Description: The North York Moors stretch from the Vale of York in the west to the coast in the east. The underlying geology is of Jurassic sandstone and shale with a belt of limestone exposed along the southern edge. These rocks form an upland plateau which is dissected by numerous valleys. Open moorland largely dominated by dry heath extends across the upland plateau, while the valleys support a mosaic of grasslands, woodlands, fast-running rivers and bracken on the steeper slopes.

Habitat	NVC present	Extent in Natural Area (1-fragmented, 2-frequent, 3-extensive)	Significance (1- internationally scarce with U.K. representation, UK-well developed in U.K. but represented elsewhere, L. Widely developed in Europe)
Blanket mire and wet heath (including Bog pool and flush and valley mires).	M6c M10 M13 M15, M15a M16 M20b M21 M22 M23 M25b M27	2 1 1 2 2 2 2 2 1 1 2 1	I UK ? UK I UK L ? I I I ?
Dry heath	H9	3	UK
	H10	1	UK
	H12	2	UK
	H18	1	I
	H21a	1	I
Grassland and	U4	2	L
tall herb	U5	2	L
communities	U6	1	I
Scrub	U20, U20c	3	I

Nationally Rare and Scarce Plant Species: None recorded

Issue
Burning, moor gripping/drainage?, adjacent forestry.
Access and recreation. Extent and frequency of burning. Bracken control. Pond creation for grouse management. Stock feeding and shepherding. Woodland regeneration.
Agricultural improvement? Afforestation/tree planting. Scrub encroachment and lack of traditional management.

Objective	
Habitat	Objective
Blanket mire and wet heath	Retain and enhance soil hydrology and hydrological features. Maintain and restore species composition and condition of dwarf shrub. Reduce or eliminate burning.
Dry heath	Maintain condition of dry heath communities and encourage mature heather through reduction of burning.
Grassland and tall herb communities	Ensure grassland communities are appropriately managed. Encourage development of a mosaic of dry heath and grasslands types.
Scrub	Encourage natural regeneration of gill woodland/scrub and development of scrub adjacent to moorland and woodland edge (especially as alternative to bracken control with herbicide).

Significance: Important for holding the largest continuous tract of heather moor in England and probably the largest continuous area of H9 in Britain. Also important for good examples of wet heath (M16) and valley mire (M21).

Natural Area: North Pennines

Description: The North Pennines are a distinct upland block bordered by the Eden and Tyne valleys, the Durham lowlands and the Yorkshire Dales. The Natural Area is dominated by Carboniferous rocks including Millstone Grit, shale and limestone which form an open and rugged upland landscape. Intrusions of hard volcanic rock such as the Whin Sill produce distinctive 'vertical steps' in the landscape and have formed the largest waterfall in England at High Force. On much of the high Pennines a layer of peat blankets the bed rock and this supports extensive areas of moorland. Outcrops of limestone support calcareous grasslands and pavements.

Habitat	NVC present	Extent in Natural Area (1-fragmented, 2-frequent, 3- extensive)	Significance (I -internationally scarce with U.K. representation, UK -well developed in U.K. but represented elsewhere, L - Widely developed in Europe)
Montane	1113 H18 H22 U10a U17 M7 M8 M9b U7	1 2 1 2 1 1 1 1 1 1 1	I L UK UK L L L L L
Blanket mire and wet heath (including Bog pool and flush & valley mires)	M2b M3 M4 M6a, M6b, M6c, M6d M10 M11b M15, M15a, M15b M16 M17 M18a, M18b M19a, M19b, M19c M20 M23 M25, M25b M26b M32 M35 M37 M38	2 2 3 2 1 1 1 1 2 3 3 1 2 1 1 1 2 1 1 2 1	L L I UK UK UK UK UK I I I L L L L L L L L
Dry heath Grassland and tall herb	118 119 1110c, H10d 1112a, H12b 1118 H19 H21, H21a U1	1 2 1 3 1 2 1	I UK UK UK L L I L
communities	U2 U4c U5a, U5b, U5c U6, U6a, U6d U16 U19 U20, U20a, U20c U21 CG9c, CG9d, CG9e CG10a, CG10c	2 3 3 2 1 1 2 1 2 3	L L I UK L I L I UK
Seruo	W19a, W19b	2	L

Nationally Rare and Scarce Plant Species:

