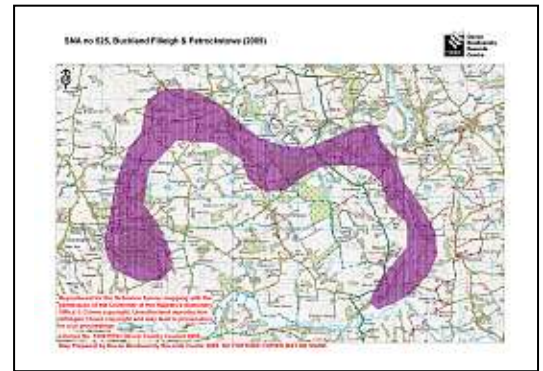


1. SNA details

SNA name:	Buckland Filleigh & Petrockstowe
SNA unique number:	525
SNA area (ha):	1,921.92



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):	Woodland
Other UK BAP habitats:	Wet Woodland, Lowland Mixed Deciduous Woodland, Hedges, Rivers, Ponds.

This SNA is designated an SNA for its Purple Moor Grass & Rush Pasture. However, there is none of this habitat digitised on the nbn habitat layers. There is some culm grassland recorded at Quarry Hill Farm County Wildlife Site (CWS) but the main semi-natural habitat of interest is semi-natural broadleaved woodland. These areas can be seen throughout the SNA from aerial photos (2006) and some of them are on the ancient woodland inventory but as yet haven't been surveyed. Furthermore the CWS at Heanton Satchville Park is designated for its veteran trees and lichens. There are significant areas of conifer plantation and improved farmland in this SNA. The River Torridge flows down the Eastern part of the SNA. Important species that have been recorded in this SNA include:

Important species or species assemblage	Status
Farmland Birds e.g. Barn-Owl, Snipe, Skylark, Yellowhammer.	S.41 (skylark, yellowhammer) DBAP (Curlew, Barn Owl) Red bird list (skylark, yellowhammer) Amber bird list (Barn Owl, Snipe)
Butterflies e.g. Marsh Fritillary, Small Pearl-Bordered Fritillary.	S.41 (Marsh Fritillary & Small Pearl-Bordered Fritillary) DBAP, Nationally notable (Marsh Fritillary)
Otter	S.41, DBAP
Rare lichens e.g. <i>Heterodermia japonica</i>	
Brown hare	S.41, DBAP
Ancient Woodland Indicator plants e.g. Cornish Moneywort, Primrose	DBAP (primrose) Devon notable, nationally scarce (Cornish Moneywort)
Veteran trees in Heanton Satchville Park	
Bats e.g. Brown Long-eared Bat and Lesser Horseshoe bat	S.41
Devon Whitebeam (<i>Sorbus devoniensis</i>)	DBAP, Devon notable, nationally scarce

Appendix 1 shows further species that have been recorded in this SNA.

Nature conservation designations

There are no statutory sites within this SNA

The SNA includes 3 County Wildlife Sites covering habitats including: Culm grassland, unimproved acid grassland, wet and dry semi-natural broadleaved woodland and parkland with veteran trees and lichen interest.

There are no Regionally Important Geological Sites in this SNA.

3. UK BAP Priority habitat maintenance and restoration targets for SNA no 525, Buckland Filleigh & Petrockstowe

(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	Coastal & floodplain grazing marsh	Undetermined Woodland	Lowland beech & yew woodland	Woodland TOTAL	TOTAL
Minimum area *					
Maximum area #	0.63	0.86	56 **	56.86	57.49

* 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

** The Accuracy of this habitat data is questionable as this habitat type is not usually found in Devon. These areas of woodland are more likely to be lowland mixed deciduous woodland.

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.

