



West Winch Housing Access Road

Environmental Statement Chapter 8 Annex 8.2 National Vegetation Classification Survey Report: Appendix A

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1 Introduction

1.1.1 Tables 1-1,1-3,1-6, 1-9, 1-12 and 1-14 show the plant species present in each habitat area. Tables 1-2, 1-4, 1-6, 1-8, 1-10 and 1-12 show the NVC community similarity matches.



1.2 Floristic Tables

Frequency Legend:

I signifying a species present in 1-20% of samples (scarce);

II signifying a species present in 21-40% of samples (occasional);

III signifying a species present in 41-60% of samples (frequent);

IV signifying a species present in 61-80% of samples (constant); and

V signifying a species present in 81-100% of samples (constant)

Legend:

Quadrat 1 - TF6342017905

Quadrat 2 - TF6342017908

Quadrat 3 - TF6342517913

Table 1-1 – Quadrat data for area 3 grassland

Latin Name	Common Name	Quadrat 1	Quadrat 2	Quadrat 3	Frequency	Range
<i>Aegopodium podagraria</i>	Ground-elder	6	5	6	V	5-6
<i>Arrhenatherum elatius</i>	False Oat-grass	9	9	9	V	9
<i>Cirsium arvense</i>	Creeping Thistle	4	4	5	V	4-5

Latin Name	Common Name	Quadrat 1	Quadrat 2	Quadrat 3	Frequency	Range
<i>Conium maculatum</i>	Hemlock	3	3	2	V	2-3
<i>Convolvulus arvensis</i>	Field Bindweed	4	5	5	V	4-5
<i>Dipsacus fullonum</i>	Wild Teasel	2	3	2	V	2-3
<i>Ervum tetraspermum</i>	Smooth Tare	4	3	2	V	2-4
<i>Glechoma hederacea</i>	Ground-ivy	5	6	5	V	5-6
<i>Holcus lanatus</i>	Yorkshire Fog	4	2	7	V	2-7
<i>Ranunculus repens</i>	Creeping Buttercup	2	5	6	V	2-6
<i>Urtica dioica</i>	Common Nettle	5	3	4	V	3-5
<i>Dactylis glomerata</i>	Cock's-foot	0	4	1	IV	1-4
<i>Jacobaea vulgaris</i>	Common Ragwort	0	4	3	IV	3-4
<i>Lathyrus pratensis</i>	Meadow Vetchling	0	0	3	II	3

Table 1-2 – NVC community similarity matches

MATCH Coefficients	%
MG1b	42.6
MG1c	37.5



MATCH Coefficients	%
MG1	36.0
MG1d	35.4
MG1a	34.9



Table 1-3 – Quadrat data for area 4 *Calamagrostis* grassland

Legend:

Quadrat 1 - TF6391917408

Quadrat 2 - TF6391317416

Quadrat 3 - TF6390217426

Quadrat 4 - TF6388817435

Quadrat 5 - TF6387717425

Latin Name	Common Name	Quadrat 1	Quadrat 2	Quadrat 3	Quadrat 4	Quadrat 5	Frequency	Range
<i>Calamagrostis epigejos</i>	Wood Small-reed	10	10	10	9	10	V	9-10
<i>Cirsium arvense</i>	Creeping Thistle	3	5	4	5	5	V	3-5
<i>Galium aparine</i>	Cleavers	2	3	3	4	3	V	2-4
<i>Heracleum sphondylium</i>	Hogweed	5	2	1	2	4	V	1-5



Latin Name	Common Name	Quadrat 1	Quadrat 2	Quadrat 3	Quadrat 4	Quadrat 5	Frequency	Range
<i>Equisetum arvense</i>	Field Horsetail	4	3	5		3	IV	3-5
<i>Ervilla hirsuta</i>	Hairy Tare	5	3	4	2	0	IV	2-5
<i>Arrhenatherum elatius</i>	False Oat-grass	3	1	0	1	0	III	1-3
<i>Urtica dioica</i>	Common Nettle	0	0	4	6	4	III	4-6
<i>Dryopteris filix-mas</i>	Common male fern	0	3	0	0	0	I	3
<i>Eupatorium cannabinum</i>	Hemp-agrimony	0	3	0	0	0	I	3
<i>Rubus fruticosus</i> agg.	Bramble	0	0	0	0	4	I	4
<i>Senecio squalidus</i>	Oxford Ragwort	4	0	0	0	0	I	4



