



**Devon
Local Nature
Partnership**

Devon Nature Recovery Network

Further information on habitats

Prepared by

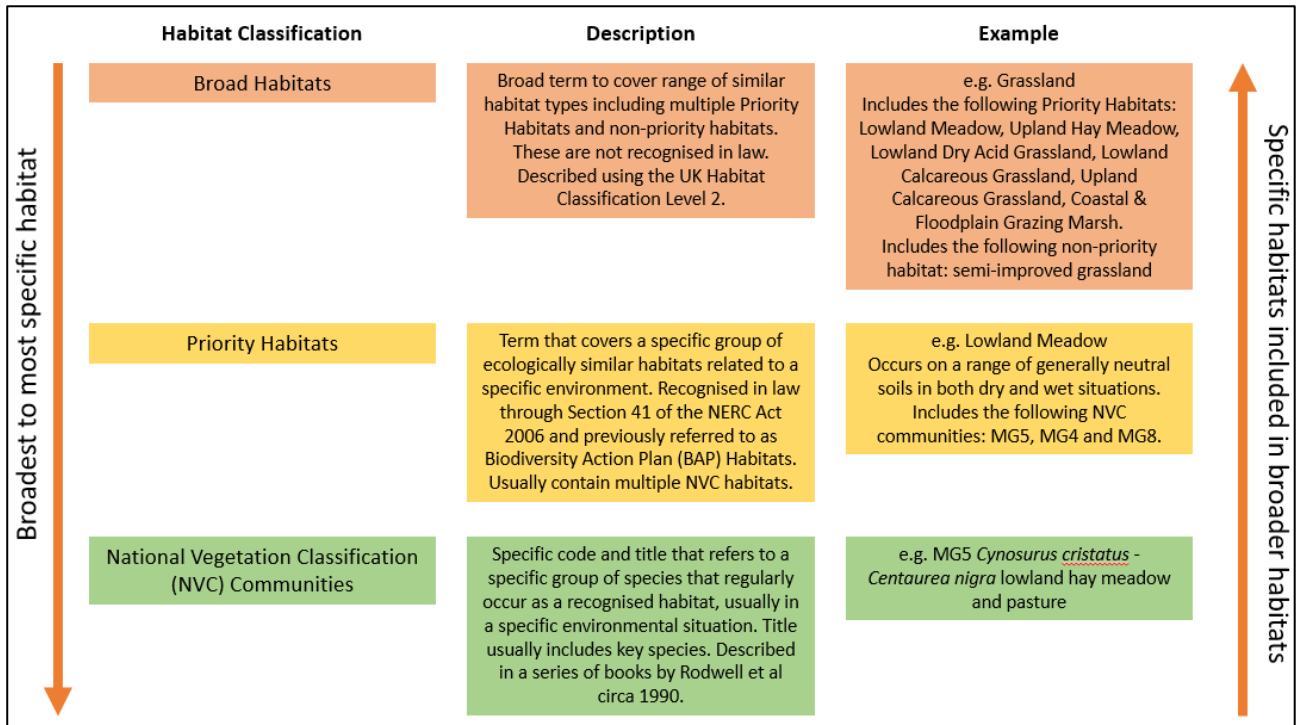


Devon
Wildlife Trust

February 2022

Habitats described in the Devon NRN

The Devon Nature Recovery Network Mapping uses several different habitat classifications for different components. The relationship between these are explained in the following diagram.



- [Broad Habitats](#)
These are used to describe the existing habitats in the Core Nature Areas and Nature Areas components. Broad Habitats are groupings of habitats of a similar type and are used in these components for two main reasons:
 - To protect commercially sensitive data that is available through licence at a higher resolution. This ensures that organisations key to nature conservation that rely on income through data are not unduly affected by information becoming freely available to view.
 - To enable better understanding by users of habitat connectivity/ fragmentation across the landscape for groups of habitats which support similar/overlapping species assemblages.

The Broad Habitats are defined according to Level 2 of the UK Habitat Classification¹ system. These Broad Habitats incorporate a wide range of habitats and for further detailed information please visit the UK Habitat Classification website (<https://ukhab.org>).

- [Priority Habitats](#)
Priority Habitats are the main classification for habitats of principal importance in the UK. Each Priority Habitat includes NVC communities (see below) – from Upland Hay Meadows with a single community to Lowland Fen which takes in 42 NVC communities. Priority Habitats cover a wide range of semi-natural habitat types and are identified as being the most threatened and requiring conservation action. Further information can be found at <https://jncc.gov.uk/our-work/uk-bap-priority->

[habitats/](#). These are used in the Core Nature Areas and the Habitat Suitability Mapping (to describe open habitats).

- [National Vegetation Classification \(NVC\) Communities](#)

These identify specific habitats by the community of plant species that make it up, usually reliant on a very specific environmental situation. There are hundreds of NVC communities described for the UK, which were classified in John Rodwell's British Plant Communities² series of books.

The Habitat Suitability Mapping has used this classification as its main basis due to the availability of evidence to support a scoring process. However, this level of detail is both impractical to use for mapping at a county level but also confusing for non-ecologists. So this information is available through DBRC and for woodland habitats but not mapped separately from this.

- [Woodland NVC Communities](#)

Woodland National Vegetation Classification (NVC) communities have been used in the Habitat Suitability Mapping to identify woodland habitats. Woodland Priority Habitats are based solely on ecological parameters (i.e. the species mix) rather than environmental parameters (e.g. soils, geology) and so cannot be used when defining habitats by underlying environmental parameters. National Vegetation Classification communities do use environmental parameters and so this is a more useful and appropriate level to break woodlands into.

For example, Upland Oakwood Priority Habitat incorporates a variety of NVC communities including habitats that are base-rich, very acid, free-draining and waterlogged.

