

Table 3: NVC Quadrat Data Sample

Location	Quadrat No.	Notes	UKHab	Mosaic community	NVC	Scientific Name	Cover DOMIN
288117 708149	1	Arrhenatherum eliatum dominated road verge with much raspberry and scattered fern and gorse.	g3c5	Homogenous	MG1a	Arrhenatherum elatius	7
						Stellaria graminea	5
						Agrostis capillaris	4
						Anthoxanthum odoratum	4
						Rubus idaeus	4
						Galium verum	4
						Lotus corniculatus	4
						Rumex acetosa	2
						Campanula rotundifolia	1
						Lathyrus pratensis	1
						Achillea millefolium	1
288114 708129	2	Tall herb community along roadside, dominated by Arrhenatherum eliatum, Cirsium vulgare, Filipendula ulmaria, Angelica sylvestris and Rubus fruticosus. Occasional tree along fenceline.	g3c	Homogenous	OV24b	Rubus fruticosus	5
						Filipendula ulmaria	5
						Arrhenatherum elatius	5
						Angelica sylvestris	5
						Galium aparine	5
						Dactylis glomerata	4
						Urtica dioica	4
						Cirsium palustre	4
						Lotus corniculatus	3
						Rubus idaeus	3
						Geranium robertianum	2
288108 708510	4	Mainly beech and hawthorn in planted belt by motorway. Trees to 6m. Ground	w1g	Homogenous	W10	Holcus mollis	8
						Crataegus monogyna	8
						Fagus sylvatica	6

Location	Quadrat No.	Notes	UKHab	Mosaic community	NVC	Scientific Name	Cover DOMIN
		layer sparse with <i>Holcus mollis</i> and scattered raspberry and bramble.				<i>Rubus fruticosus</i>	4
						<i>Salix sp.</i>	4
288792 700991	12	Species poor grassland dominated by both <i>Juncus squarrosus</i> and <i>Nardus stricta</i> with numerous other acid grassland species in the sward, including <i>Galium saxatile</i> and <i>Potentilla erecta</i> in the ground layer above pleurocarpous mosses. Probably halfway between a damp U5b and wetter U6d. See also Quadrats 18 and 77.	g1b6	Homogenous	U5b	<i>Juncus squarrosus</i>	6
						<i>Nardus stricta</i>	6
						<i>Rhytidiadelphus squarrosus</i>	6
						<i>Avenella flexuosa</i>	5
						<i>Pleurozium schreberi</i>	5
						<i>Polytrichum commune</i>	5
						<i>Galium saxatile</i>	5
						<i>Vaccinium myrtillus</i>	4
						<i>Potentilla erecta</i>	4
						<i>Festuca rubra</i>	4
						<i>Anthoxanthum odoratum</i>	4
						<i>Festuca ovina</i>	4
						<i>Molinia caerulea</i>	2
						<i>Calluna vulgaris</i>	2
						<i>Luzula multiflora</i>	1
286257 706274	24	Modified grassland with thistles and rushes scattered throughout.	g3c	Homogenous	MG6b	<i>Trifolium repens</i>	7
						<i>Holcus lanatus</i>	6
						<i>Agrostis capillaris</i>	6
						<i>Veronica chamaedrys</i>	5
						<i>Ranunculus repens</i>	5
						<i>Lolium perenne</i>	4
						<i>Festuca rubra</i>	4
						<i>Poa trivialis</i>	4
						<i>Cirsium arvense</i>	1
	25		g1c	Homogenous	U20a	<i>Pteridium aquilinum</i>	10