Alchemilla glomerulans, A.wichurae, Alopecurus borealis, Asplenium septentrionale, Bartsia alpina, Betula nana, Carex capillaris, C.magellanica, Circaea alpina, Dryas octapetala, Euphrasia rostkoviana, Juncus alpinoarticulatus, Kobresia simpliciuscula, Minuartia stricta*, Myosotis alpestris*, M.stolonifera, Phleum alpinum, Poa alpina, Polygala amarella, Potentilla crantzii, P.fruticosa*, Saxifraga hirculus*, S.nivalis, Sedum villosum, Viola rupestris, Woodsia ilvensis*. (Carex ericetorum, C.ornithopoda, Crepis mollis, Dryopteris submontana, Equisetum pratense, Epipactis atrorubens, Equisetum variegatum, Gentiana verna, Gymnocarpium robertianum, Hammarbya paludosa*, Helianthemum canum, Minuartia verna, Primula farinosa, Sesleria caerulea, Sorbus rupicola, Thlaspi caerulescens.)

Key Issues	
Habitat	Issue
Montane	Overgrazing, recreation, acid deposition.
Blanket mire and wet heath	Overgrazing, gripping, burning, recreation, stock-feeding, Sphagnum harvesting, wind farms.
Dry heath	Overgrazing, burning, recreation, stock-feeding, bracken encroachment, woodland regeneration, wind farms.
Grassland and tall herb communities	Overgrazing, recreation, stock-feeding, woodland, regeneration, bracken encroachment.
Scrub	Overgrazing, regeneration

Objective	
Habitat	Objective
Montane	Restore dwarf shrub and bryophytes to summit heaths.
Blanket mire and wet heath	Retain and enhance soil hydrology and hydrological features. Maintain and restore species composition and condition of dwarf shrub. Reduce or eliminate burning.
Dry heath	Improve condition of dry heath communities by reducing grazing pressure. Extend dwarf shrub vegetation to limit of unenclosed land. Lengthen burning rotation.
Grassland and tall herb communities	Ensure grassland communities are appropriately managed. Encourage development of a mosaic of dry heath and grasslands types.
Scrub	Encourage natural regeneration of gill woodland/serub and development of scrub adjacent to moorland and woodland edge. Restore and enhance areas of Juniper scrub.

Significance: The North Pennines Natural Area is second only to the Cumbrian Fells and Dales in terms of its range and extent of internationally rare and uncommon upland communities. As with Cumbria it is particularly important for montane communities and many of the nationally rare and scarce plant species associated with them. It is important for blanket mires (M18, M19) and species-rich flushes (M10), dry heath (especially H12) and particularly important for extensive areas of species-rich calcareous grassland (CG10). It also holds the largest extent of Juniper woodland in England.

Description: The Oswestry Uplands is one of the smallest Natural Areas and has affinities with areas in Wales. The Natural Area lies on Carboniferous rocks including limestone and millstone grits, along with coal measures and shales. The landscape is intricate and set in a complex of rolling hills and supports fragmented areas of mire and semi-natural grasslands.

Habitat	NVC present	Extent in Natural Area (1-fragmented, 2-frequent, 3-extensive)	Significance (1- internationally scarce with U.K. representation, UK-well developed in U.K. but represented elsewhere, L Widely developed in Europe)
Blanket mire and	M9	1	L
wet heath	M22	1	?
(including Bog pool and flush and valley mires).	M27	1	?
Grassland and tall	CG2	1	9
herb communities	OV38	1	?
Scrub			

Nationally Rare and Scarce Plant Species:

(Gymnocarpium robertianum, Hornungia petraea, Sorbus rupicola.)

Key Issues		
Habitat	Issue	
Small flushes and fens	Inappropriate grazing, lack of management, fragmentation and land reclamation for agriculture.	
Grassland and tall herb communities	Inappropriate grazing, lack of management, quarrying, land improved for agriculture.	
Scrub		

Objective		
Habitat	Objective	
Small flushes and fens	Maintain and enhance through appropriate management. Reduce fragmentation through habitat restoration.	
Grassland and tall herb communities	Maintain and enhance through appropriate management.	
Scrub	Encourage gill woodland and scrub/woodland regeneration on land of low conseravtion interest.	

Significance: This Natural Area does not hold significant areas of internationally and nationally important upland communities.