Designations described in the Devon NRN

Designations and features used within the Core Nature Areas and Nature Areas are described at the bottom of this document.

Broad Habitats

A summary of key Priority Habitats found in Devon included in each Broad Habitat is shown below.

Broad habitat	Priority Habitat
Grassland	Lowland Dry Acid Grassland Lowland Meadow Upland Hay Meadows Lowland Calcareous Grassland Coastal and Floodplain Grazing Marsh
Woodland	Lowland Mixed Deciduous Woodland Lowland Beech and Yew Woodland Upland Oakwood Upland Mixed Ashwoods Upland Birchwoods Wet Woodland Wood Pasture and Parkland Traditional Orchards

Heath and Shrub	Lowland Heathland Upland Heathland Mountain Heaths and Willow Scrub
Wetland	Blanket Bog Lowland Raised Bogs Lowland Fen Upland Flushes, Fens and Swamps Purple Moor Grass and Rush Pasture Reedbeds
Sparsely Vegetated Land	Marine Cliffs and Slopes Coastal Sand Dunes Coastal Vegetated Shingle Inland Rock Outcrop and Scree Habitats
Rivers and lakes	Rivers Oligotrophic and Dystrophic Lakes Ponds Mesotrophic Lakes Eutrophic Standing Waters Aquifer Fed Naturally Fluctuating Water Bodies
Marine Inlets and Transitional Waters	Intertidal Mudflats Coastal Saltmarsh Seagrass Beds Sheltered Muddy Gravels Intertidal Underboulder Communities Sabellaria alveolata Reefs
Cropland (see notes below)	Arable Field Margins
Urban (see notes below)	Open Mosaic Habitats on Previously Developed Land
Species (see notes below)	n/a

Please note:

- The Core Nature Areas layer combines Priority Habitat, Ancient Woodland Inventory and Designations data. For some designations there is no information regarding where individual habitats are within the designation and so the whole designated area has been assigned that habitat. This does not mean that the entire designation supports that habitat.
- Cropland CNAs include Priority Habitat and designations that include arable areas, e.g. sites designated for curlew bunting or arable weeds.
- Urban CNAs include Priority Habitat and designations that include built up or developed land.
- Species CNAs (only mentioned within pop-up box) include designations that are specifically made for species (e.g. curlew bunting).

Priority Habitats and NVC Communities

The National Vegetation Classification (NVC) describes British Plant Communities in fine detail. These habitat descriptions provide enough detail to enable planting and seeding to be tailored. The following list are those checked through the Habitat Suitability Mapping process to identify habitats in Devon

DRAFT

Priority Habitat	NVC Code	NVC Description
Lowland Meadow	MG5	<i>Cynosurus cristatus</i> - <i>Centaurea nigra</i> lowland hay meadow and pasture
	MG4	<i>Alopecurus pratensis</i> - <i>Sanguisorba officinalis</i> floodplain meadow
	MG8	<i>Cynosurus cristatus</i> - <i>Caltha palustris</i> flood-pasture
Upland Hay Meadows	MG3	<i>Anthoxanthum odoratum</i> - <i>Geranium sylvaticum</i> grassland
Lowland Dry Acid Grasslands	U1	<i>Festuca ovina</i> - <i>Agrostis capillaris</i> - <i>Rumex acetosella</i> grassland
	U2	<i>Deschampsia flexuosa</i> grassland
	U3	<i>Agrostis curtisii</i> grassland
	U4	<i>Festuca ovina</i> - <i>Agrostis capillaris</i> - <i>Galium saxatile</i> grassland
	SD10b	<i>Carex arenaria</i> (<i>Carex arenaria</i> dune <i>Festuca ovina</i> sub-community
	SD11b	<i>Carex arenaria</i> - <i>Cornicularia aculeata</i> dune, <i>Festuca ovina</i> sub-community
	SD12	<i>Carex arenaria</i> - <i>Festuca ovina</i> - <i>Agrostis capillaris</i> dune grassland
Lowland Calcareous Grassland	CG1	<i>Festuca ovina</i> - <i>Carlina vulgaris</i> : warm southern temperate limestone grassland
	CG2	<i>Festuca ovina</i> - <i>Avenula pratensis</i> : species-rich chalk grassland
	CG3	<i>Bromus erectus</i> grassland
	CG4	<i>Brachypodium pinnatum</i> grassland
	CG5	<i>Bromus erectus</i> - <i>Brachypodium pinnatum</i> grassland
	CG6	<i>Avenula pubescens</i> grassland.
	CG7	<i>Festuca ovina</i> - <i>Hieracium pilosella</i> - <i>Thymus praecox/pulegioides</i> grassland
	CG8	<i>Sesleria caerulea</i> - <i>Scabiosa columbaria</i> : Magnesian limestone grassland
	CG9	<i>Sesleria caerulea</i> - <i>Galium sternerii</i> : Carboniferous limestone grassland
	CG10	<i>Festuca ovina</i> - <i>Agrostis capillaris</i> - <i>Thymus praecox</i> grassland
Coastal and Floodplain Grazing Marsh	MG9	<i>Holcus lanatus</i> - <i>Deschampsia cespitosa</i> : damp pasture
	MG10	<i>Holcus lanatus</i> - <i>Juncus effusus</i> : rush pasture
	MG11	<i>Festuca rubra</i> - <i>Agrostis stolonifera</i> - <i>Potentilla anserina</i> grassland
	MG12	<i>Festuca arundinacea</i> grassland
	MG13	<i>Agrostis stolonifera</i> - <i>Alopecurus geniculatus</i> grassland
Upland Heathland	H4	<i>Ulex gallii</i> - <i>Agrostis curtisii</i> heath
	H8	<i>Calluna vulgaris</i> - <i>Ulex gallii</i> heath
	H9	<i>Calluna vulgaris</i> - <i>Erica cinerea</i> heath
	H10	<i>Calluna vulgaris</i> - <i>Erica cinerea</i> heath
	H12	<i>Calluna vulgaris</i> - <i>Vaccinium myrtillus</i> heath
	H15	<i>Calluna vulgaris</i> - <i>Juniperus communis</i> ssp. <i>nana</i> heath
	H16	<i>Calluna vulgaris</i> - <i>Arctostaphylos uva-ursi</i> heath
	H18	<i>Vaccinium myrtillus</i> - <i>Deschampsia flexuosa</i> heath
	H21	<i>Calluna vulgaris</i> - <i>Vaccinium myrtillus</i> - <i>Sphagnum capillifolium</i> heath
	M15	<i>Scirpus cespitosus</i> - <i>Erica tetralix</i> wet heath
M16	<i>Erica tetralix</i> - <i>Sphagnum compactum</i> wet heath	
Lowland Heathland	H1	<i>Calluna vulgaris</i> - <i>Festuca ovina</i> heath
	H2	<i>Calluna vulgaris</i> - <i>Ulex minor</i> heath
	H3	<i>Ulex minor</i> - <i>Agrostis curtisii</i> heath

