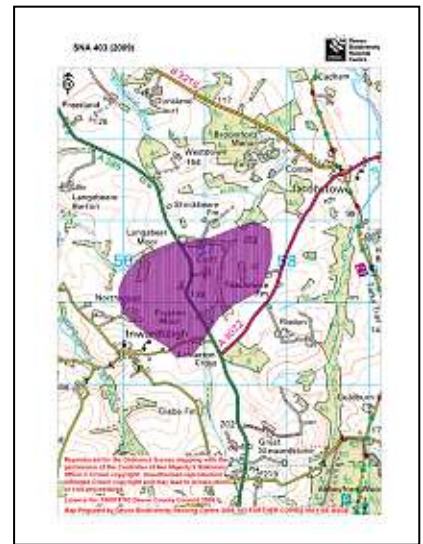


## 1. SNA details

<b>SNA name:</b>	Southmoor
<b>SNA unique number:</b>	403
<b>SNA area (ha):</b>	186.51



## 2. Summary of nature conservation interest

### Priority BAP habitats:

<b>Main Regional Nature Map habitat:</b>	Purple Moor Grass and Rush Pasture
<b>Other Regional Nature Map habitat(s):</b>	
<b>Other UK BAP habitats:</b>	Lowland Meadow, Hedges, Rivers.

This SNA is divided by the A386 and consists of a stream valley for Beckamoore Brook, a tributary of the River Okement to the East of the A386 and an area of shallowly-sloping fields to the West including Southmoor Farm SSSI and Preston Moor.

Areas of purple moor grass and rush pasture occur in a mosaic with scrub and woodland providing excellent habitat for birds, invertebrates and mammals. Southmoor Farm SSSI is traditionally managed for hay and as such is particularly floristically rich with many Devon notable plant species. Aerial photos (2006) show there could be further areas of purple moor grass and rush pasture and semi-natural woodland along the stream valley which haven't been surveyed yet.

<b>Important species or species assemblage</b>	<b>Status</b>
Devon notable flowering plants associated with culm grassland e.g. Lesser Butterfly Orchid, Wavy-Leaved St John's Wort, Petty Whin.	S.41 (Lesser Butterfly Orchid) Devon notable plants (all)
Hay meadow species at Southmoor Farm SSSI e.g. Great Burnet, Yellow Rattle, Southern Marsh Orchid.	Devon notable plant (Great Burnet)
Butterfly food plants e.g. Devils Bit Scabious.	
Butterflies e.g. Marsh Fritillary, Small Heath, Silver-washed Fritillary.	S.41 (Marsh Fritillary, Small Heath) DBAP, Nationally notable (Marsh Fritillary)
Breeding Birds e.g. Reed Bunting, Willow Tit, Lesser Whitethroat.	S.41 (Reed Bunting) Red bird list (Reed Bunting, Willow Tit)
Mammals e.g. Harvest Mouse, Noctule Bat.	S.41

The species list above is taken from the SSSI citation, County Wildlife Site (CWS) survey cards or as incidental records for this SNA. See Appendix 1 for further species recorded in SNA 403.

## 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	Southmoor Farm	Herb-rich culm grassland, with marshland, scrub & woodland. Traditionally managed for hay; butterfly site.

In addition the SNA includes 3 County Wildlife Sites covering habitats including: culm grassland, semi-improved grassland, species-rich acidic grassland, scrub and woodland.

There are no Regionally Important Geological Sites within this SNA.

### 3. UK BAP Priority habitat maintenance and restoration targets for SNA no 403

(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	Purple Moor Grass and Rush Pasture	Lowland Mixed Deciduous Woodland	Fens	TOTAL
Minimum area *	0.5			0.5
Maximum area #	54	6	28	88

\* current extent of habitat = a + b

a) sum of all the areas of criterion 1 polygons (*Definitely is*)

b) number of criterion 2 polygons multiplied by the minimum mappable unit for that habitat (*Definitely present within polygon but not mappable*)

[criterion 3 polygons not included] (*Probably the Priority Habitat but some uncertainty of interpretation*)