Description: The Shropshire Hills Natural Area lies between the Midlands Plain to the east and the Welsh hills to the west. It has a more varied geology than any other area of comparable size in Britain which includes volcanic and sedimentary rocks. The latter have given rise to the characteristic hog-back hills and deeply dissected moorland plateau of Long Mynd. The Shropshire Hills hold extensive tracts of moorland and other upland habitats, often showing transitions between southern lowland and northern upland types, managed within a farming regime.

Habitat	NVC present	Extent in Natural Area (1-fragmented, 2-frequent, 3-extensive)	Significance (1- internationally scarce with U.K. representation, UK - well developed in U.K. but represented elsewhere, L - Widely developed in Europe)
Blanket mire and wet heath (including Bog pool and flush and valley mires).	M6a, M6b, M6c, M6d M10 M11b M19 M20a M23 M25 M29 M32 M35 M36		I UK UK UK I I I I L L L L L
Dry heath	H8 H9 H10 H12 H18 H21a	 	I UK UK L I
Grassland and tall herb communities	U1b, U1e U4, U4a U5 U6 U20, U20c CG10	1 3 1 2 2 1	L L L I I UK
Scrub			

Nationally Rare and Scarce Plant Species: none recorded

Key Issues		
Habitat	Issue	
Blanket mire and wet heath	Inappropriate grazing, inappropriate/excessive supplementary feeding, habitat fragmentation, land reclaimed for agriculture.	
Dry heath	Inappropriate grazing, lack of burning, inappropriate/excessive supplementary feeding, habitat fragmentation, bracken invasion, land reclaimed for agriculture.	
Grassland and tall herb communities	Inappropriate grazing, habitat improvement/reclaimed for agricultural purposes.	
Scrub		

Objective	
Habitat	Objective
Blanket mire and wet heath	Enhance soil hydrology and hydrological features. Maintain and restore species composition and condition of dwarf shrub and extend dwarf shrub cover. Reduce or eliminate burning.
Dry heath	Improve condition of dry heath communities and extend dwarf shrub cover. Introduce long rotation burning to some areas. Reduce fragmentation through habitat restoration.
Grassland and tall herb communities	Ensure grassland communities are appropriately managed. Encourage development of a mosaic of dry heath and grasslands types.
Scrub	Encourage natural regeneration of gill woodland/scrub and development of scrub adjacent to moorland and woodland edge.

Significance: The most significant feature of the Shropshire Hills is the transitional mix of upland and lowland dry heath communities (H8, H9, H12, H18, H21), managed within the upland sheep regime. U4, U6 and U20 are also frequent.

Description: The Southern Pennines Natural Area is that part of the Pennines chain found between the Yorkshire Dales and the Peak District. The Millstone Grit series of coarse pebbly gritstones with finer grained flagstones gives the rock outcrops of this area their typical profile. The landscape is characterised by deeply incised river valleys and flat moorland plateaux which reach their highest point at 517 metres at Lad Law above Colne.

Habitat	NVC present	Extent in Natural Area (1-fragmented, 2-frequent, 3-extensive)	Significance (1- internationally scarce with U.K. representation, UK-well developed in U.K. but represented elsewhere, L- Widely developed in Europe)
Blanket mire and	M2b]	L
wet heath	M3	2	L
(including Bog	M6a, M6c	2	Ĭ
pool and flush &	M10	2	UK
valley mires)	M19b	3	UK
	M20a, M20b	3	UK
	M25, M25b	2	Ι
Dry heath	H9a, H9b, H9c, H9e	3	UK
	H12a	2	UK
	H18c	?	L
	СG9b	1	Ι
Grassland and tall	U2	2	L
herb communities	U4b	2	L
	U5d	2	L
	U6	1 3	I
Scrub	U20, U20a, U20c	2	1

Nationally Rare and Scarce Plant Species: None recorded

Key Issues		
Habitat	Issue	
Blanket mire and wet heath	Windfarms, access and recreation, gripping and burning.	
Dry heath	Inappropriate grazing, burning, farm abandonment, access and gripping.	
Grassland and tall herb communities	Overgrazing, bracken invasion, improvement, access and recreation.	
Scrub		

¥27.