Table 1-4 – NVC community similarity matches

MATCH Coefficients	%
S26b	48.8
S26a	37.4
MG1b	37.0
S26	31.9
MG1c	28.7



Table 1-5 – Quadrat data for area 9 grassland

Legend

Quadrat 1 - TF6393116341

Quadrat 2 - TF6395216342

Quadrat 3 - TF6398116343

Latin Name	Common Name	Quadrat 1	Quadrat 2	Quadrat 3	Frequency	Range
<i>Alopecurus myosuroides</i>	Black-grass	3	2	2	V	2-3
<i>Arrhenatherum elatius</i>	False Oat-grass	9	10	10	V	9-10
<i>Dactylis glomerata</i>	Cock's-foot	2	1	1	V	1-2
<i>Galium aparine</i>	Cleavers	4	4	6	V	4-6
<i>Heracleum sphondylium</i>	Hogweed	7	8	8	V	7-8
<i>Holcus lanatus</i>	Yorkshire Fog	4	6	5	V	4-6
<i>Rumex obtusifolius</i>	Broad-leaved Dock	5	6	4	V	4-6
<i>Tripleurospermum inodorum</i>	Scentless Mayweed	2	3	1	V	1-3
<i>Urtica dioica</i>	Common Nettle	8	6	5	V	5-8
<i>Cirsium arvense</i>	Creeping Thistle	0	3	4	IV	3-4



Latin Name	Common Name	Quadrat 1	Quadrat 2	Quadrat 3	Frequency	Range
<i>Convolvulus arvensis</i>	Field Bindweed	0	1	3	IV	1-3
<i>Ervum tetraspermum</i>	Smooth Tare	0	2	2	IV	2
<i>Helminthotheca echioides</i>	Bristly Oxtongue	0	2	5	IV	2-5
<i>Bromus hordeaceus</i>	Soft-brome	3	0	0	I	3
<i>Calystegia sepium</i>	Hedge Bindweed	3	0	0	I	3
<i>Festuca rubra</i>	Red Fescue	0	0	3	I	3
<i>Geranium dissectum</i>	Cut-leaved Crane's-bill	0	2	0	I	2
<i>Ranunculus acris</i>	Meadow Buttercup	2	0	0	I	2
<i>Sonchus oleraceus</i>	Smooth Sow-thistle	0	0	2	I	2
<i>Veronica persica</i>	Common Field-speedwell	0	0	4	I	4
<i>Vicia sativa</i>	Common Vetch	1	0	0	I	1



Table 1-6 – NVC community similarity matches

MATCH Coefficients	%
MG1b	46.9
MG1c	43.2
MG1	38.2
MG1a	37.4
MG1d	32.2



Table 1-7 – Quadrat data for area 10 grassland

Legend

Quadrat 1 - TF6375316166

Quadrat 2 - TF6373816163

Quadrat 3 - TF6371216154

Latin Name	Common Name	Quadrat 1	Quadrat 2	Quadrat 3	Frequency	Range
<i>Arrhenatherum elatius</i>	False Oat-grass	10	9	9	V	9-10
<i>Heracleum sphondylium</i>	Hogweed	4	3	4	V	3-4
<i>Holcus lanatus</i>	Yorkshire Fog	6	7	9	V	6-9
<i>Armoracia rusticana</i>	Horse-radish	4	3		IV	3-4
<i>Festuca rubra</i>	Red Fescue	0	7	3	IV	3-7
<i>Urtica dioica</i>	Common Nettle	0	4	5	IV	4-5
<i>Achillea millefolium</i>	Yarrow	4	0	0	II	4
<i>Agrostis capillaris</i>	Common Bent	3	0	0	II	3
<i>Cerastium fontanum</i>	Common Mouse-ear	2	0	0	II	2
<i>Cirsium arvense</i>	Creeping Thistle	3	0	0	II	3
<i>Dactylis glomerata</i>	Cock's-foot	0	0	4	II	4



