

1. SNA details

SNA name:	Brendon & Vealand
SNA unique number:	341
SNA area (ha):	184.77



2. Summary of nature conservation interest

Priority BAP habitats:

Main Regional Nature Map habitat:	Purple Moor Grass & Rush Pasture
Other Regional Nature Map habitat(s):	
Other UK BAP habitats:	Fen, Lowland Mixed Deciduous Woodland, Wet Woodland, Hedges, Rivers.

A mosaic of different wet communities occur along the gently sloping valley sides and floodplain of the River Tamar and its tributaries. Mire and swamp communities, quaking bogs, acidic grassland, neutral marshy grassland, tall herb fen and purple moor grass & rush pasture exist along with areas of wet woodland and lowland mixed deciduous woodland. These rich and varied habitats support a wealth of species:

Important species or species assemblage	Status
Devon notable flowering plants e.g. Lesser Butterfly Orchid, Wavy-Leaved St John's Wort.	S.41 (Lesser Butterfly Orchid) Devon notable plants
Breeding birds e.g. Reed Bunting, Tree Pipit, Grasshopper Warbler.	S.41 (Reed Bunting, Tree Pipit, Grasshopper Warbler) Red bird list (Reed Bunting, Grasshopper Warbler) Amber bird list (Tree Pipit)
Butterfly food plants e.g. Devils Bit Scabious.	
Butterflies e.g. Marsh Fritillary.	S.41, DBAP, Nationally notable
Other invertebrates e.g. dragonflies, damselflies, spiders, flies, beetles. (10 species of dragonfly recorded at Kingford Fen SSSI)	
Reptiles and amphibians e.g. Grass Snake, Viviparous Lizard.	S.41
Moths e.g. Narrow-bordered Bee Hawk-moth.	S.41, Nationally notable
Otter	S.41, DBAP
Brown Hare	S.41, DBAP
Common Dormouse	S.41, DBAP

(See Appendix 1 for a list of further species recorded in this SNA)

Nature conservation designations

Please refer to a site's formal citation for a complete consideration of the reasons for its designation.

Designation	Site Name	Description
SSSI	Brendon and Vealand Fen	Herb rich mire and swamp communities
SSSI	Kingford Fen	Acidic grassland, flushes and neutral marshland subject to periodic inundation. Invertebrate interest.

In addition the SNA includes 2 County Wildlife Sites covering habitats including: Culm grassland and wet woodland.

There is a Devon Wildlife Trust nature reserve, Vealand Farm in this SNA.

3. UK BAP Priority habitat maintenance and restoration targets for SNA no 341, Brendon & Vealand

(the measurement unit is hectare unless stated otherwise and rounded up/down)

Maintenance targets (current extent of habitat) – 100 % favourable condition (based on NBN habitat layers)

UK BAP priority habitat	Purple Moor Grass & Rush Pasture	Lowland mixed deciduous woodland	Wet Woodland	Woodland TOTAL	Fens	TOTAL
Minimum area *	2	1	2	3	0.75	5.75
Maximum area #	29	1	2	3	26	58

* current extent of habitat = a + b

a) sum of all the areas of criterion 1 polygons

b) number of criterion 2 polygons multiplied by the minimum mappable unit for that habitat

[criterion 3 polygons not included]

current extent of habitat = criterion 1 + criterion 2 + criterion 3

Theoretical restoration/creation targets using Rebuilding Biodiversity (RB) methodology:

The Rebuilding Biodiversity in the South West Technical Manual, November 2005 suggests the following restoration/creation targets for a Strategic Nature Area profile where the priority habitat is purple moor grass & rush pasture.

- 30% cover of priority habitat
- 30% cover of other semi-natural habitat
- 40% cover of other land uses.

This SNA profile will be further developed as follows:

4. Opportunities for habitat restoration and creation in the SNA

This is an optional but desirable section to be completed by local experts and which would outline the practical opportunities for habitat restoration and creation on the ground. This may include emphasising the importance of an SNA for habitats additional to the primary one for which it was identified or, indeed, for particular species.

This section can also be used to develop more realistic habitat restoration targets, which could then be used to refine the theoretical targets listed above.

5. Constraints to habitat restoration and creation in the SNA

As above, but in this case outlining the constraints to habitat restoration and creation in the SNA.

