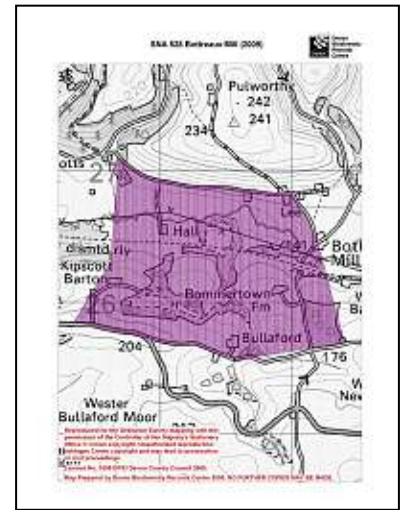


## 1. SNA details

|                           |                |
|---------------------------|----------------|
| <b>SNA name:</b>          | Bottreaux Mill |
| <b>SNA unique number:</b> | 528            |
| <b>SNA area (ha):</b>     | 204.72         |



## 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 mixed deciduous woodland, wet woodland, fen, hedges, rivers |

This SNA is one of a number north of the Knowstone and Rackenford Culm grassland sites. It lies to the south of a fairly steep hill, and contains a west-facing valley. The most common priority habitat is Purple Moor Grass & Rush Pasture (PMG), but there is also two Lowland mixed deciduous woodland sites and a very small amount of wet woodland. Some of the culm grassland County Wildlife Sites have been surveyed recently, and the culm grassland is species-rich and in good condition. The rest of the SNA consists of farmland and secondary. The land is generally between 135 and 200 metres above sea level.

The SNA is adjacent to SNAs 471 and 558, which also contain purple moor grass and rush pasture, and it overlaps with SNA 366, which is a woodland SNA.

| <b>Important species or species assemblage</b>  | <b>Status</b>   |
|---|---|
| Devon notable flowering plants e.g. Lesser Butterfly Orchid, Wavy-Leaved St John's Wort, <b>Marsh Cinquefoil, Marsh Valerian, Petty Whin, Primrose.</b> | S.41 (Lesser Butterfly Orchid)<br>DBAP (Primrose)<br>Devon notable plants   |
| Butterfly food plants e.g. <b>Devils Bit Scabious.</b>  |   |
| Butterflies e.g. Marsh Fritillary, <b>Small Pearl-Bordered Fritillary, Brown Hairstreak</b>   | S.41 (Marsh Fritillary & Small Pearl-Bordered Fritillary, Brown Hairstreak)<br>DBAP (Marsh Fritillary)<br>Nationally notable (Marsh Fritillary, Brown Hairstreak) |
| Moths e.g. Narrow-bordered Bee Hawk-moth.   | S.41, Nationally notable  |
| Other invertebrates e.g. dragonflies, damselflies, spiders, flies, beetles.   |   |
| Farmland Birds e.g. Curlew, Barn-Owl, Snipe, Reed Bunting, <b>Bullfinch, Willow Tit.</b>  | S.41 (Reed Bunting, Bullfinch)<br>DBAP (Curlew, Barn Owl)<br>Red bird list (, Willow Tit)<br>Amber bird list (Curlew, Barn Owl, Snipe, Reed Bunting, Bullfinch)   |
| Dormouse  | S.41, DBAP  |
| Otter   | S.41, DBAP  |

See Appendix 1 for further species recorded in SNA 528

## Nature conservation designations

There are no designated sites within this SNA.

There are eight County Wildlife Sites covering habitats including: Culm grassland: species-rich Molinia mire and rush pasture, tall herb fen, swamp, dense bracken, gorse scrub, secondary woodland and wet secondary woodland.

There are no Regionally Important Geological Sites present.

## 3. UK BAP Priority habitat maintenance and restoration targets for SNA no 528

(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 | Purple moor grass and rush pasture | TOTAL |
|-------------------------|----------------------------------|--------------|----------------|------------------------------------|-------|
| Minimum area *          |                                  |              |                | 4                                  | 4     |
| Maximum area #          | 24                               | 8            | 32             | 21                                 | 53    |

\* 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 and 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.