Table 1-8 – NVC Community similarity matches

MATCH Coefficients	%
MG1b	58.0
MG9b	47.7
MG1a	46.1
MG1c	42.9
MG1	41.9



Table 1-9 – Quadrat data for area 10 grassland

Legend

Quadrat 1 - TF6375316166

Quadrat 2 - TF6373816163

Quadrat 3 - TF6371216154

Latin Name	Common Name	Quadrat 1	Quadrat 2	Quadrat 3	Frequency	Range
<i>Arrhenatherum elatius</i>	False Oat-grass	10	9	9	V	9-10
<i>Heracleum sphondylium</i>	Hogweed	4	3	4	V	3-4
<i>Holcus lanatus</i>	Yorkshire Fog	6	7	9	V	6-9
<i>Armoracia rusticana</i>	Horse-radish	4	3	0	IV	3-4
<i>Festuca rubra</i>	Red Fescue	0	7	3	IV	3-7
<i>Urtica dioica</i>	Common Nettle	0	4	5	IV	4-5
<i>Achillea millefolium</i>	Yarrow	4	0	0	II	4
<i>Agrostis capillaris</i>	Common Bent	3	0	0	II	3
<i>Cerastium fontanum</i>	Common Mouse-ear	2	0	0	II	2
<i>Cirsium arvense</i>	Creeping Thistle	3	0	0	II	3
<i>Dactylis glomerata</i>	Cock's-foot	0	0	4	II	4



Table 1-10 – NVC community similarity matches

MATCH Coefficients	%
MG1b	58.0
MG9b	47.7
MG1a	46.1
MG1c	42.9
MG1	41.9

Table 1-11 – Quadrat data for area 11 grassland

Legend

Quadrat 1 - TF6377515584

Quadrat 2 - TF6373215573

Quadrat 3 - TF6368815564

Latin Name	Common Name	Quadrat 1	Quadrat 2	Quadrat 3	Frequency	Range
<i>Achillea millefolium</i>	Yarrow	5	6	7	V	5-7
<i>Arrhenatherum elatius</i>	False Oat-grass	9	6	7	V	6-9
<i>Dactylis glomerata</i>	Cock's-foot	2	3	5	V	2-5
<i>Heracleum sphondylium</i>	Hogweed	7	7	5	V	5-7
<i>Lolium perenne</i>	Perennial Rye-grass	4	6	7	V	4-7
<i>Rumex obtusifolius</i>	Broad-leaved Dock	4	2	2	V	2-4
<i>Artemisia vulgaris</i>	Mugwort	3	0	4	IV	3-4
<i>Elymus repens</i>	Common Couch	4	6	0	IV	4-6
<i>Festuca rubra</i>	Red Fescue	0	5	2	IV	2-5
<i>Lamium album</i>	White Dead-nettle	2	4	0	IV	2-4
<i>Plantago lanceolata</i>	Ribwort plantain	0	1	5	IV	1-5