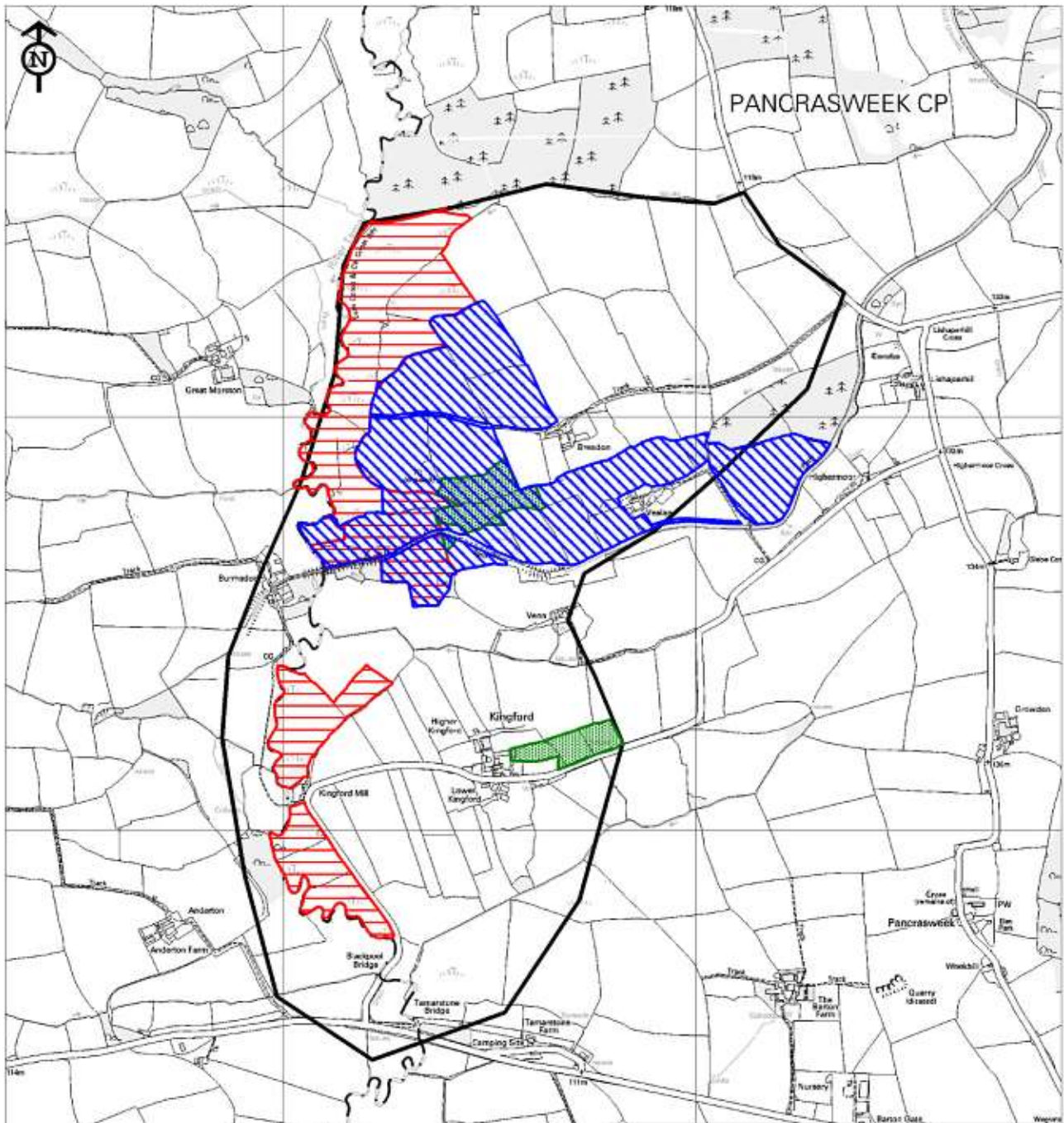
6. Other information




This is another optional section reliant upon local knowledge of the SNA. This section can be used for any other information that might be useful. It may be particularly useful for those SNAs within which there current projects or for which projects are planned.

Contents could include:

- Restoration targets for BAP habitats additional to the main nature map habitat.
- Maps detailing areas for restoration
- Nature conservation objectives
- And so on.

Designated sites within SNA no 341,
Brendon & Vealand (2009)



-  Site of Special Scientific Interest (SSSI)
-  County Wildlife Site (CWS)
-  Devon Wildlife Trust nature reserve

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Appendix 1: Legally protected & notable species recorded in SNA no 341, Brendon & Vealand.

(Please note there will be additional species to this in the SNA which haven't been recorded yet)