	H4	<i>Ulex gallii</i> - <i>Agrostis curtisii</i> heath
	H5	<i>Erica vagans</i> - <i>Schoenus nigricans</i> heath
	H6	<i>Erica vagans</i> - <i>Ulex europaeus</i> heath
	H7	<i>Calluna vulgaris</i> - <i>Scilla verna</i> heath
	H8	<i>Calluna vulgaris</i> - <i>Ulex gallii</i> heath
	H9	<i>Calluna vulgaris</i> - <i>Erica cinerea</i> heath
	H10	<i>Calluna vulgaris</i> - <i>Erica cinerea</i> heath
	H12	<i>Calluna vulgaris</i> - <i>Vaccinium myrtillus</i> heath
	M14	<i>Schoneus nigricans</i> - <i>Narthecium ossifragum</i> mire
	M15	<i>Scirpus cespitosus</i> - <i>Erica tetralix</i> wet heath
	M16	<i>Erica tetralix</i> - <i>Sphagnum compactum</i> wet heath
Upland Flushes, Fens and Swamps	M4	<i>Carex rostrata</i> - <i>Sphagnum recurvum</i> mire
	M5	<i>Carex rostrata</i> - <i>Sphagnum squarrosum</i> mire
	M6	<i>Carex echinata</i> - <i>Sphagnum recurva/auriculatum</i> mire
	M7	<i>Carex curta</i> - <i>Sphagnum russowii</i> mire
	M8	<i>Carex rostrata</i> - <i>Sphagnum warnstorffii</i> mire
	M9	<i>Carex rostrata</i> - <i>Calligeron cuspidatum/giganteum</i> mire
	M10	<i>Carex dioica</i> - <i>Pinguicula vulgaris</i> mire
	M11	<i>Carex demissa</i> - <i>Saxifraga aizoides</i> mire
	M12	<i>Carex saxatilis</i> mire
	M21	<i>Narthecium ossifragum</i> - <i>Sphagnum papillosum</i> valley mire
	M23a	<i>Juncus effusus/acutiflorus</i> - <i>Galium palustre</i> rush-pasture
	M25c	<i>Molinia caerulea</i> - <i>Potentilla erecta</i> mire
	M27	<i>Filipendula ulmaria</i> - <i>Angelica sylvestris</i> mire
	M28	<i>Iris pseudacorus</i> - <i>Filipendula ulmaria</i> mire
	M29	<i>Hypericum elodes</i> - <i>Potamogeton polygonifolius</i> soakway
	M31	<i>Anthelia judacea</i> - <i>Sphagnum auriculatum</i> spring
	M32	<i>Philonotis fontana</i> - <i>Saxifraga stellaris</i> spring
	M33	<i>Pohlia wahlenbergii</i> var. <i>glacialis</i> spring
	M34	<i>Carex demissa</i> - <i>Koenigia islandica</i> flush
	M35	<i>Ranunculus omiophyllus</i> - <i>Montia fontana</i> rill
	M37	<i>Cratoneuron commutatum</i> - <i>Festuca rubra</i> spring
	M38	<i>Cratoneuron commutatum</i> - <i>Carex nigra</i> spring
	S9	<i>Carex rostrata</i> swamp
	S10	<i>Equisetum fluviatile</i> swamp
	S11	<i>Carex vesicaria</i> swamp
	S19	<i>Eleocharis palustris</i> swamp
	S27	<i>Carex rostrata</i> - <i>Potentilla palustris</i> tall-herb fen
Purple Moor Grass and Rush Pasture	M22	<i>Juncus subnodulosus</i> – <i>Cirsium palustre</i> fen-meadow
	M23	<i>Juncus effusus/acutiflorus</i> - <i>Galium palustre</i> rush pasture
	M24	<i>Molinia caerulea</i> - <i>Cirsium dissectum</i> fen-meadow
	M25	<i>Molinia caerulea</i> - <i>Potentilla erecta</i> mire
	M26	<i>Molinia caerulea</i> - <i>Crepis paludosa</i> mire
	M27	<i>Filipendula ulmaria</i> – <i>Angelica sylvestris</i> mire
	M28	<i>Iris pseudacorus</i> – <i>Filipendula ulmaria</i> mire
	MG10	<i>Holcus lanatus</i> - <i>Juncus effusus</i> : rush pasture
Lowland Fen	M1	<i>Sphagnum auriculatum</i> bog pool community