Latin Name	Common Name	Quadrat 1	Quadrat 2	Quadrat 3	Frequency	Range
<i>Polygonum aviculare</i>	Knotgrass	1	0	1	IV	1
<i>Silene latifolia</i>	White Campion	3	4	0	IV	3-4
<i>Veronica persica</i>	Common Field-speedwell	2	3	0	IV	2-3
<i>Anisantha sterilis</i>	Barren Brome	1	0	0	II	1
<i>Anthriscus sylvestris</i>	Cow Parsley	2	0	0	II	2
<i>Bromus hordeaceus</i>	Soft-brome	0	2	0	II	2
<i>Centaurea nigra</i>	Common Knapweed	1	0	0	II	1
<i>Chenopodium album</i>	Fat Hen	1	0	0	II	1
<i>Ranunculus repens</i>	Creeping Buttercup	0	0	4	II	4
<i>Galium aparine</i>	Cleavers	4	0	0	II	4
<i>Geranium molle</i>	Dove's-foot Crane's-bill	0	2	0	II	2
<i>Glechoma hederacea</i>	Ground-ivy	3	0	0	II	3
<i>Jacobaea vulgaris</i>	Common Ragwort	2	0	0	II	2
<i>Papaver rhoeas</i>	Common Poppy	1	0	0	II	1
<i>Phleum pratense</i>	Timothy	0	0	4	II	4



Latin Name	Common Name	Quadrat 1	Quadrat 2	Quadrat 3	Frequency	Range
<i>Plantago major</i>	Greater Plantain	0	0	3	II	3
<i>Poa annua</i>	Annual Meadow-grass	0	1	0	II	1
<i>Potentilla reptans</i>	Creeping Cinquefoil	0	0	5	II	5
<i>Rubus fruticosus</i> agg.	Bramble	6	0	0	II	6
<i>Rumex acetosella</i>	Sheep's Sorrel	4	0	0	II	4
<i>Sonchus oleraceus</i>	Smooth Sow-thistle	2	0	0	II	2
<i>Taraxacum officinale</i> agg.	Dandelion	0	0	2	II	2
<i>Tragopogon pratensis</i>	Goat's-beard	3	0	0	II	3



Table 1-12 – NVC community similarity matches

MATCH Coefficients	%
MG1a	48.9
MG1b	47.5
MG1	47.1
MG1c	40.5
MG1d	38.7



Table 1-13 – Quadrat data for area 12 grassland

Legend

Quadrat 1 - TF6359215010

Quadrat 2 - TF6360715011

Quadrat 3 - TF6363515099

Latin Name	Common Name	Quadrat 1	Quadrat 2	Quadrat 3	Frequency	Range
<i>Arrhenatherum elatius</i>	False Oat-grass	10	10	10	V	10
<i>Dactylis glomerata</i>	Cock's-foot	6	5	5	V	5-6
<i>Elymus repens</i>	Common Couch	4	5	5	V	4-5
<i>Heracleum sphondylium</i>	Hogweed	6	4	5	V	4-6
<i>Holcus lanatus</i>	Yorkshire Fog	5	5	3	V	3-5
<i>Cirsium arvense</i>	Creeping Thistle	6	0	4	IV	4-6
<i>Equisetum arvense</i>	Field Horsetail	0	4	4	IV	4
<i>Tragopogon pratensis</i>	Goat's-beard	1	2	0	IV	1-2
<i>Anisantha sterilis</i>	Barren Brome	0	2	0	II	2
<i>Avena sp.</i>	Oat	0	3	0	II	3
<i>Ophrys apifera</i>	Bee Orchid	0	0	2	II	2

Latin Name	Common Name	Quadrat 1	Quadrat 2	Quadrat 3	Frequency	Range
<i>Convolvulus arvensis</i>	Field Bindweed	2	0	0	II	2
<i>Epilobium</i> sp.	Willowherb	0	1	0	II	1
<i>Festuca rubra</i>	Red Fescue	3	0	0	II	3
<i>Galium aparine</i>	Cleavers	0	0	4	II	4
<i>Geranium dissectum</i>	Cut-leaved Crane's-bill	0	2	0	II	2
<i>Papaver rhoeas</i>	Common Poppy	0	1	0	II	1
<i>Plantago lanceolata</i>	Ribwort Plantain	3	0	0	II	3
<i>Tripleurospermum inodorum</i>	Scentless Mayweed	0	4	0	II	4



Table 1-14 – NVC community similarity matches

MATCH Coefficients	%
MG1b	56.2
MG1a	49.5
MG1c	47.0
MG1	45.4
MG9b	38.0