Objective	
Habitat	Objective
Blanket mire and wet heath	Retain and enhance soil hydrology and hydrological features. Restore species composition and condition of dwarf shrub. Reduce or eliminate burning.
Dry heath	Improve condition of dry heath communities including range of species and structural diversity. Extend dwarf shrub vegetation to limit of unenclosed land. Lengthen burning rotation.
Grassland and tall herb communities	Ensure grassland communities are appropriately managed. Encourage development of a mosaic of dry heath and grasslands types.
Scrub	Encourage natural regeneration of gill woodland/scrub and development of scrub adjacent to moorland and woodland edge.

Significance: The Southern Pennines are of particular importance for their northern blanket bogs (nearing the edge of their range in the south) and dry heaths. They hold extensive areas of M19 and M20 along with large areas of the upland heathlands H9 and H12.

Description: This Natural Area lies between the Cheshire Plain to the west and the outcropping limestone of the White Peak to the east. The geology is of Carboniferous millstone grit and coal measures. The landscape character is of open moorland separated by small, enclosed rush pastures and improved grasslands. The moorland holds blanket mire and dry heath.

Habitat	NVC present	Extent in Natural Area (1-fragmented, 2-frequent, 3-extensive)	Significance (1- internationally scarce with U.K. representation, UK-well developed in U.K. but represented elsewhere, L Wittely developed in Europe)
Blanket mire and	М2Ъ	1	L
wet heath	M3	1	L
(including Bog	M4	1	L
pool and flush	M6c, M6d, M6a, M6b	3	I
and valley	M9	1	L
mires).	M10a	1	UK
	M15a, M15b, M15d	1?	UK
	M16		I UK
	M19, M19a, M19b	3	UK
	M20, M20a, M20b M21b	5	L
	M210 M23a, M23b		I
	M25b	2	Î
	M26b	1	Ī
Dry heath	H8	1	I
	H9, H9a, H9b, H9c	3	UK
	H12,	2 2	UK L
	H18	2	L
Grassland and	U2	2	L
tall herb	U4, U4a, U4b	3	L
communities	U5, U5a, U5b, U5c	2	L
	U6a, U6c U20, U20a, U20b, U20c	2 3	I
Scrub			

Nationally Rare and Scarce Plant Species:

Myosotis stolonifera.

(Trichomanes speciosum.)

Key Issues	
Habitat	Issue
Blanket mire and wet heath	Overgrazing, drainage, burning, improvement.
Dry heath	Bracken encroachment, overgrazing, burning.
Grassland and tall herb communities	Improvement, liming.
Scrub	

11.94

Objective	
Habitat	Objective
Blanket mire and wet heath	Enhance soil hydrology and hydrological features. Maintain and restore species composition and condition of dwarf shrub. Reduce or eliminate burning.
Dry heath	Reduce fragmentation through habitat creation. Encourage development of mature heather and extend cover of dwarf shrub to limit of unenclosed land.
Grassland and tall herb communities	Introduce appropriate grazing management and reduce invasive species.
Scrub	Encourage natural regeneration of gill woodland/scrub and development of scrub adjacent to moorland and woodland edge.

Significance: Although the extensive blanket bogs are largely of the degraded, species-poor form (M20), the South West Peak is notable for its extensive dry heath (H9, H12 and H18).

Description: The Staffordshire uplands occupy the undulating, rising ground between the upper Trent Valley and the Pennines of the South West Peak. The Natural Area is located on the Carboniferous coal measures which are sandwiched between sandstones and millstone grits. The low-lying hills support areas of dry heathland and blanket bog.

Habitat	NVC present	Extent in Natural Area (1-fragmented: 2-frequent: 3- extensive)	Significance (1- internationally scarce with U.K. representation, UK -well developed in U.K. but represented elsewhere, L. Widely developed in Europe)
Blankct mire and wet heath (including Bog pool and flush and valley mires).	M6c M15 M16 M19 M20 M25	2 2 2 3 2 2	I UK I UK UK I
Dry heath	Н8 Н9а, Н9е	3	I UK
Grassland and tall herb communities	U4a, U4b U5	3 2	L L
Scrub			

Nationally Rare and Scarce Plant Species: None recorded

Key Issues		
Habitat	Issue	
Blanket mire and wet heath	Inappropriate grazing, scrub invasion.	
Dry heath	Inappropriate grazing & burning, land reclamation for agriculture, scrub and bracken invasion, habitat fragmentation.	
Grassland and tall herb communities	Grazing and stock type, scrub and bracken	
Scrub	invasion.	