	M2	<i>Sphagnum cuspidatum/recurvum</i> bog pool community
	M3	<i>Eriophorum angustifolium</i> bog pool community
	M4	<i>Carex rostrata</i> - <i>Sphagnum recurvum</i> mire
	M5	<i>Carex rostrata</i> - <i>Sphagnum squarrosum</i> mire
	M6	<i>Carex echinata</i> - <i>Sphagnum recurva/auriculatum</i> mire
	M7	<i>Carex curta</i> - <i>Sphagnum russowii</i> mire
	M8	<i>Carex rostrata</i> - <i>Sphagnum warnstorffii</i> mire
	M9	<i>Carex rostrata</i> - <i>Calligeron cuspidatum/giganteum</i> mire
	M10	<i>Carex dioica</i> - <i>Pinguicula vulgaris</i> mire
	M13	<i>Schoenus nigricans</i> - <i>Juncus subnodulosus</i> mire
	M14	<i>Schoneus nigricans</i> - <i>Narthecium ossifragum</i> mire
	M27	<i>Filipendula ulmaria</i> - <i>Angelica sylvestris</i> mire
	M28	<i>Iris pseudacorus</i> - <i>Filipendula ulmaria</i> mire
	M29	<i>Hypericum elodes</i> - <i>Potamogeton polygonifolius</i> soakway
	M30	Related vegetation of seasonally-inundated habitats
	M36	Lowland springs and streambanks of shaded situations
	S1	<i>Carex elata</i> sedge-swamp
	S2	<i>Cladium mariscus</i> swamp and sedge-beds
	S3	<i>Carex paniculata</i> swamp
	S5	<i>Phragmites australis</i> swamp and reed-beds
	S6	<i>Glyceria maxima</i> swamp
	S7	<i>Carex riparia</i> swamp
	S9	<i>Carex rostrata</i> swamp
	S10	<i>Equisetum fluviatile</i> swamp
	S11	<i>Carex vesicaria</i> swamp
	S12	<i>Typha latifolia</i> swamp
	S13	<i>Typha angustifolia</i> swamp
	S14	<i>Sparganium erectum</i> swamp
	S15	<i>Acorus calamus</i> swamp
	S16	<i>Sagittaria sagittifolia</i> swamp
	S17	<i>Carex pseudocyperus</i> swamp
	S18	<i>Carex otrubae</i> swamp
	S19	<i>Eleocharis palustris</i> swamp
	S20	<i>Scirpus lacustris</i> ssp. <i>tabernaemontani</i> swamp
	S21	<i>Scirpus maritimus</i> swamp
	S22	<i>Glyceria fluitans</i> water-margin vegetation
	S23	Other water-margin vegetation
	S24	<i>Phragmites australis</i> - <i>Peucedanum palustre</i> tall-herb fen
	S25	<i>Phragmites australis</i> - <i>Eupatorium cannabinum</i> tall-herb fen
	S27	<i>Carex rostrata</i> - <i>Potentilla palustris</i> tall-herb fen
	S28	<i>Phalaris arundinacea</i> tall-herb fen
Reedbeds	S4	<i>Phragmites australis</i> swamp and reed-beds
	S24	<i>Phragmites australis</i> - <i>Peucedanum palustre</i> tall-herb fen
	S25	<i>Phragmites australis</i> - <i>Eupatorium cannabinum</i> tall-herb fen
Lowland Raised Bog	M1	<i>Sphagnum auriculatum</i> bog pool community
	M2	<i>Sphagnum cuspidatum/recurvum</i> bog pool community
	M3	<i>Eriophorum angustifolium</i> bog pool community