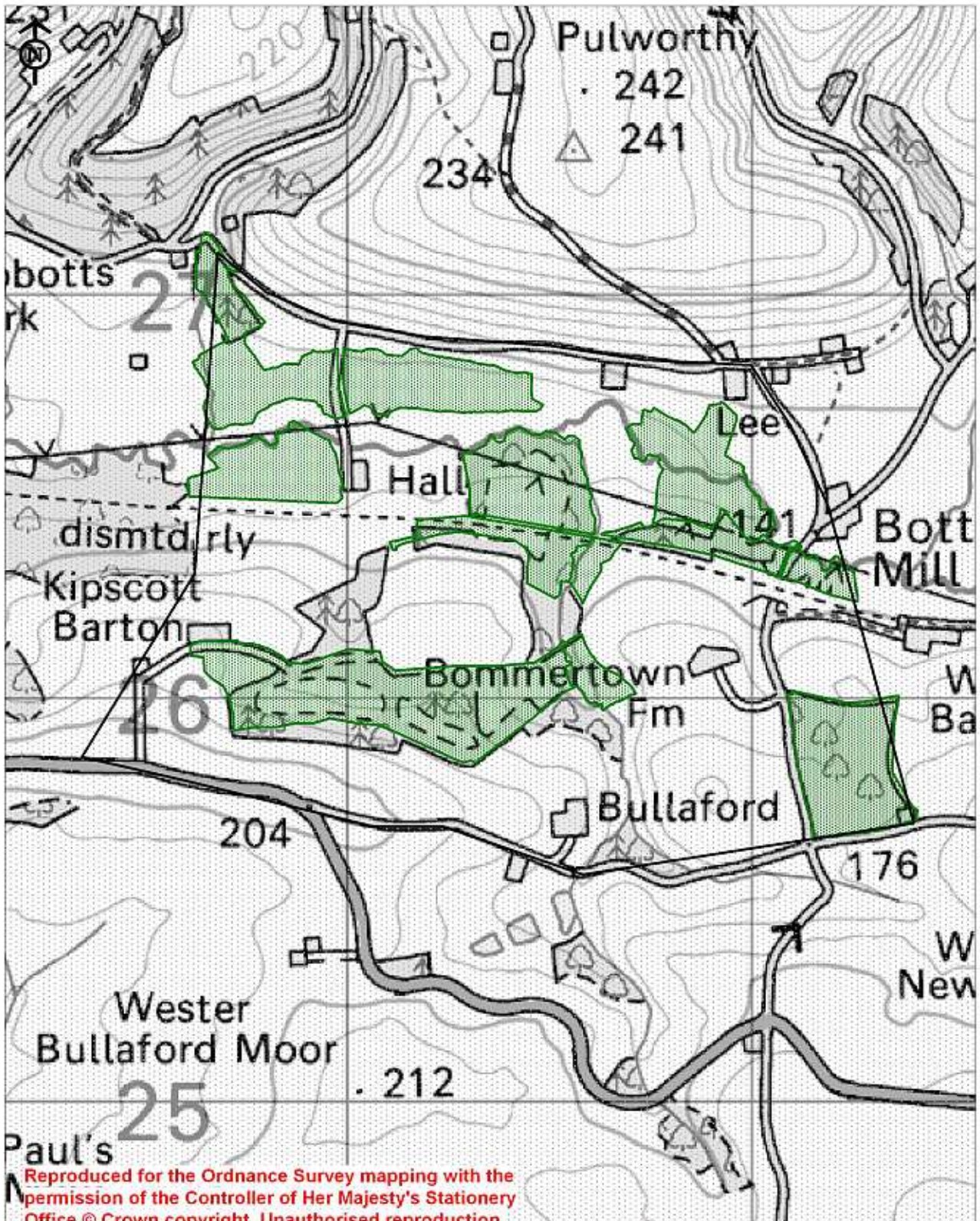
#### **6. Other information**

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 528 Bottreaux Mill (2009)