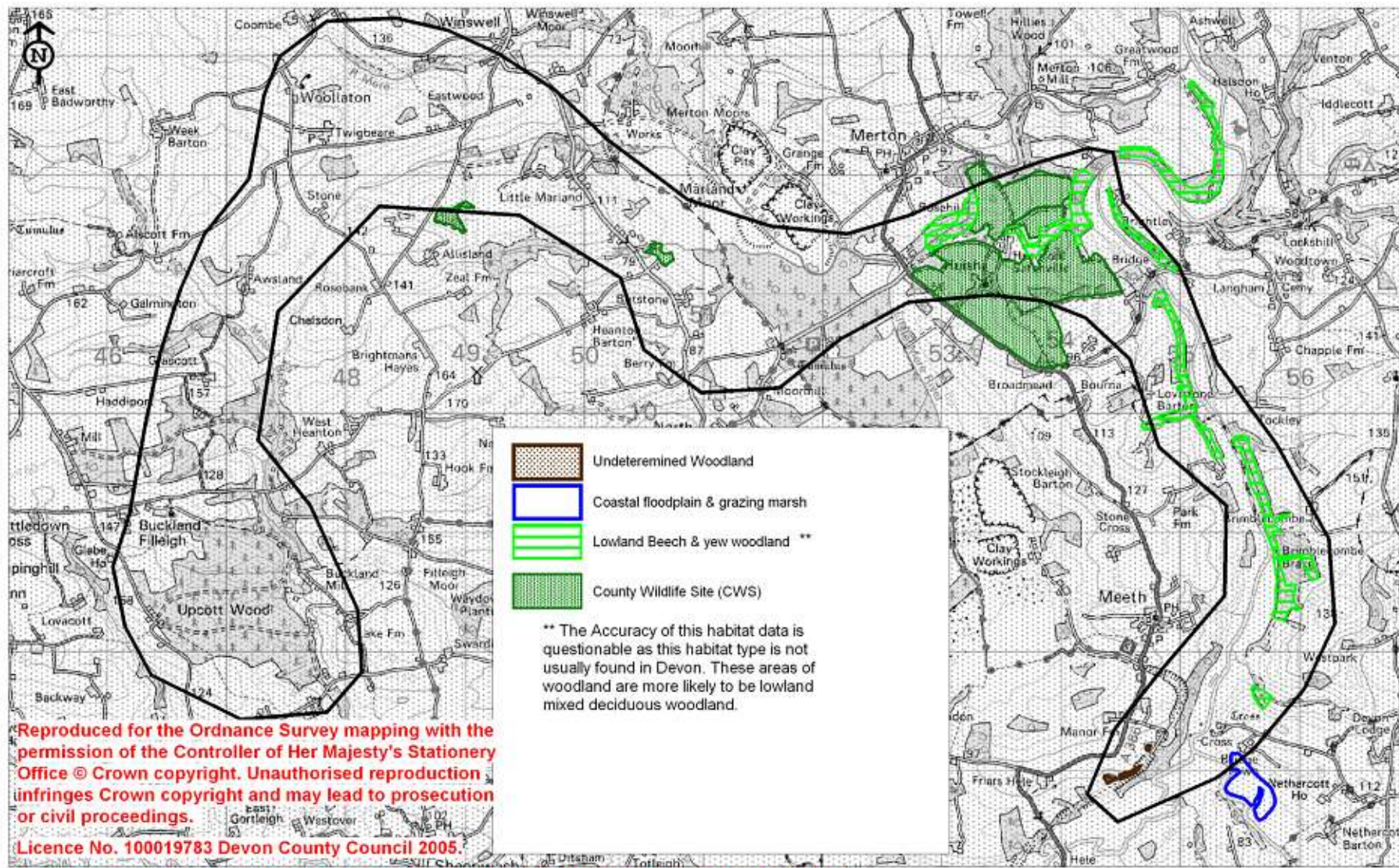
6. Other information

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 and selected UKAP habitats within SNA no 525 (2009)



Map Prepared by Devon Biodiversity Records Centre 2009. NO FURTHER COPIES MAY BE MADE.