	M15	<i>Scirpus cespitosus</i> - <i>Erica tetralix</i> wet heath	
	M16	<i>Erica tetralix</i> - <i>Sphagnum compactum</i> wet heath	
	M17	<i>Scirpus cespitosus</i> - <i>Eriophorum vaginatum</i> blanket mire	
	M18	<i>Erica tetralix</i> - <i>Sphagnum papillosum</i> raised and blanket mire	
	M19	<i>Calluna vulgaris</i> - <i>Eriophorum vaginatum</i> blanket mire	
	M20	<i>Eriophorum vaginatum</i> raised and blanket mire	
	M25	<i>Molinia caerulea</i> - <i>Potentilla erecta</i> mire	
	W4	<i>Betula pubescens</i> - <i>Molinia caerulea</i> woodland	
Blanket Bog	M1	<i>Sphagnum auriculatum</i> bog pool community	
	M2	<i>Sphagnum cuspidatum/recurvum</i> bog pool community	
	M3	<i>Eriophorum angustifolium</i> bog pool community	
	M15	<i>Scirpus cespitosus</i> - <i>Erica tetralix</i> wet heath	
	M16	<i>Erica tetralix</i> - <i>Sphagnum compactum</i> wet heath	
	M17	<i>Scirpus cespitosus</i> - <i>Eriophorum vaginatum</i> blanket mire	
	M18	<i>Erica tetralix</i> - <i>Sphagnum papillosum</i> raised and blanket mire	
	M19	<i>Calluna vulgaris</i> - <i>Eriophorum vaginatum</i> blanket mire	
	M20	<i>Eriophorum vaginatum</i> raised and blanket mire	
	M25	<i>Molinia caerulea</i> - <i>Potentilla erecta</i> mire	
Mountain Heaths and Willow Scrub	H12	<i>Calluna vulgaris</i> - <i>Vaccinium myrtillus</i> heath	
	H13	<i>Calluna vulgaris</i> - <i>Cladonia arbuscula</i> heath	
	H14	<i>Calluna vulgaris</i> - <i>Racomitrium lanuginosum</i> heath	
	H15	<i>Calluna vulgaris</i> - <i>Juniperus communis</i> ssp. <i>nana</i> heath	
	H17	<i>Calluna vulgaris</i> - <i>Arctostaphylos alpinus</i> heath	
	H18	<i>Vaccinium myrtillus</i> - <i>Deschampsia flexuosa</i> heath	
	H19	<i>Vaccinium myrtillus</i> - <i>Cladonia arbuscula</i> heath	
	H20	<i>Vaccinium myrtillus</i> - <i>Racomitrium lanuginosum</i> heath	
	H22	<i>Vaccinium myrtillus</i> - <i>Rubus chamaemorus</i> heath	
	M15	<i>Scirpus cespitosus</i> - <i>Erica tetralix</i> wet heath	
	U4	<i>Festuca ovina</i> - <i>Agrostis capillaris</i> - <i>Galium saxatile</i> grassland	
	U5	<i>Nardus stricta</i> - <i>Galium saxatile</i> grassland	
	U6	<i>Juncus squarrosus</i> - <i>Festuca ovina</i> grassland	
	U7	<i>Nardus stricta</i> - <i>Carex bigelowii</i> grass-heath	
	U8	<i>Carex bigelowii</i> - <i>Polytrichum alpinum</i> sedge-heath	
	U9	<i>Juncus trifidus</i> - <i>Racomitrium lanuginosum</i> rush-heath	
	U10	<i>Carex bigelowii</i> - <i>Racomitrium lanuginosum</i> moss-heath	
	U11	<i>Polytrichum sexangulare</i> - <i>Kiaeria starkei</i> snow-bed	
	U12	<i>Salix herbacea</i> - <i>Racomitrium heterostichum</i> snow-bed	
	U13	<i>Deschampsia cespitosa</i> - <i>Galium saxatile</i> grassland	
	U14	<i>Alchemilla alpina</i> - <i>Sibbaldia procumbens</i> dwarf-herb community	
	U15	<i>Saxifraga aizoides</i> - <i>Alchemilla glabra</i> banks	
	U18	<i>Cryptogramma crispa</i> - <i>Athyrium distentifolium</i> snow-bed	
	W20	<i>Salix lapponum</i> - <i>Luzula sylvatica</i> scrub	
	U16	<i>Luzula sylvatica</i> - <i>Vaccinium myrtillus</i> tall-herb community	
	U17	<i>Luzula sylvatica</i> - <i>Geum rivale</i> tall-herb community	
	U18	<i>Cryptogramma crispa</i> - <i>Athyrium distentifolium</i> snow-bed	
	U21	<i>Cryptogramma crispa</i> - <i>Deschampsia flexuosa</i> community	
		OV38	<i>Gymnocarpium robertianum</i> - <i>Arrhenatherum elatius</i> community

Inland Rock Outcrop and Scree Habitats	OV39	<i>Asplenium trichomanes</i> - <i>Asplenium ruta-muraria</i> community
	OV40	<i>Asplenium viride</i> - <i>Cystopteris fragilis</i> community
	OV41	<i>Parietaria diffusa</i> community
Calaminarian Grasslands	OV37	<i>Festuca ovina</i> - <i>Minuartia verna</i> community
Open Mosaic Habitats on Previously Developed Land	MG1	<i>Arrhenatherum elatius</i> grassland
	MG2	<i>Arrhenatherum elatius</i> - <i>Filipendula ulmaria</i> tall-herb grassland
	MG3	<i>Anthoxanthum odoratum</i> - <i>Geranium sylvaticum</i> grassland
	MG9	<i>Holcus lanatus</i> - <i>Deschampsia cespitosa</i> grassland
	MG10	<i>Holcus lanatus</i> - <i>Juncus effusus</i> rush-pasture
	MG11	<i>Festuca rubra</i> - <i>Agrostis stolonifera</i> - <i>Potentilla anserina</i> grassland
	CG10	<i>Festuca ovina</i> - <i>Agrostis capillaris</i> - <i>Thymus praecox</i> grassland
	U1	<i>Festuca ovina</i> - <i>Agrostis capillaris</i> - <i>Rumex acetosella</i> grassland
	U2	<i>Deschampsia flexuosa</i> grassland
	W6	<i>Alnus glutinosa</i> - <i>Urtica dioica</i> woodland
	W23	<i>Ulex europaeus</i> - <i>Rubus fruticosus</i> scrub
Maritime Cliff and Slopes	CG1	<i>Festuca ovina</i> - <i>Carlina vulgaris</i> grassland
	CG2	<i>Festuca ovina</i> - <i>Avenula pratensis</i> grassland
	CG4	<i>Brachypodium pinnatum</i> grassland
	CG6	<i>Avenula pubescens</i> grassland
	CG10	<i>Festuca ovina</i> - <i>Agrostis capillaris</i> - <i>Thymus praecox</i> grassland
	H7	<i>Calluna vulgaris</i> - <i>Scilla verna</i> heath
	H8d	<i>Calluna vulgaris</i> - <i>Ulex gallii</i> heath
	H10	<i>Calluna vulgaris</i> - <i>Deschampsia flexuosa</i> heath
	MC1	<i>Crithmum maritimum</i> - <i>Spergularia rupicola</i> maritime rock-crevice community
	MC2	<i>Armeria maritima</i> - <i>Ligusticum scoticum</i> maritime rock-crevice community
	MC3	<i>Rhodiola rosea</i> - <i>Armeria maritima</i> maritime cliff-ledge community
	MC4	<i>Brassica oleracea</i> maritime cliff-ledge community
	MC5	<i>Armeria maritima</i> - <i>Cerastium diffusum</i> ssp. <i>diffusum</i> maritime therophyte community
	MC6	<i>Atriplex prostrata</i> - <i>Beta vulgaris</i> ssp. <i>maritima</i> sea-bird cliff community
	MC7	<i>Stellaria media</i> - <i>Rumex acetosa</i> sea-bird cliff community
	MC8	<i>Festuca rubra</i> - <i>Armeria maritima</i> maritime grassland
	MC9	<i>Festuca rubra</i> - <i>Holcus lanatus</i> maritime grassland
	MC10	<i>Festuca rubra</i> - <i>Plantago</i> spp. maritime grassland
	MC11	<i>Festuca rubra</i> - <i>Daucus carota</i> ssp. <i>gummifer</i> maritime grassland
	MC12	<i>Festuca rubra</i> - <i>Hyacinthoides non-scripta</i> maritime bluebell community
	MG1	<i>Arrhenatherum elatius</i> grassland
	MG5	<i>Cynosurus cristatus</i> - <i>Centaurea nigra</i> grassland
	U4	<i>Festuca ovina</i> - <i>Agrostis capillaris</i> - <i>Galium saxatile</i> grassland
	U20	<i>Pteridium aquilinum</i> - <i>Galium saxatile</i> community
W21	<i>Crataegus monogyna</i> - <i>Hedera helix</i> scrub	
W22	<i>Prunus spinosa</i> - <i>Rubus fruticosus</i> scrub	
W23	<i>Ulex europaeus</i> - <i>Rubus fruticosus</i> scrub	
W24	<i>Rubus fruticosus</i> - <i>Holcus lanatus</i> underscrub	