х¹, 1

Objective	
Habitat	Objective
Blanket mire and wet heath	Enhance soil hydrology and hydrological features. Maintain and restore species composition and condition of dwarf shrub. Reduce or eliminate burning.
Dry heath	Reduce fragmentation through habitat creation. Encourage development of mature heather and extend cover of dwarf shrub to limit of unenclosed land.
Grassland and tall herb communities	Introduce appropriate grazing management and reduce invasive species.
Scrub	Encourage natural regeneration of gill woodland/scrub and development of scrub adjacent to moorland and woodland edge.

Significance: The Staffordshire uplands are important for the most southerly extensive area of northern blanket bog (M19) along with wet heath (M15, M16) and northern heath (H9).

Description: This Natural Area lies at the southern end of the Pennine chain and is mostly within the Peak District National Park. The White Peak is one of the most important exposures of Carboniferous limestone in Britain. The landscape is formed by a plateau which is dissected by numerous valleys or dales. The plateau is dominated by improved pasture with only a vestige of semi-natural heathlands remaining. The dales hold unimproved calcarcous grasslands, woodlands and limestone rivers.

Habitat	NVC present	Extent in Natural Area (1-fragmented, 2-frequent, 3- extensive)	Significance (1- internationally scarce with U.K. representation, UK-well developed in U.K. but represented elsewhere, L- Widely developed in Europe)
Dry heath	H8 H9, H9c H12]]]	I UK UK
Grassland and tall herb communities	U4b, U4c, U4e U5d CG2 CG10a, CG10b OV37 OV38 OV39	2 1 2 1 1 1 1 2	L L ? UK ? ? ?
Scrub			

Nationally Rare and Scarce Plant Species:

Potentilla crantzii.

(Carex ornithopoda, Draba muralis, Dryopteris submontana, Epipactis atrorubens, Gymnocarpium robertianum, Hornungia petraea, Minuartia verna, Potentilla neumanniana, Sesleria caerulea, Sorbus rupicola, Thlaspi caerulescens.)

Key Issues		
Habitat	Issue	
Dry heath	Overgrazing, improvement, bracken invasion, habitat fragmentation.	
Grassland and tall herb communities	Lack of management, bracken invasion, inappropriate grazing (especially undergrazing), scrub invasion, fertiliser run-off, recreational pressure.	
Scrub		

Objective	
Habitat	Objective
Dry heath	Reduce fragmentation through habitat creation. Encourage development of mature heather and extend cover of dwarf shrub to limit of unenclosed land.
Grassland and tall herb communities	Introduce appropriate grazing management and reduce invasive species.
Scrub	Encourage natural regeneration of gill woodland/scrub and development of scrub adjacent to moorland and woodland edge.

Significance: The White Peak has no significant areas of unenclosed internationally or nationally important upland communities.

Natural Area: Yorkshire Dales

••••

Description: The Yorkshire Dales are located between the Forest of Bowland and the Cumbrian Fells to the west and the Vale of York to the east. The Natural Area comprises a glaciated upland landscape of rounded hills and moors separated by broad valleys cut into the Carboniferous strata of limestone, millstone grit and shale. To the north and east the hills are blanketed by peat, forming dry heath and bog. Further south there are extensive areas of limestone grassland and pavement.

Habitat	NVC present	Extent in Natural Area (1-fragmented, 2- frequent, 3-extensive)	Significance (1- internationally scarce with U.K. representation, UK-well developed in U.K. but represented elsewhere, L- Widely developed in Europe)				
Montane	U7 H18c H19 U17	1 1 1	L L L L				
Blanket mire and wet heath (including Bog Pool and flush & walley mires)M3 M4 M6, M6a, M6c, M6d M9 M10, M10b M17 M18b M19a, M19b, M19c M20, M20a, M20b M23 M25, M25b M26 M27 M32 M37		1 1 2 1 1 2 3 3 2 1 1 1 1 1 1	L L I UK I UK UK I I I I L L L				
Dry heath	H9, H9c H12a	2 2	UK UK				
Grassland and tall herb communities	U2 U4a, U4b, U4d U4e U5a, U5b, U5d, U5e U6 U19 U20, U20c U21 OV37 OV38 OV39 OV40 CG9a, CG9b, CG9c CG10a MG10	1 3 3 2 1 2 1 2 2 2 2 2 2 2 2 2 3	L L L I L ? ? ? ? ? ! L UK ?				
Scrub	W19a		L				