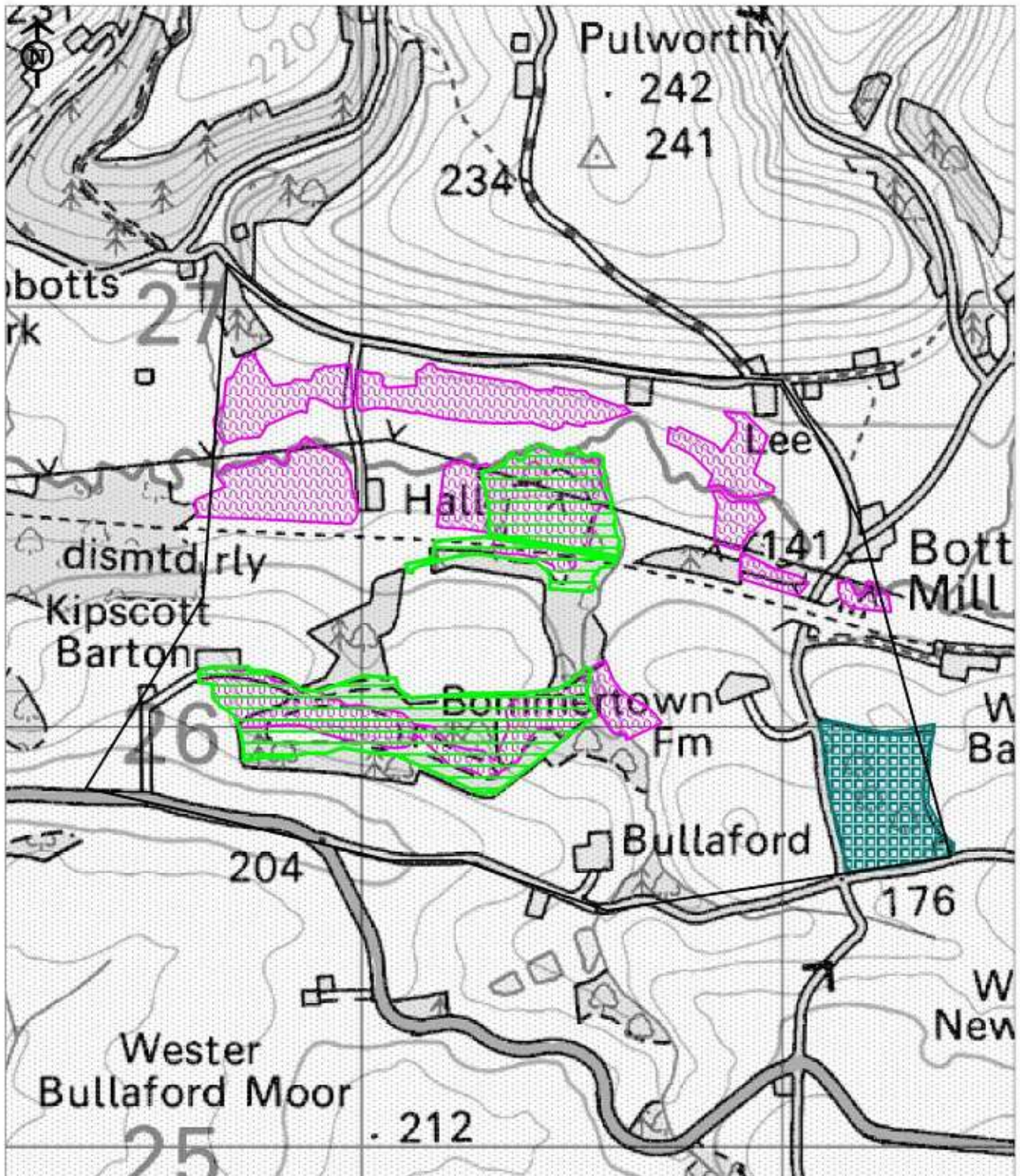


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Selected UKBAP Habitats within SNA 528  
Bottreaux Mill (2009)



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-  Purple Moor Grass and Rush Pasture
-  Lowland Mixed Deciduous Woodland
-  Wet Woodland

Appendix 1: Legally protected and notable species found within this SNA

| Common name                     | Scientific name           | Status        |
|---------------------------------|---------------------------|---------------|
| Bluebell                        | Hyacinthoides non-scripta | WCA           |
| Brown Hairstreak                | Thecla betulae            | WCA, S.41; Nb |
| Bullfinch                       | Pyrrhula pyrrhula         | S.41; Amber   |
| Marsh Cinquefoil                | Potentilla palustris      | DN3           |
| Marsh Valerian                  | Valeriana dioica          | DN3           |
| Petty Whin                      | Genista anglica           | DN3           |
| Primrose                        | Primula vulgaris          | DBAP          |
| Red Deer                        | Cervus elaphus            | DA            |
| Small Pearl-Bordered Fritillary | Boloria selene            | S.41; Decline |
| Willow Tit                      | Parus montanus            | Red           |

- 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.
- 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).
- 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
- 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.