata	Cocksfoot grass (Fig 7a)	G	Leaf sheath, flattened, (like small Iris, Fig 7b) and sheaths radiate from base like a "cocks foot", leaf blade strongly folded and keeled, conspicuous, long white ligule (Fig 7b), neutral and limestone grasslands
Glyceria fluitans	Floating sweet grass (Fig 31)	G	Leaves strongly keeled, leaves floating on surface of water, ligule pointed, spikelets cigar-shaped (Fig 31), ponds/ditches
Poa pratensis	Smooth meadow grass	G	Very long narrow leaf blade, tramlines and boat-shaped tips (Fig 29), neutral and limestone grasslands
Poa trivialis	Rough meadow grass	G	Tramlines and boat-shaped tips (Fig 29), ligule long and pointed, sheaths rough to the touch, grassland/woodland

<u>Section B</u>: Inflorescence a branched panicle (Fig 1), youngest leaf rolled in the sheath (Fig 3A)

Brachypodium	Tor grass	Н	Coarse tussock-forming grass, leaves broad, tough, erect
pinnatum			and yellow green, minutely hairy along the margin,
-			strongly creeping rhizome, limestone grasslands
Brachypodium	Wood false	Н	Tussock-forming grass, yellow-green and very hairy,
sylvaticum	brome (Fig 27)		leaves/inflorescence nodding, limestone grassland, scrub
			and woodland
Bromus sterilis	Sterile brome	H	Leaf blades yellow-green, softly hairy and twisting, ligule
	(Fig 6)		pointed/toothed, inflorescence open and nodding,
			spikelets awned (Fig 6), annual grass usually senescent by
			June, disturbed ground
Holcus lanatus	Yorkshire fog	Н	Plant softly hairy, sheath with purple stripes (purple
	(Fig 16)		striped pyiamas; Fig 16), grasslands
		1	

Holcus mollis	Creeping soft grass	H	Nodes on inflorescence stalk with a fringe of downward- pointing hairs (hairy knees, Fig 15), acid habitats
Molinía caerulea	Purple moor grass	Η	Coarse, tussock-forming grass with dead material accumulating at the base, ligule a fringe of hairs, wet acid habitats
Trisetum flavescens	Golden oat grass (Fig 28)	Н	Inflorescence golden yellow colour, ligule serrated, spikelets awned (Fig 28), grasslands on drier soils
Agrostis spp	Bent grasses (Fig 30a)	G	Leaf blade flat, ligule variable depending on species, inflorescence fine (Fig 30c), grassland and heathland
Arrhenatherum elatius	False oat grass (Fig 26)	G (H on nodes)	Tall, coarse, tussock grass, leaves with bitter taste, stem base often swollen (Fig 26) and with yellowish roots, inflorescence long, spikelets awned, rank grassland
Briza media	Quaking grass (Fig 14)	G	Plant short, leaf blades flat and stumpy, often held parallel to the ground, ligule very short, blunt, inflorescence "quaking", spikelets like "rice crispies", limestone grasslands
Festuca arundinacea	Tall fescue	G (H on auricles)	Coarse, tall tussocky grass, leaves broad and ribbed, conspicuous auricles with minute hairs (Fig 25), grasslands
Festuca ovina + F.rubra	Sheeps fescue and red fescue	G	Leaves narrow and bristle-like, often inrolled (Fig 22, 23), very short ligule, grasslands
Festuca pratensis	Meadow fescue	G	Leaves broad, ribbed, conspicuous auricles, (Fig 24) grasslands
Phalaris arundinacea	Reed canary grass	G	Robust plant, spreading extensively by creeping rhizomes, leaves broad, ligule blunt, serrated (Fig 21), ponds/ditches
Phragmites australis	Common reed	G	Robust plant, spreading by creeping rhizomes and forming dense stands (reedbeds), leaves greyish green, very broad, ligule a fringe of hairs (Fig 8) ponds and ditches

<u>Section C</u>: Inflorescence spike-like (Fig 2), youngest leaf folded in the sheath (Fig 3B)