Nationally Rarc and Scarce Plant Species: Alchemilla glomerulans, A.minima*, A.wichurae, Arenaria norvegica anglica*, Bartsia alpina, Carex capillaris, Circaea alpina, Dryas octopetala, Euphrasia rostkoviana, Juncus alpinoarticulatus, Ledum palustre groenlandicum, Myosotis stolonifera, Poa alpina, Polygala amarella, Potentilla crantzii, Saxifraga hirculus*, Sedum villosum.

(Actaea spicata, Alchemilla glaucescens, Cardamine impatiens, Carex ornithopoda, Crepis mollis, Draba muralis, Dryopteris submontana, Equisetum pratense, Epipactis atrorubens, Equisetum variegatum, Gymnocarpium robertianum, Hornungia petraea, Minuartia verna, Orobanche alba, Polygonatum odoratum, Primula farinosa, Ribes spicatum, Sesleria caerulea, Sorbus rupicola, Thlaspi caerulescens.)

Key Issues						
Habitat	Issue					
Montane	Overgrazing, pollution					
Blanket mire and wet heath	Overgrazing, drainage, pollution					
Dry heath	Overgrazing, burning, drainage, improvement					
Grassland and tall herb communities	Removal of rock from pavements, quarrying, overgrazing (including rabbits), improvement.					
Scrub						
Objective						
Habitat	Objective					
Montane	Restore dwarf shrub and bryophyte cover to summit heaths and reduce grazing pressure.					
Blanket mire and wet heath	Enhance soil hydrology and hydrological features. Maintain and restore species composition and condition of dwarf shrub. Reduce or eliminate burning and grazing.					
Dry heath	Encourage development of mature heather and extend cover of dwarf shrub to limit of unenclosed land.					
Grassland, tall herb communities and limestone pavement	Maintain and enhance species-rich grasslands. Ensure no further loss of pavement, enhance through positive management and appropriate grazing management.					
Scrub	Encourage natural regeneration of gill woodland/scrub and development of scrub adjacent to moorland and woodland edge.					

Significance: The Yorkshire Dales has a wide range of important plant communities. The highest hills support small areas of montane vegetation, including communities that are probably at their most southerly location in England (H19, U7 and U17). There are also extensive areas of northern blanket bog (M19, M20) and dry heath (H9, H12) along with large allotments supporting the internationally important M23. That part of the Natural Area in Craven is important for areas of calcareous grassland (CG9 at the southern limit of its range, and CG10) and its limestone pavements. A large number of nationally scarce plants are associated with these communities.

