



## 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
SAC	Culm Grassland	Culm grassland: wet and dry heath, species rich Molinia mire & rush pasture. Plant, bird & invertebrate interest.
SSSI	Hares Down, Knowstone and Rackenford Moors	Lowland heathland; Lowland mixed deciduous woodland; Purple moor grass and rush pasture; Wet woodland

In addition the SNA includes three County Wildlife Sites covering habitats including: Culm grassland: species-rich Molinia mire, wet heath, rush pasture, unimproved and semi-improved neutral grassland & scrub. The Rackenford and Knowstone DWT reserve is present within this SNA.

There are no Regionally Important Geological Sites.

## 3. UK BAP Priority habitat maintenance and restoration

**targets for SNA no 329** (the measurement unit is hectare unless stated otherwise and is rounded up/down)

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

UK BAP priority habitat	Lowland mixed deciduous woodland	Wet Woodland	Woodland TOTAL	Lowland Heathland	Fens**	Purple Moor Grass & Rush Pasture	TOTAL
Minimum area *	1	0	1	15	0	0.5	5
Maximum area #	1	3	4	24	58	40	130

\* 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

\*\*The NBN habitat layer has a large area in this SNA mapped as 'lowland fen' however there is some doubt over the accuracy of this. Little reference could be found to fen habitat in survey data relating to this area and there is often confusion over the definition of fen and how it overlaps with mire, swamp and bog.