# 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 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.

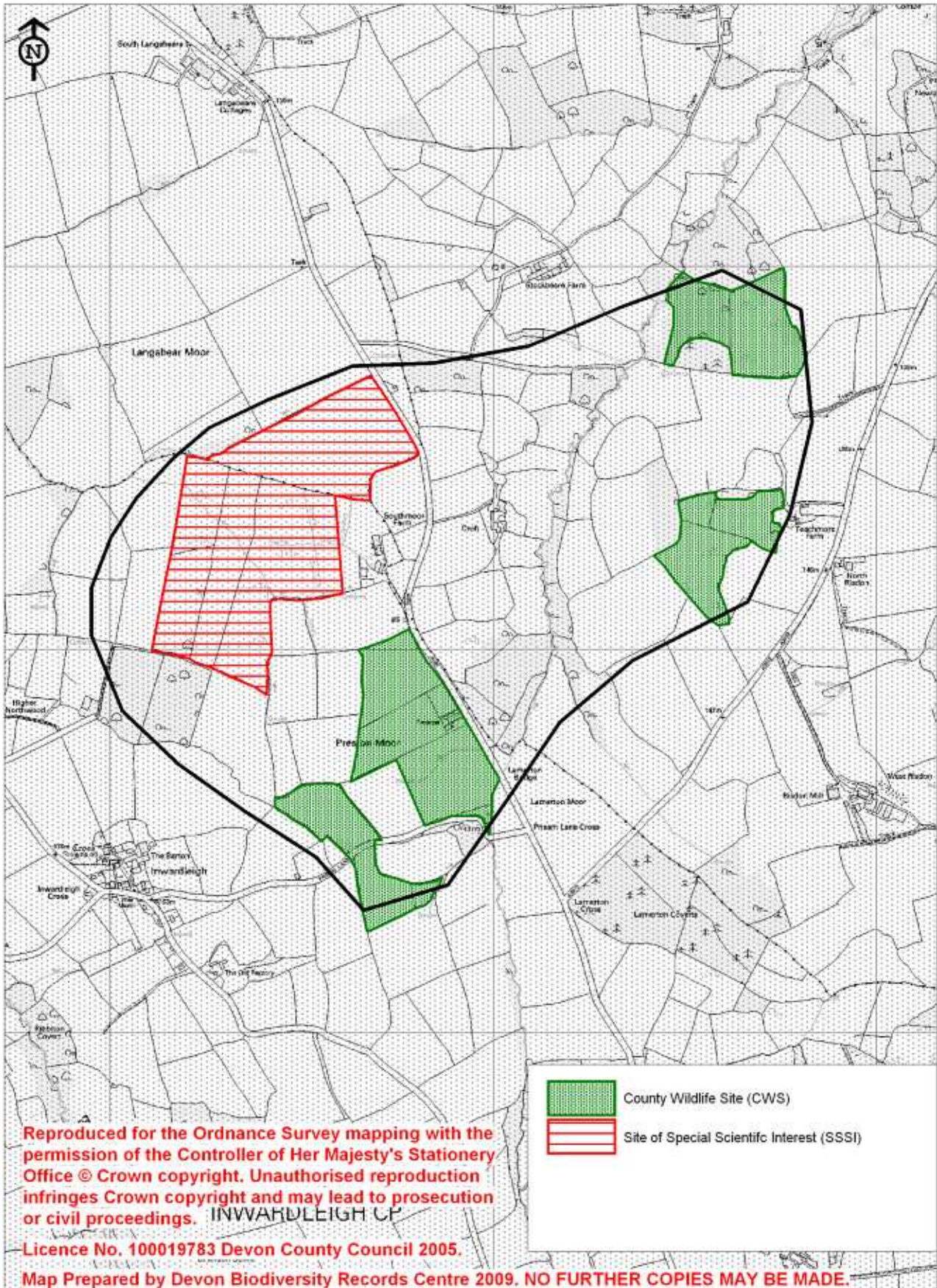
### **6. Other information**

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.