Appendices

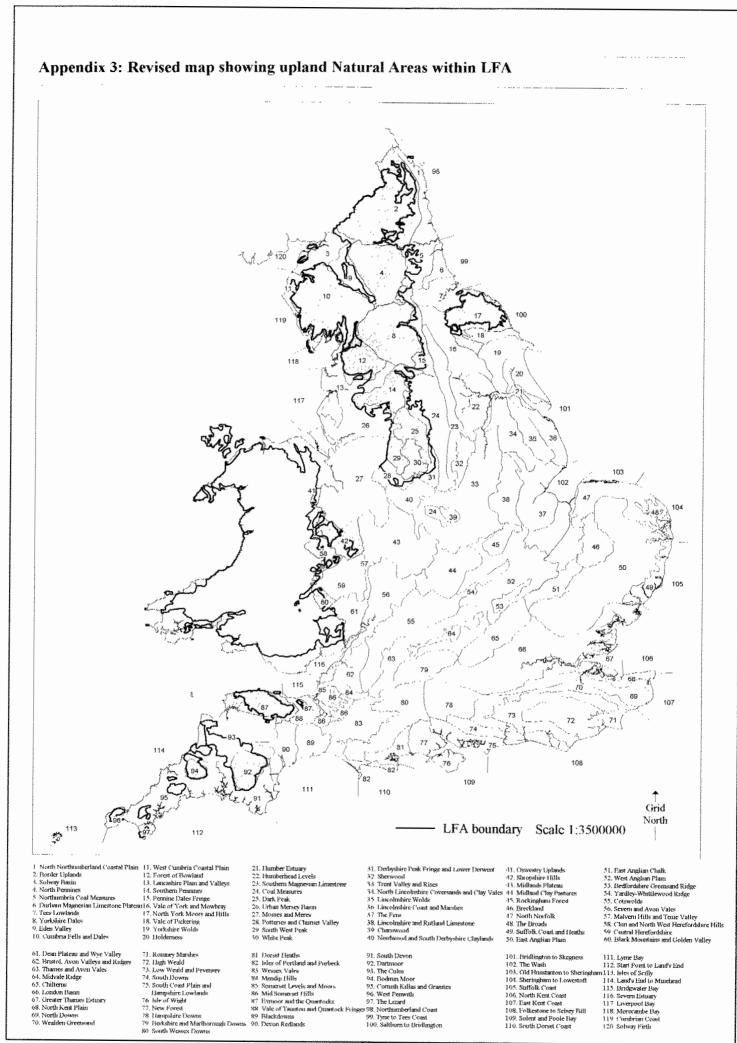
MONTANE	H13 H18 H19 H22	Also submontane
	M7 M8 M31 M32	Also submontane Also submontane
	U7 U10 U13 U15 U17	Largely montane Largely montane Largely montane in England Largely montane in England
	CG11 CG14	
DRY HEATH	H4 H8 H9 H10 H12 H16 H18 H21	Also montane
GRASSLAND, FERN AND ROCK COMMUNITIES	U1 U2 U3 U4 U5 U6 U16 CG2 CG9 CG10 OV37 MG10	
Fern communities	U19 U20 U21	
Rock communities	OV38 OV39 OV40	

Appendix 1: UPLAND NVC COMMUNITIES IN ENGLAND

]
MIRES	Blanket Mires	M17	
		M18	
		M19	
		M20	
	Wet heaths	M15	
	wor notitis	M16	
	Bog pools	M1	
		M2	
		M3	
	Small sedge &	M4	
	bryophyte fens	M5	
	oryophyte tens	M6	
		M9	
		MIO	
		MII	
		MI3	
	Valley mire	M21	
	Molinia and Juncus	M22	
	fens	M23	
		M25	
		M26	
	Tall-herb fen	M27	
	Springs, flushes and	M29	
	soakways	M31	Also montane
	-	M32	Also montane
		M35	
		M37	
		M38	
SCRUB		W19	
		W20	