	W25	<i>Pteridium aquilinum</i> - <i>Rubus fruticosus</i> underscrub
Coastal Vegetated Shingle	MC6	<i>Atriplex prostrata</i> - <i>Beta vulgaris</i> ssp. <i>maritima</i> sea-bird cliff community
	MG1	<i>Arrhenatherum elatius</i> grassland
	MG11	<i>Festuca rubra</i> - <i>Agrostis stolonifera</i> - <i>Potentilla anserina</i> grassland
	SD1	<i>Rumex crispus</i> - <i>Glaucium flavum</i> shingle community
	SD2	<i>Honkenya peploides</i> - <i>Cakile maritima</i> strandline community
	SD3	<i>Matricaria maritima</i> - <i>Galium aparine</i> strandline community
	U1	<i>Festuca ovina</i> - <i>Agrostis capillaris</i> - <i>Rumex acetosella</i> grassland
	U4	<i>Festuca ovina</i> - <i>Agrostis capillaris</i> - <i>Galium saxatile</i> grassland
	U20	<i>Pteridium aquilinum</i> - <i>Galium saxatile</i> community
	H10	<i>Calluna vulgaris</i> - <i>Erica cinerea</i> heath
	H12	<i>Calluna vulgaris</i> - <i>Vaccinium myrtillus</i> heath
	W23	<i>Ulex europaeus</i> - <i>Rubus fruticosus</i> scrub
	W24	<i>Rubus fruticosus</i> - <i>Holcus lanatus</i> underscrub
	W25	<i>Pteridium aquilinum</i> - <i>Rubus fruticosus</i> underscrub
Coastal Sand Dunes	H11	<i>Calluna vulgaris</i> - <i>Carex arenaris</i> heath
	SD2	<i>Honkenya peploides</i> - <i>Cakile maritima</i> strandline community
	SD4	<i>Elymus farctus</i> ssp. <i>boreali-atlanticus</i> foredune community
	SD5	<i>Leymus arenarius</i> mobile dune community
	SD6	<i>Ammophila arenaria</i> mobile dune community
	SD7	<i>Ammophila arenaria</i> - <i>Festuca rubra</i> semi-fixed dune community
	SD8	<i>Festuca rubra</i> - <i>Galium verum</i> fixed dune grassland
	SD9	<i>Ammophila arenaria</i> - <i>Arrhenatherum elatius</i> dune grassland
	SD10	<i>Carex arenaria</i> dune community
	SD11	<i>Carex arenaria</i> - <i>Cornicularia aculeata</i> dune community
	SD12	<i>Carex arenaria</i> - <i>Festuca ovina</i> - <i>Agrostis capillaris</i> dune grassland
	SD13	<i>Sagina nodosa</i> - <i>Bryum pseudotriquetrum</i> dune-slack community
	SD14	<i>Salix repens</i> - <i>Campylium stellatum</i> dune-slack community
	SD15	<i>Salix repens</i> - <i>Calliergon cuspidatum</i> dune-slack community
	SD16	<i>Salix repens</i> - <i>Holcus lanatus</i> dune-slack community
	SD17	<i>Potentilla anserina</i> - <i>Carex nigra</i> dune-slack community
	SD18	<i>Hippophae rhamnoides</i> dune scrub
	SD19	<i>Phleum arenarium</i> - <i>Arenaria serpyllifolia</i> dune annual community
	Coastal Saltmarsh	S20
S21		<i>Scirpus maritimus</i> swamp
SM1		<i>Zostera</i> communities
SM2		<i>Ruppia maritima</i> salt-marsh community
SM3		<i>Eleocharis parvula</i> salt-marsh community
SM4		<i>Spartina maritima</i> salt-marsh community
SM5		<i>Spartina alterniflora</i> salt-marsh community
SM6		<i>Spartinetum townsendii</i> salt-marsh
SM7		<i>Arthrocnemum perenne</i> stands
SM8		<i>Salicornia</i> salt-marsh community
SM9		<i>Suaeda maritima</i> salt-marsh community
SM10		<i>Puccinellia maritima</i> transitional low marsh community
SM11	<i>Aster tripolii</i> salt-marsh community	
SM12	Rayed <i>Aster tripolium</i> on salt-marshes	