## **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.

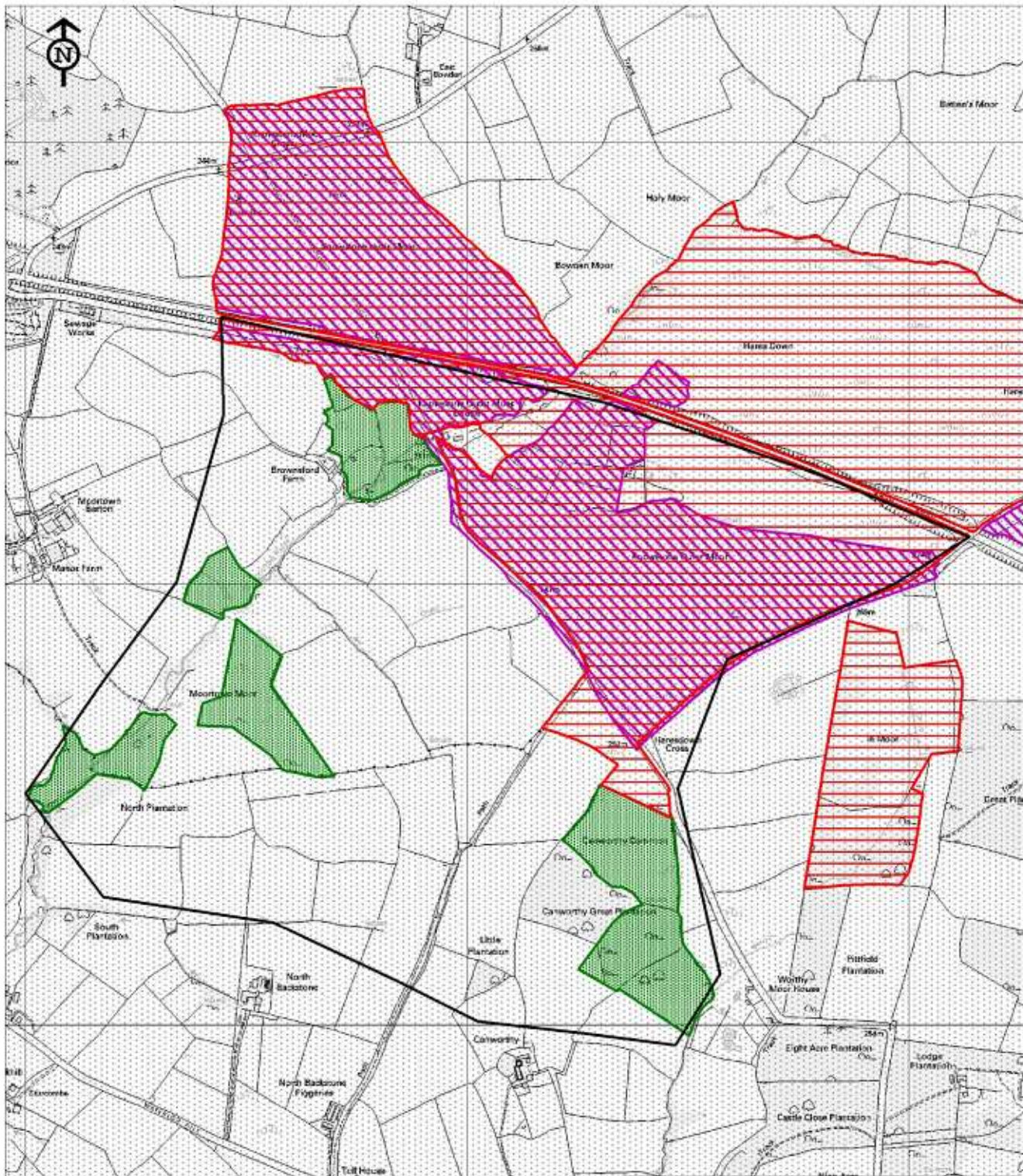
### **6. Other information**

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 329 Knowstone Moor (2009)



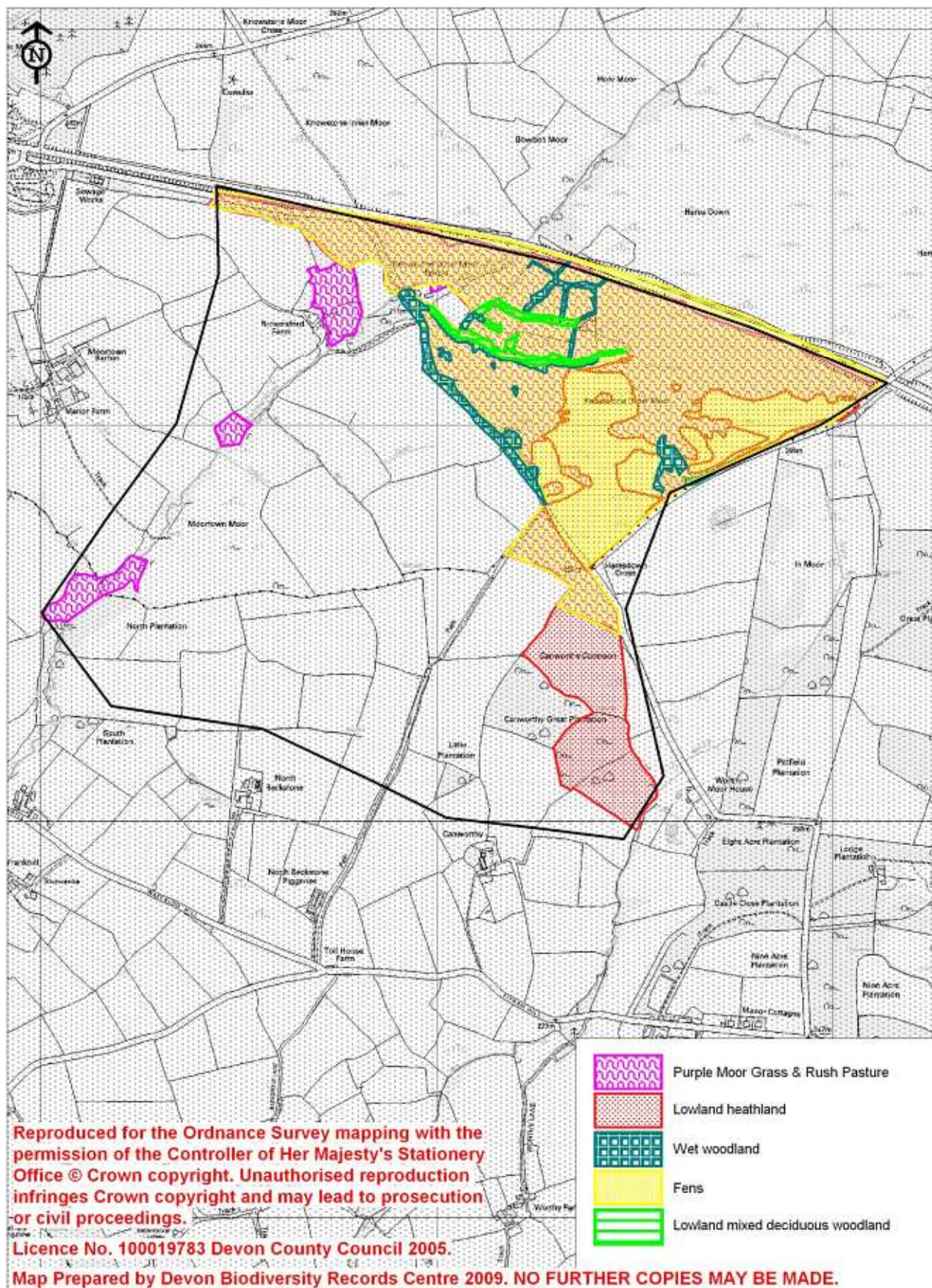
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-  Devon Wildlife Trust nature reserve
-  County Wildlife Site (CWS)
-  Special Area of Conservation (SAC) & Site of Special Scientific Interest (SSSI)