Hordeum secalinum	Mcadow barley (Fig 11)	Н	Small auricles, inflorescence barley-like (Fig 11), neutral grasslands
Koeleria macrantha	Crested hair grass	11	Small plant, leaf blade narrow, blue-green, ribbed and minutely hairy (Fig 20), dry grasslands
Aira praecox	Early hair grass	G	Small, finc-leaved annual grass, ligule pointed and toothed, senescent by end June, inflorescence a short, dense spike, dry/acid habitats
Cynosurus cristatus	Crested dog's tail (Fig 10)	G	Leaves glossy backed, ribbed, sheath yellowish/white at the base, inflorescence a short one-sided spike, ligule (Fig 18), grasslands
Lolium perenne	Perennial rye- grass (Fig 4)	G	Leaves glossy backed, ribbed, sheath wine-red at the base inflorescence a two-sided spike, small clasping auricles (Fig 17), grasslands

<u>Section D</u> : Inflorescence spike-like (Fig 2), youngest leaf rolled in the sheath (Fig 3B)				
Anthoxanthum odoratum	Sweet vernal grass	н	Plant smelling of new mown hay when bruised, leaves short and stubby, junction of leaf/sheath fringed with hairs (Fig 5), early flowering, inflorescence with conspicuous protruding stigmas, grassland/heathland	
Elymus repens	Couch/twitch	Ĥ	Coarse, creeping rhizomatous grass, leaves dull green, conspicuous auricles clasping the sheath (Fig 9), grassland	
Alopecuris geniculatus	Marsh foxtail (Fig 13)	G	Creeping plant with "zig-zag" shoots often parallel to ground, sheath inflated, inflorescence narrowly cylindrical (Fig 13), wet grasslands	
Alopecurus pratensis	Meadow foxtail	G	Sheath inflated, inflorescence narrowly cylindrical, grassland	
Phleum bertolonii	Small timothy (Fig 12)	G	Short plant, broad leaf blades, roots swollen like small onions, often stoloniferous, spike short and cylindrical (Fig 12), limestone grassland	
Phleum pratense	Timothy grass	G	Inflorescence a long, cylindrical spike, grassland on neutral soils	











	Appendix 5: Checklist for the preparation of Monitoring Presc	riptions	
1.	Has the site been visited recently?		
2.	Has restoration management been implemented and has it been documented?		
3.	Is the site homogeneous or is variable over more than 20% of its extent and if so, have monitoring prescriptions been adjusted to account for this?		
4.	Have all attributes been considered?		
5.	Has the appropriate monitoring methodology (M1 or M2) been selected?		
6.	Is there a long-term commitment to the site?		
7.	Have realistic targets been set?	.	
8.	Are targets justified for the time series of restoration development?		
9.	Has an independent person checked the form before monitoring commences?		

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Appendix 6: Checklist for the preparation of recording form	<u>ns</u>	
1. Is the restoration site clearly marked on a map?		
2. Is the recording form clearly labelled for the correct site?		
3. Do the prescriptions and thus the recording form relate to the appropriate year?		
4. Are all attributes / targets for the specific year included?		
5. Is all wording used clear and unambiguous?		
6. Are all M1 / M2 attributes grouped appropriately?		
7. Are positive and negative attributes grouped where possible?		
8. Do all M2 attributes also have space for comments?		
9. Is the requirement for DAFOS to be recorded specified?		
10. Have appropriate list(s) of positive and negative target plant species been attached?		
11. If the site is split or zoned, is this clearly indicated on the form and attributes grouped accordingly?		
12. Has the form been checked by another person for clarity, non-ambiguity and adherence to the appropriate monitoring prescriptions?		
13. Is the boundary of the site clear?		
14. Has the recorder been informed on location and access to the site?		
15. Has the landowner / manager been informed of the monitoring visit?		

Appendix 7: Checklist for carrying out Habitat Restoration Monitorin	<u>g in the fi</u>	<u>eld</u>
Before setting out to visit the site for recording:		
1. Is the site location and boundaries clearly marked on a large scale map?		,
2. Have you planned the sampling route – "W" or linear walk?		
3. Are the access arrangements confirmed?		
4. Have you read and understood the recording form?	<u></u>	
5. Have you checked the identification of any key species?		
6. Have you assembled any cquipment required?		
7. Have you left your contact details?		
During recording		
8. Is the boundary of the site clear in the field?		
9. If site is split or zoned is this obvious in the field?		
10. Do you understand the approach to recording M1 vs M2 attributes?		
11. Have your recorded DAFOS scores where required?		
12. Have you calculated the score for each attribute correctly for positive or negative indicators?		
13. Have you provided comments as required?		
14. Have you completed all sections of the form?		