APPENDIX 2: NATIONALLY RARE AND SCARCE UPLAND PLANTS IN ENGLAND

. /		Upland	Red	BAP	Bord		York			Osw	Wht	SW		Bow	
		species	Data		Upld	Pen.		moor	moor		Peak	Peak	Peak	Fell	Fell
Actaea spicata	Baneberry		1.			<u> </u>	У	<u> </u>		<u> </u>			·	<u> </u>	y y
Ajuga pyramidalis	Pyramidal Bugle	Y	04						ļ	<u> </u>					<u> </u>
Alchemilla glaucescens Alchemilla glomerulans	Lady's Mantle		21				? v								+
Alchemilla gracilis	Lady's Mantle Lady's Mantle	y v	22		<u>y</u> ?	У	<u> </u>								
Alchemilla minima	Lady's Mantle	y v	22	y			y								+
Alchemilla wichurae	Lady's Mantle	y V	22	<u> </u>		v	v v	†	<u> </u>						v
Allium schoenoprasum	Chives	<u> </u>			v	 Y	_ y	<u> </u>							<u>y</u>
Alopecurus borealis	Alpine Foxtail	У			v	v		<u> </u>		<u> </u>					
Arenaria norvegica anglica		v	14	v			v	<u> </u>					1		-
Asplenium septentrionale	Forked Spleenwort					У	-	y							y
Bartsia alpina	Alpine Bartsia	У	43			У	У		[y
Betula nana	Dwarf Birch	У			У	У									
Cardamine impatiens	Narrow-leaved Bitter-cre						<u>y</u>								У
Carex atrata	Black Alpine Sedge	У							<u> </u>						У
Carex capillaris	Hair Sedge	У				<u> </u>	У								?
Carex ericetorum	Rare Spring Sedge					у		<u> </u>							<u>y</u>
Carex magellanica	Tall Bog Sedge	уу			У	у									У
Carex ornithopoda	Bird's-foot Sedge		74			?	У				У				y y
Cerastium alpinum Circaea alpina	Alpine Mouse-ear Alpine Enchanter's Nigh	У													y V
Circaea alpina Crepis mollis	Alpine Enchanter's Nigh Northern Hawk's-beard	У			- V	<u>y</u> v	y v								y v
Diphasiastrum complanat	Issler's Clubmoss	у			У.	_ <u>y</u>	y y								
Draba muralis	Wall Whitlowgrass	<u> </u>		1			y				v				
Dryas octapetala	Mountain Avens	У		1		V	y	-			1		1		v
Dryopteris submontana	Fraser-Jenkins Rigid Bu		1	1		Ŷ	v				٧			v	Ý
Epipactis atrorubens	Dark-red Helleborine					Ý	y				ý				y
Equisetum pratense	Shade Horsetail					y	y		1						
Equisetum variegatum	Variegated Horsetail				У	У	У								?
Euphrasia frigida	Eyebright	у			У				L						У
Euphrasia ostenfeldii	Eyebright	У						10							У
Euphrasia rivularis	Snowden Eyebright	<u>у</u>	42	У				ļ							<u>y</u>
A	Eyebright	У			У	У	У				·····			have been	<u> </u>
Euphrasia vigursii	Eyebright	У	42	<u> </u>	·			у							
Gentiana verna	Spring Gentian		36	<u>У</u>		У				v					
Gymnocarpium robertianu Hammarbya paludosa	Bog Orchid			v	v	y y	у	у		У	У				y y
Helianthemum canum	Hoary Rock-rose	PAL /		<u> </u>	y	y 		y				·			y y
Hornungia petraea	Hutchinsea					<u>y</u>	Y	· · ·		v	Y				v
Juncus alpinoarticulatus	Alpine Rush	y		-		y	y y						†		
Koebresia simpliciuscula	False Sedge	y V	73			y							:		
Lychnis alpina	Alpine Campion	y	10	y		·									y.
Lycopodiella innundata	Marsh Clubmoss			ý				у							y
Lycopodium annotinum	Interrupted Clubmoss	у												.,,	y
Minuartia stricta	Teesdale Sandwort	у	13	У		У									
Minuartia verna	Spring Sandwort				У	У	У				у				у
Myosotis alpestris	Alpine Forget-me-not	у	38	у		У									
Myosotis stolonifera	Pale Forget-me-not	уу			y y	У	У					У	-		<u>y</u>
Orobanche alba	Thyme Broomrape				+		у				00.04				
Phleum alpinum	Alpine Cat's-tail	у				У									<u>y</u>
Poa alpina Poa glauca	Alpine Meadow-grass Glaucous Meadow-gras	. <u> y</u>		-		<u>y</u>	У								y V
Polygala amara	Bitter Milkwort	y v	8		1	v	У								y y
	Angular Solomon's-seal	У	0			y	<u>у</u> У							~~·	y y
Potentilla crantzii	Alpine Cinquefoil	У		ALL 197		У	y y				v				y y
Potentilla fruticosa	Shrubby Cinquefoil	y y	21	v		y y							1		y
Primula farinosa	Bird's-eye Primrose					y	у						-	У	y y
Ribes spicatum	Downy Currant					y j	y								y
Salix lapponum	Downy Willow	у									5.1 / U.S.			AL 1 101	У
Saxigraga hirculus	Yellow Bog Saxifrage		25	У		У	У						1		
Saxifraga nivalis	Alpine Saxifrage	У				У.									У
Sedum villosum	Hairy Stonecrop	У			У	У	_у_								r
	Blue Moor-grass				у у	y	_у				у				У
	Rock Whitebeam					<u> </u>	у.		у	_y_	У				У.
	Irish Lady's-tresses	у			+			у							
	Alpine Penny-cress		-		?	у	У				_у				
Trichomanes speciosum	Killarney Fern			У									У.		У
Viola rupestris	Teesdale Violet	Y	7		{ !	y	:						1 1		



Based upon the Ordnance Survey 1 10000 maps with permission of the Controller of Her Majesty's Stationary Office. © Crown Copyright

Produced by English Nature, Northminster House, Peterborough PE1 IUA.