**Selected UK BAP priority habitats  
within SNA 329 Knowstone Moor (2009)**



Appendix 1: Legally protected and notable species found within SNA 329 Knowstone Moor

Common name	Scientific name	Status
Bottle Sedge	<i>Carex rostrata</i>	DN3
Curlew	<i>Numenius arquata</i>	S.41; DBAP; Amber
Fine-leaved Sheep's-fescue	<i>Festuca filiformis</i>	DN1
Grasshopper Warbler	<i>Locustella naevia</i>	S.41; Red
Green Hairstreak	<i>Callophrys rubi</i>	Decline
Ivy-leaved Bellflower	<i>Wahlenbergia hederacea</i>	DN3
Kestrel	<i>Falco tinnunculus</i>	Amber
Lesser Butterfly-orchid	<i>Platanthera bifolia</i>	S.41; DN3
Marsh Fritillary	<i>Eurodryas aurinia</i>	S.41; DBAP; Nb
Red Deer	<i>Cervus elaphus</i>	DA
Reed Bunting	<i>Emberiza schoeniclus</i>	S.41; Amber
Roe Deer	<i>Capreolus capreolus</i>	DA
Round-leaved Crowfoot	<i>Ranunculus omiophyllus</i>	DN1
Slender Spike-rush	<i>Eleocharis uniglumis</i>	DN1; DR
Small Heath	<i>Coenonympha pamphilus</i>	S.41
Small Pearl-bordered Fritillary	<i>Boloria selene</i>	S.41; Decline
Snipe	<i>Gallinago gallinago</i>	Amber
Tree Pipit	<i>Anthus trivialis</i>	S.41; Red
Viviparous Lizard	<i>Lacerta vivipara</i>	S.41
Welsh Poppy	<i>Meconopsis cambrica</i>	NS

**WCA Wildlife and Countryside Act (1981)**

**DA Deer Act 1991:** deer protected under the Deer Act.

**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.

**NR Nationally Rare:** 1-15 10km squares in Atlas of British Flora 1962.

**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 Notable<sup>1</sup>:** 1-25 2 km squares in Atlas of Devon Flora 1984.

**DN2 Devon Notable<sup>2</sup>:** 26-50 2 km squares in Atlas of Devon Flora 1984.

**DN3 Devon Notable<sup>3</sup>:** 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.

**Na Nationally Notable A:** known from 30 or fewer 10km squares. Taken from the Invertebrate Site Register.

- 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.

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