Location	Quadrat No.	Notes	UKHab	Mosaic community	NVC	Scientific Name	Cover DOMIN
286014 706457		Bracken community with continuous grassy understory.				<i>Festuca rubra</i>	7
						<i>Holcus lanatus</i>	6
						<i>Agrostis capillaris</i>	4
						<i>Poa trivialis</i>	2
						<i>Potentilla erecta</i>	2
286266 705871	26	Herb rich neutral grassland with much <i>Holcus lanatus</i> , <i>Festuca rubra</i> and <i>Agrostis capillaris</i> and many legumes, <i>Veronica chamaedrys</i> , <i>Stellaria graminea</i> . Fits a damp MG1 but no <i>Arrhenatherum eliatum</i> or a species poor MG5 with no <i>Cynosurus cristatus</i> , probably a damp area heavily managed for grazing favouring palatable grasses over herbs.	g3c	Transitional	MG6	<i>Festuca rubra</i>	7
						<i>Lotus corniculatus</i>	6
						<i>Vicia cracca</i>	6
						<i>Vicia sepium</i>	6
						<i>Holcus lanatus</i>	5
						<i>Agrostis capillaris</i>	5
						<i>Cerastium fontanum</i>	4
						<i>Rumex acetosa</i>	2
						<i>Lotus pedunculatus</i>	2
285336 705118	30	Dry heath along roadsides with much <i>Vaccinium myrtillus</i> / <i>vitis-idaea</i> and <i>Erica cinerea</i> with young trees (rowan and birch) planted throughout, some trees dead.	h1b5	Homogenous	H12a	<i>Calluna vulgaris</i>	9
						<i>Hypnum jutlandicum</i>	8
						<i>Vaccinium myrtillus</i>	5
						<i>Pleurozium schreberi</i>	5
						<i>Erica cinerea</i>	4
						<i>Molinia caerulea</i>	4
285644 705183	36	Wet heath in forest ride.	h1b6	Homogenous	M15b	<i>Calluna vulgaris</i>	8
						<i>Pleurozium schreberi</i>	8
						<i>Molinia caerulea</i>	6
						<i>Vaccinium myrtillus</i>	5
						<i>Juncus squarrosus</i>	3
						<i>Luzula multiflora</i>	2
	37		g1b6	Homogenous	M25b	<i>Molinia caerulea</i>	9

Location	Quadrat No.	Notes	UKHab	Mosaic community	NVC	Scientific Name	Cover DOMIN
285748 705282		<i>Molinia caerulea</i> grassland in pasture with few mire or heath species present.				<i>Hylocomium splendens</i>	8
						<i>Potentilla erecta</i>	7
						<i>Avenella flexuosa</i>	4
285813 705241	38	Soggy area with dominant Rushes. MG10 with <i>Juncus effusus</i> and <i>Holcus lanatus</i> with much <i>Deschampsia cespitosa</i> scattered throughout. Mix of the more acidic M23 (sometimes <i>Juncus acutiflorus</i> dominant) and neutral MG10 where enrichment is seeping in due to sheep.	g3c8	Homogenous	MG10a	<i>Juncus acutiflorus</i>	8
						<i>Holcus lanatus</i>	7
						<i>Lathyrus pratensis</i>	4
						<i>Juncus effusus</i>	4
						<i>Cirsium palustre</i>	4
						<i>Rumex acetosa</i>	3
						<i>Anthoxanthum odoratum</i>	2
						<i>Lotus corniculatus</i>	2
						<i>Equisetum palustre</i>	1
286000 705221	39	Mixed grassland with tall herbs around farm infrastructure, including fences, walls and a barn with a corrugated iron roof	g3c	Part of Mosaic: OV25a/MG6b/O V24a	OV24a	<i>Urtica dioica</i>	8
						<i>Rumex obtusifolius</i>	5
						<i>Deschampsia cespitosa</i>	4
						<i>Cirsium arvense</i>	4
						<i>Holcus lanatus</i>	4
						<i>Juncus effusus</i>	3
286062 705013	40	<i>Juncus acutiflorus</i> rush pasture with herby understory, thistle scattered through area and <i>Holcus lanatus</i> starts to become frequent in sward on higher ground.	f2b	Homogenous	M23a	<i>Juncus acutiflorus</i>	9
						<i>Rumex acetosa</i>	8
						<i>Holcus lanatus</i>	4
						<i>Cirsium palustre</i>	4
						<i>Epilobium palustre</i>	4
						<i>Cardamine pratensis</i>	2
						<i>Galium palustre</i>	2
						<i>Achillea ptarmica</i>	1