	SM13	Puccinellietum maritimae salt-marsh community
	SM14	Halimionetum portulacoidis salt-marsh community
	SM15	Juncus maritimus-Triglochin maritima salt-marsh
	SM16	Juncetum gerardi salt-marsh
	SM17	Artemisietum maritimae salt-marsh community
	SM18	Juncus maritimus salt-marsh community
	SM19	Blysmetum rufi salt-marsh
	SM20	Eleocharitetum uniglumis salt-marsh
	SM21	Suaeda vera-Limonium binervosum salt-marsh
	SM22	Limonio vulgaris-Frankenietum laevis salt-marsh community
	SM23	Puccinellietum distantis salt-marsh community
	SM24	Atriplici-Elymetum pycnanthi salt-marsh
	SM25	Elymo pycnanthi-Suaedetum varae drift-line
	SM26	Inula crithmoides on salt-marshes
	SM27	Sagninion maritimae salt-marsh vegetation
	SM28	Elymetum repentis salt-marsh
Traditional Orchards	MG1	Arrhenatherum elatius grassland
	MG5	Cynosurus cristatus - Centaurea nigra lowland hay meadow and pasture
	MG6	Lolium perenne - Cynosurus cristatus grassland
	MG10	Holcus lanatus - Juncus effusus rush-pasture
	W24	Rubus fruticosus - Holcus lanatus underscrub
Wood Pasture and Parkland	CG10	Festuca ovina - Agrostis capillaris - Thymus praecox grassland
	H10	Calluna vulgaris - Erica cinerea heath
	H12	Calluna vulgaris - Vaccinium myrtillus heath
	H21	Calluna vulgaris - Vaccinium myrtillus - Sphagnum capillifolium heath
	M6	Carex echinata - Sphagnum recurva/auriculatum mire
	M10	Carex dioica - Pinguicula vulgaris mire
	M23	Juncus effusus/acutiflorus - Galium palustre rush-pasture
	M25	Molinia caerulea - Potentilla erecta mire
	M27	Filipendula ulmaria - Angelica sylvestris mire
	MG1	Arrhenatherum elatius grassland
	MG5	Cynosurus cristatus - Centaurea nigra grassland
	MG6	Lolium perenne - Cynosurus cristatus grassland
	MG8	Cynosurus cristatus - Caltha palustris grassland
	MG9	Holcus lanatus - Deschampsia cespitosa grassland
	MG10	Holcus lanatus - Juncus effusus rush-pasture
	U1	Festuca ovina - Agrostis capillaris - Rumex acetosella grassland
	U4	Festuca ovina - Agrostis capillaris - Galium saxatile grassland
	U20	Pteridium aquilinum - Galium saxatile community
	W4	Betula pubescens - Molinia caerulea woodland
	W6	Alnus glutinosa - Urtica dioica woodland
	W7	Alnus glutinosa - Fraxinus excelsior - Lysimachia nemorum woodland
	W8	Fraxinus excelsior - Acer campestre - Mercurialis perennis woodland
	W9	Fraxinus excelsior - Sorbus aucuparia - Mercurialis perennis woodland
W10	Quercus robur - Pteridium aquilinum - Rubus fruticosus woodland	
W11	Quercus petraea - Betula pubescens - Oxalis acetosella woodland	
W15	Fagus sylvatica - Deschampsia flexuosa woodland	

	W16	<i>Quercus</i> spp. - <i>Betula</i> spp. - <i>Deschampsia flexuosa</i> woodland
	W17	<i>Quercus petraea</i> - <i>Betula pubescens</i> - <i>Dicranum majus</i> woodland
	W18	<i>Pinus sylvestris</i> - <i>Hylocomium splendens</i> woodland
	W21	<i>Crataegus monogyna</i> - <i>Hedera helix</i> scrub
	W22	<i>Prunus spinosa</i> - <i>Rubus fruticosus</i> scrub
	W23	<i>Ulex europaeus</i> - <i>Rubus fruticosus</i> scrub
	W24	<i>Rubus fruticosus</i> - <i>Holcus lanatus</i> underscrub
	W25	<i>Pteridium aquilinum</i> - <i>Rubus fruticosus</i> underscrub
Upland Oakwood	W4a	<i>Betula pubescens</i> - <i>Molinia caerulea</i> woodland
	W10e	<i>Quercus robur</i> - <i>Pteridium aquilinum</i> - <i>Rubus fruticosus</i> woodland
	W11	<i>Quercus petraea</i> - <i>Betula pubescens</i> - <i>Oxalis acetosella</i> woodland
	W17	<i>Quercus petraea</i> - <i>Betula pubescens</i> - <i>Dicranum majus</i> woodland
	W12	<i>Fagus sylvatica</i> - <i>Mercurialis perennis</i> woodland (base-rich soils)
	W13	<i>Taxus baccata</i> woodland (Yew stands)
	W14	<i>Fagus sylvatica</i> - <i>Rubus fruticosus</i> woodland (mesotrophic soils)
	W15	<i>Fagus sylvatica</i> - <i>Deschampsia flexuosa</i> woodland (acidic soils)
Upland Mixed Ashwoods	W7c	<i>Alnus glutinosa</i> - <i>Fraxinus excelsior</i> - <i>Lysimachia nemorum</i> woodland
	W8a-c	<i>Fraxinus excelsior</i> - <i>Acer campestre</i> - <i>Mercurialis perennis</i> woodland
	W8d,e,f,g	<i>Fraxinus excelsior</i> - <i>Acer campestre</i> - <i>Mercurialis perennis</i> woodland, sub communities d. <i>Hedera helix</i> , e. <i>Geranium robertianum</i> , f. <i>Allium ursinum</i> and g. <i>Teucrium scorodonia</i> ,
	W9	<i>Fraxinus excelsior</i> - <i>Sorbus aucuparia</i> - <i>Mercurialis perennis</i> woodland
	W13	<i>Taxus baccata</i> woodland (Yew stands)
Wet Woodland	W1	<i>Salix cinerea</i> - <i>Galium palustre</i> woodland
	W2	<i>Salix cinerea</i> - <i>Betula pubescens</i> - <i>Phragmites australis</i> woodland
	W3	<i>Salix pentandra</i> - <i>Carex rostrata</i> woodland
	W4c	<i>Betula pubescens</i> - <i>Molinia caerulea</i> woodland: <i>Sphagnum</i> sub-community
	W5	<i>Alnus glutinosa</i> - <i>Carex paniculata</i> woodland
	W6	<i>Alnus glutinosa</i> - <i>Urtica dioica</i> woodland,
	W7	<i>Alnus glutinosa</i> - <i>Fraxinus excelsior</i> - <i>Lysimachia nemorum</i> woodland
	W8	<i>Fraxinus excelsior</i> - <i>Acer campestre</i> - <i>Mercurialis perennis</i> woodland
Lowland Mixed Deciduous Woodland	W8a-c	<i>Fraxinus excelsior</i> - <i>Acer campestre</i> - <i>Mercurialis perennis</i> woodland
	W8d	<i>Fraxinus excelsior</i> - <i>Acer campestre</i> - <i>Mercurialis perennis</i> woodland
	W10a-d	<i>Quercus robur</i> - <i>Pteridium aquilinum</i> - <i>Rubus fruticosus</i> woodland
	W16	<i>Quercus</i> spp. - <i>Betula</i> spp. - <i>Deschampsia flexuosa</i> woodland
Upland Birchwoods	W4a,b	<i>Betula pubescens</i> - <i>Molinia caerulea</i>
	W10e	<i>Quercus robur</i> - <i>Pteridium aquilinum</i> - <i>Rubus fruticosus</i> woodland
	W11a-d	<i>Quercus petraea</i> - <i>Betula pubescens</i> - <i>Oxalis acetosella</i> woodland
	W17a,c,d	<i>Quercus petraea</i> - <i>Betula pubescens</i> - <i>Dicranum majus</i> woodland