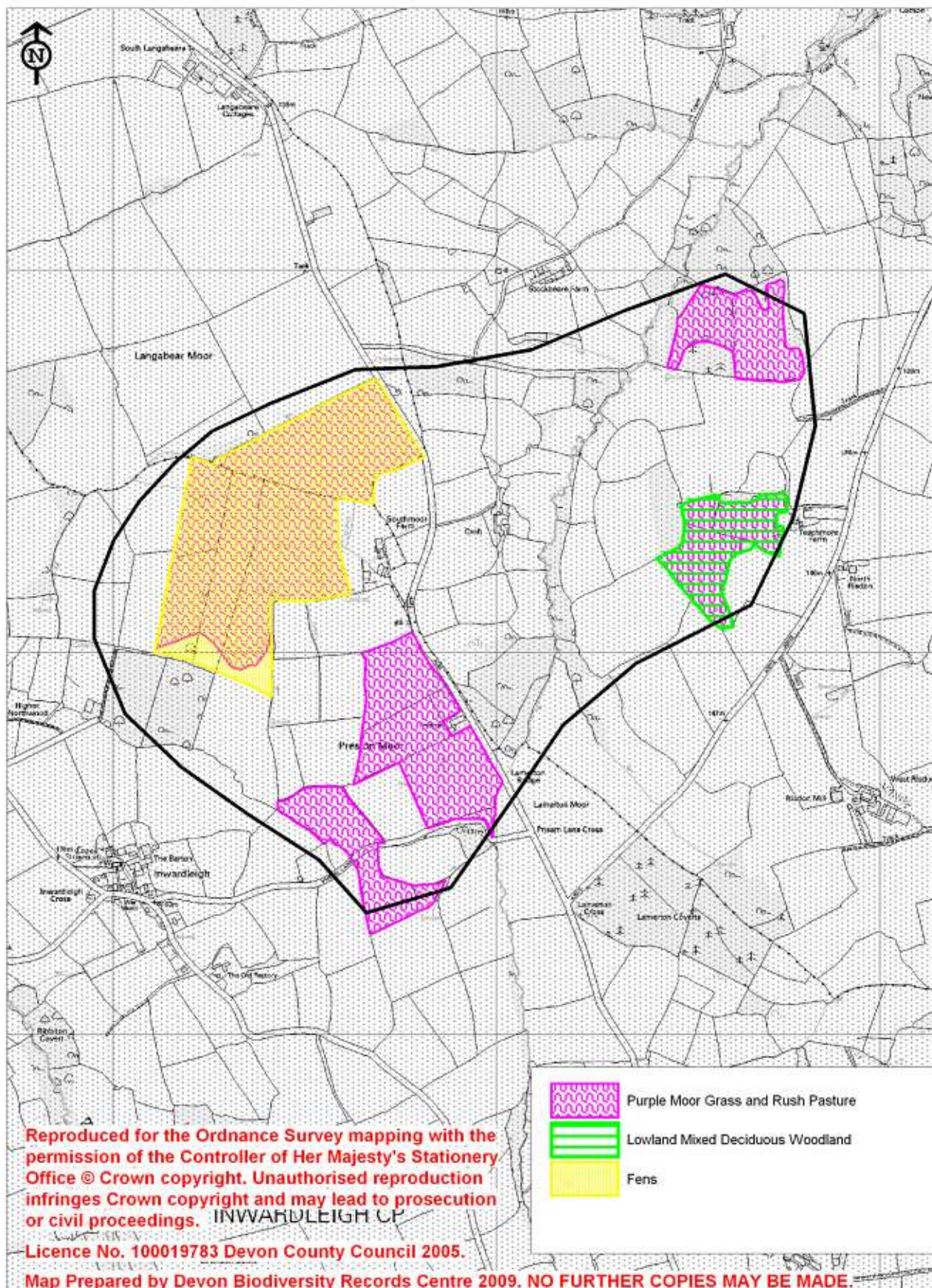
Contents could include:

- 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 403 (2009)



# Selected UKBAP priority habitats within SNA 403 (2009)



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Appendix 1: Legally protected and notable species within SNA 403 (2009)

Common Name	Scientific name	Status
Marsh Fritillary	<i>Eurodryas aurinia</i>	S.41; DBAP; Nb
Petty Whin	<i>Genista anglica</i>	DN3
Purple Hairstreak	<i>Quercusia quercus</i>	Decline
Red Deer	<i>Cervus elaphus</i>	DA
Small Heath	<i>Coenonympha pamphilus</i>	S.41
Wavy St. John's-Wort	<i>Hypericum undulatum</i>	NS; DN2

- 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.
- 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).
- 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.
- Nb**                **Nationally Notable B:** known from 100 or fewer 10km squares. Taken from the Invertebrate Site Register.
- Decline**         Substantial local decline in Devon