Location	Quadrat No.	Notes	UKHab	Mosaic community	NVC	Scientific Name	Cover DOMIN
						<i>Equisetum palustre</i>	1
285700 704763	42	Patch dominated by <i>Deschampsia cespitosa</i> with <i>Cirsium arvense</i> and smaller neutral herbs scattered through in forest ride.	g3c7	Homogenous	MG9a	<i>Deschampsia cespitosa</i>	9
						<i>Cirsium palustre</i>	4
						<i>Galium verum</i>	4
						<i>Juncus effusus</i>	4
						<i>Carex nigra</i>	4
						<i>Achillea ptarmica</i>	3
						<i>Lathyrus pratensis</i>	3
						<i>Rumex acetosa</i>	2
						<i>Ranunculus repens</i>	1
						<i>Galium palustre</i>	1
285657 704715	44	Acid grassland with mixture of acid and neutral grass and herb species.	g1b6	Homogenous	U4c	<i>Anthoxanthum odoratum</i>	6
						<i>Holcus lanatus</i>	5
						<i>Agrostis capillaris</i>	5
						<i>Festuca rubra</i>	5
						<i>Potentilla erecta</i>	4
						<i>Cirsium arvense</i>	3
						<i>Galium verum</i>	2
						<i>Veronica chamaedrys</i>	1
						<i>Viola riviniana</i>	1
285880 704419	49	Patch of nutrient enriched grassland running in patches down the hill close to watercourses. Not a good fit for any NVC - not enough <i>Deschampsia cespitosa</i> for MG9, no <i>Lolium perenne</i> or <i>Cynosurus cristatus</i> for MG6, not enough acid grass species for U4, best fit for U4b as surrounded by acid habitats.	g3c	Homogenous	U4b	<i>Holcus mollis</i>	8
						<i>Holcus lanatus</i>	4
						<i>Deschampsia cespitosa</i>	4
						<i>Rumex acetosa</i>	4
						<i>Cirsium palustre</i>	4
						<i>Ranunculus repens</i>	4
						<i>Agrostis capillaris</i>	4

Location	Quadrat No.	Notes	UKHab	Mosaic community	NVC	Scientific Name	Cover DOMIN
						<i>Cerastium fontanum</i>	1
285835 704359	50	Grassy heath dominated by <i>Vaccinium myrtillus</i> and <i>Nardus stricta</i> with much <i>Calluna vulgaris</i> scattered about. some patches of <i>Eriophorum vaginatum</i> coming through.	h1b5	Transitional	U5-H12	<i>Hylocomium splendens</i>	9
						<i>Vaccinium myrtillus</i>	8
						<i>Nardus stricta</i>	6
						<i>Potentilla erecta</i>	5
						<i>Calluna vulgaris</i>	5
						<i>Agrostis canina</i>	4
						<i>Juncus squarrosus</i>	4
						<i>Trichophorum germanicum</i>	3
						<i>Carex nigra</i>	3
						<i>Avenella flexuosa</i>	2
285728 704288	53	Acid grassland degraded from heath with <i>Calluna vulgaris</i> and <i>Vaccinium myrtillus</i> still present but grasses and hypnoid mosses dominant.	g1b6	Homogenous	U4e	<i>Avenella flexuosa</i>	8
						<i>Vaccinium myrtillus</i>	8
						<i>Galium saxatile</i>	8
						<i>Hylocomium splendens</i>	7
						<i>Pseudoscleropodium purum</i>	7
						<i>Potentilla erecta</i>	4
						<i>Polytrichum commune</i>	4
						<i>Agrostis canina</i>	4
						<i>Anthoxanthum odoratum</i>	4
						<i>Nardus stricta</i>	4
						<i>Festuca rubra</i>	3
						<i>Holcus lanatus</i>	2
285687 703853	56	Patchwork of acid grassland communities, some areas dominated by <i>Nardus stricta</i> , some a nutrient enriched patches dominated by <i>Holcus lanatus</i> and mostly a	g1b6	Part of Mosaic: U4e/U4b/U5b	U5b	<i>Nardus stricta</i>	8
						<i>Rhytidiadelphus squarrosus</i>	7
						<i>Pseudoscleropodium purum</i>	6
						<i>Vaccinium myrtillus</i>	5