Woodland NVC Communities

Throughout the Habitat Suitability Mapping, woodlands are described by their National Vegetation Communities instead of by Priority Habitats. John Rodwell's *British Plant Communities*³ describes the main species in each community – please note that the species-description of each community are only the species that define the community -

each community is made of many more species. Species are usually described by scientific name but are described by English name here to make more accessible.

NVC Code	Description	Acidity	Species-description
W1	Wet woodland	Base-rich & calcareous	grey willow/marsh bedstraw
W2	Wet woodland	Neutral to calcareous	grey willow/birch/common reed
W3	Wet woodland	Base-rich & calcareous	bay willow/bottle sedge
W4	Wet woodland	Acid & base-poor	downy birch/purple moor-grass/sphagnum
W5	Wet woodland	Neutral to calcareous	alder/greater tussock sedge
W6	Wet woodland	Acid & base-rich	alder/nettle
W7	Wet woodland	Neutral & base-rich	alder/ash/yellow pimpernel
W8	Ash woodland	Neutral to calcareous	ash/field maple/dog's mercury
W9	Upland ash woodland	Base-rich & calcareous	ash/rowan/dog's mercury
W10	Oak woodland	Acid to neutral	pedunculate oak/bracken/bramble
W11	Oak woodland	Acid to neutral	oak species/downy birch/wood sorrel
W12	Beech woodland	Base-rich & calcareous	beech/dog's mercury
W14	Beech woodland	Acid to neutral	beech/bramble
W15	Beech woodland	Very acid to base-poor	beech/wavy hair-grass
W16	Oak woodland	Very acid to base-poor	sessile oak/birch/wavy hair-grass
W17	Upland oak woodland	Very acid to base-poor	sessile oak/downy birch/greater fork-moss
W21	Scrub	Base-poor to calcareous	hawthorn/ivy
W22	Scrub	Base-poor to calcareous	blackthorn/bracken
W23	Scrub	Acid to calcareous	European gorse/bramble
W24	Scrub	Circumneutral	bramble/Yorkshire fog

Designations

A range of environmental designations and features are included within the Core Nature Areas component.

Acronym	Designation/feature	Further information
SAC	Special Area of Conservation	
SPA	Special Protection Area	
SSSI	Site of Special Scientific Interest	
MCZ	Marine Conservation Zone	
NNR	National Nature Reserve	2021 dataset used which does not include Pebblebed Heaths. To be updated at iteration2.
LNR	Local Nature Reserve	
AWI	Ancient Woodland Inventory	All sites included in iteration 1, Plantations on Ancient Woodland Site

		(PAWS) to be moved to Nature Areas in iteration 2.
CWS	County Wildlife Site	
VMCA	Voluntary Marine Conservation Area	
PHI	Priority Habitats Inventory	Including both national and local datasets

A range of sites which have some wildlife value are included within the Nature Areas component.

Acronym	Designation/feature	Further information
OSWI	Other Site of Wildlife Interest	Site identified locally (Devon) that does not reach County Wildlife Site status but is still considered of value for wildlife. OSWIs are no longer assigned, but this dataset includes habitats recognised through that assignment process.
	Nature Reserves	Non-Priority Habitat elements of NNRs and LNRs
	Parks/urban greenspace	Local Authority data and Ordnance Survey open greenspace data
	Churchyards (not all currently mapped)	Local Authority data and Ordnance Survey open greenspace data
NFI	National Forest Inventory	Non-Priority Habitat elements of NFI

References

¹ <https://ukhab.org/>

² Rodwell et al 1991. British Plant Communities: All volumes

³ Rodwell et al 1991. British Plant Communities: Vol 1: Woodlands and scrub. JNCC.

DRAFT