Common name	Scientific name	Status
Barn Owl	<i>Tyto alba</i>	DBAP; Amber
Brown Hare	<i>Lepus europaeus</i>	S.41; DBAP
Buff Ermine	<i>Spilosoma luteum</i>	S.41
Bullfinch	<i>Pyrrhula pyrrhula</i>	S.41; Red
Common Dormouse	<i>Muscardinus avellanarius</i>	S.41; DBAP
Common Frog	<i>Rana temporaria</i>	WCA
Common Toad	<i>Bufo bufo</i>	S.41
Curlew	<i>Numenius arquata</i>	S.41; DBAP; Amber
Devon Carpet	<i>Lampropteryx otregiata</i>	Nb
Dunnock	<i>Prunella modularis</i>	Amber
English Scurvygrass	<i>Cochlearia anglica</i>	DN2
Grass Snake	<i>Natrix natrix</i>	S.41
Grasshopper Warbler	<i>Locustella naevia</i>	S.41; Red
Green Hairstreak	<i>Callophrys rubi</i>	Decline
Green Sandpiper	<i>Tringa ochropus</i>	Amber
House Martin	<i>Delichon urbica</i>	Amber
Japanese Knotweed	<i>Fallopia japonica</i>	WCA
Keeled Skimmer	<i>Orthetrum coerulescens</i>	KeyD (N)
Lesser Butterfly-Orchid	<i>Platanthera bifolia</i>	S.41; DN3
Marsh Cinquefoil	<i>Potentilla palustris</i>	DN3
Marsh Fritillary	<i>Eurodryas aurinia</i>	S.41; DBAP; Nb
Marsh Tit	<i>Parus palustris</i>	Red
Marsh Valerian	<i>Valeriana dioica</i>	DN3
Mistle Thrush	<i>Turdus viscivorus</i>	Amber
Narrow Buckler-Fern	<i>Dryopteris carthusiana</i>	DN3
Narrow-bordered hawk-moth	<i>Hemaris tityus</i>	S.41; Na
Otter	<i>Lutra lutra</i>	S.41; DBAP
Primrose	<i>Primula vulgaris</i>	DBAP
Roe Deer	<i>Capreolus capreolus</i>	WCA
Round-leaved Crowfoot	<i>Ranunculus omiophyllus</i>	DN1
Slow-Worm	<i>Anguis fragilis</i>	S.41
Small Heath	<i>Coenonympha pamphilus</i>	S.41
Snipe	<i>Gallinago gallinago</i>	Amber
Song Thrush	<i>Turdus philomelos</i>	S.41; Red
Starling	<i>Sturnus vulgaris</i>	Red
Swallow	<i>Hirundo rustica</i>	Amber
Sweet-Briar	<i>Rosa rubiginosa</i> agg.	DN2
Teal	<i>Anas crecca</i>	Amber
Tree Pipit	<i>Anthus trivialis</i>	S.41; Amber
Viviparous Lizard	<i>Lacerta vivipara</i>	S.41
Wall Brown	<i>Lasiommata megera</i>	S.41
Wavy St. John's-Wort	<i>Hypericum undulatum</i>	NS; DN2
Whorled Caraway	<i>Carum verticillatum</i>	DN2
Willow Warbler	<i>Phylloscopus trochilus</i>	Amber
Wood Club-Rush	<i>Scirpus sylvaticus</i>	DN3
Wood White	<i>Leptidea sinapis</i>	S.41; Nb
Woodcock	<i>Scolopax rusticola</i>	Amber

S.41	Species or habitat of principal importance in England (i.e. English BAP priority species / habitat) – see Section 41 of the Natural Environment and Rural Communities Act (2006).
DBAP	Devon Biodiversity Action Plan species: these have been identified as species of key conservation concern in Devon.
NS	Nationally Scarce: 15-100 10km squares in Atlas of British Flora 1962.
	Devon Notable Species: species recorded from 2km squares in the Atlas of Devon Flora 1984 (R.B. Ivimey-Cook, Department of Biological Sciences, The University of Exeter).
DN1	Devon Notable¹: 1-25 2 km squares in Atlas of Devon Flora 1984.
DN2	Devon Notable²: 26-50 2 km squares in Atlas of Devon Flora 1984.
DN3	Devon Notable³: Selected species recorded from over 50 2 km squares in Atlas of Devon Flora 1984.
DR	Devon Rarity: native species recorded from 3 or fewer localities within Devon.
Nb	Nationally Notable B: known from 100 or fewer 10km squares. Taken from the Invertebrate Site Register.
Decline	Substantial local decline in Devon
Red List	Bird species of high conservation concern, such as those whose population or range is rapidly declining, recently or historically, and those of global conservation concern.
Amber List	Bird species of medium conservation concern, such as those whose population is in moderate decline, rare breeders, internationally important and localised species and those of unfavourable conservation status in Europe.
KeyD (N)	Nationally Important Key Dragonfly Species: those which have been recorded in less than 10% of 10km squares in Britain. Those occurring in Devon are White-legged damselfly (<i>Playcnemis pennipes</i>) Scarce blue-tailed damselfly (<i>Ischnura pumilio</i>) Small red damselfly (<i>Ceragrion tenellum</i>) Hairy dragonfly (<i>Brachytron pratense</i>) Downy emerald (<i>Cordulia aenea</i>) and Keeled skimmer (<i>Orthoetrum coerulescens</i>).
WCA	Wildlife and countryside act (1981)