Location	Quadrat No.	Notes	UKHab	Mosaic community	NVC	Scientific Name	Cover DOMIN
		heathy grassland with much hummocking of hypnoid mosses and <i>Vaccinium myrtillus</i> .				<i>Hypnum jutlandicum</i>	5
						<i>Galium saxatile</i>	5
						<i>Avenella flexuosa</i>	4
						<i>Carex nigra</i>	4
						<i>Festuca rubra</i>	4
						<i>Agrostis capillaris</i>	4
286714 703832	64	Messy transitional community with leftover bog comprised of scattered <i>Eriophorum vaginatum</i> but mostly dominated by <i>Carex nigra</i> with no <i>Sphagnum</i> and scattered rushes throughout area. Peat depth 50cm.	g1b6	Transitional	M20a-U4d	<i>Carex nigra</i>	8
						<i>Rhytidiadelphus squarrosus</i>	8
						<i>Eriophorum vaginatum</i>	5
						<i>Galium saxatile</i>	5
						<i>Pleurozium schreberi</i>	5
						<i>Polytrichum commune</i>	4
						<i>Vaccinium myrtillus</i>	4
						<i>Avenella flexuosa</i>	3
286315 704499	67	M23 type community with <i>Juncus subnodulosus</i> dominant over very species poor understory.	g1b6	Homogenous	M23a	<i>Juncus subnodulosus</i>	10
						<i>Rumex acetosa</i>	4
						<i>Holcus lanatus</i>	2
286743 703055	70	Patches of dry heath on steep slope in gully.	h1b5	Part of Mosaic: H12c/U4e	H12c	<i>Calluna vulgaris</i>	9
						<i>Hypnum jutlandicum</i>	7
						<i>Pseudoscleropodium purum</i>	5
						<i>Racomitrium lanuginosum</i>	4
						<i>Vaccinium myrtillus</i>	3
						<i>Festuca ovina</i>	2
						<i>Potentilla erecta</i>	1
286519 703425	74	<i>Juncus effusus</i> dominated damp run down-hill with <i>Sphagnum fallax</i> dominating the ground layer.	f2c	Homogenous	M6c	<i>Juncus effusus</i>	10
						<i>Sphagnum fallax</i>	9
						<i>Holcus lanatus</i>	4

Location	Quadrat No.	Notes	UKHab	Mosaic community	NVC	Scientific Name	Cover DOMIN
						<i>Carex nigra</i>	2
						<i>Carex pulicaris</i>	1
287207 700912	84	Area dominated by <i>Eriophorum vaginatum</i> with little to no <i>Sphagnum</i> and few other bog species, peat >50cm.	f1a6	Homogenous	M20a	<i>Eriophorum vaginatum</i>	8
						<i>Rhytidiadelphus squarrosus</i>	6
						<i>Polytrichum commune</i>	5
						<i>Pleurozium schreberi</i>	5
						<i>Galium saxatile</i>	5
						<i>Avenella flexuosa</i>	4
						<i>Anthoxanthum odoratum</i>	4
						<i>Juncus squarrosus</i>	2
						<i>Trichophorum germanicum</i>	2
						<i>Thuidium tamariscinum</i>	2
						<i>Aulacomnium palustre</i>	2
						<i>Vaccinium myrtillus</i>	1
						<i>Molinia caerulea</i>	1
286831 701847	86	Mosaic with M20 degraded blanket bog in lower areas where haggling/erosion has taken place. Blanket bog to damp acid grassland transition community on higher patches dominated by <i>Juncus squarrosus</i> with some bog species still present such as <i>Eriophorum vaginatum</i> and <i>Trichophorum germanicum</i> but little <i>Sphagnum</i> . In reality U6c areas are transitional between M19b and U6c, but labelled U6c here for ease as no <i>Sphagnum</i> species present.	f1a6	Transitional	M19b-U6c	<i>Rhytidiadelphus loreus</i>	8
						<i>Juncus squarrosus</i>	7
						<i>Calluna vulgaris</i>	5
						<i>Thuidium tamariscinum</i>	5
						<i>Vaccinium myrtillus</i>	4
						<i>Empetrum nigrum</i>	4
						<i>Eriophorum vaginatum</i>	4
						<i>Vaccinium vitis-idaea</i>	4
						<i>Trichophorum germanicum</i>	4
						<i>Avenella flexuosa</i>	2
	91		f1a5	Transitional	M18a-M19b	<i>Calluna vulgaris</i>	7