Appendix 1: legally protected & notable species recorded within SNA no 525

Common name	Scientific name	Status
Badger	<i>Meles meles</i>	
Barn Owl	<i>Tyto alba</i>	DBAP; Amber
Black-Headed Gull	<i>Larus ridibundus</i>	Amber
Brambling	<i>Fringilla montifringilla</i>	
Brown Hairstreak	<i>Thecla betulae</i>	S.41; Nb
Brown Hare	<i>Lepus europaeus</i>	S.41; DBAP
Brown Long-eared Bat	<i>Plecotus auritus</i>	S.41
Bullfinch	<i>Pyrrhula pyrrhula</i>	S.41; Red
Cinnabar	<i>Tyria jacobaeae</i>	S.41
Common Shrew	<i>Sorex araneus</i>	
Cormorant	<i>Phalacrocorax carbo</i>	Amber
Cornish Moneywort	<i>Sibthorpia europaea</i>	NS; DN3
Cuckoo	<i>Cuculus canorus</i>	S.41; Amber
Cyclamen	<i>Cyclamen hederifolium</i>	DN1; RDB2
Cyperus Sedge	<i>Carex pseudocyperus</i>	DN1
Dark Green Fritillary	<i>Argynnis aglaja</i>	Decline
Dunnock	<i>Prunella modularis</i>	Amber
Dwarf Chickweed	<i>Moenchia erecta</i>	DN2
Fieldfare	<i>Turdus pilaris</i>	Amber
French hales	<i>Sorbus devoniensis</i>	DBAP; NS; DN1
Freshwater Pearl Mussel	<i>Margaritifera margaritifera</i>	S.41; DBAP; Nb; Vul (C&W87)
Fringed Water-lily	<i>Nymphoides peltata</i>	NS; DN1; DR
Goldcrest	<i>Regulus regulus</i>	Amber
Green Hairstreak	<i>Callophrys rubi</i>	Decline
Green Woodpecker	<i>Picus viridis</i>	Amber
Grey Wagtail	<i>Motacilla cinerea</i>	Amber
Harvest Mouse	<i>Micromys minutus</i>	S.41
Heath Pearlwort	<i>Sagina subulata</i>	DN3
High Brown Fritillary	<i>Argynnis adippe</i>	S.41; RDB2
Hobby	<i>Falco subbuteo</i>	
House Martin	<i>Delichon urbica</i>	Amber
House Sparrow	<i>Passer domesticus</i>	S.41; Red
Japanese Knotweed	<i>Fallopia japonica</i>	
Kestrel	<i>Falco tinnunculus</i>	Amber
Kingfisher	<i>Alcedo atthis</i>	Amber
Knotted Clover	<i>Trifolium striatum</i>	DN2
Laneolate Spleenwort	<i>Asplenium obovatum</i>	NS; DN3
Least Duckweed	<i>Lemna minuta</i>	DN1; DR
Lesser Black-Backed Gull	<i>Larus fuscus</i>	Amber
Lesser Horseshoe Bat	<i>Rhinolophus hipposideros</i>	S.41
Linnet	<i>Carduelis cannabina</i>	S.41; Red
Little Egret	<i>Egretta garzetta</i>	Amber
Loddon Lily	<i>Leucojum aestivum</i>	NS; DN1; DR
Marsh Fritillary	<i>Eurodryas aurinia</i>	S.41; DBAP; Nb
Marsh Tit	<i>Parus palustris</i>	Red
Meadow Pipit	<i>Anthus pratensis</i>	Amber
Mistle Thrush	<i>Turdus viscivorus</i>	Amber
Musk Stork's-Bill	<i>Erodium moschatum</i>	NS; DR
Nuttall's Water-Weed	<i>Elodea nuttallii</i>	DN1
Otter	<i>Lutra lutra</i>	S.41; DBAP
Pearl-bordered fritillary	<i>Boloria euphrosyne</i>	S.41; DBAP; Nb

Common name	Scientific name	Status
Peregrine	<i>Falco peregrinus</i>	Amber
Pipistrelle	<i>Pipistrellus pipistrellus</i>	
Primrose	<i>Primula vulgaris</i>	DBAP
Purple Hairstreak	<i>Quercusia quercus</i>	Decline
Pygmy Shrew	<i>Sorex minutus</i>	
Rat's-Tail Fescue	<i>Vulpia myuros</i>	DN2
Red Deer	<i>Cervus elaphus</i>	
Red Kite	<i>Milvus milvus</i>	Amber
Redwing	<i>Turdus iliacus</i>	Amber
Roe Deer	<i>Capreolus capreolus</i>	
Rosy Garlic	<i>Allium roseum</i>	DN1
Sand Martin	<i>Riparia riparia</i>	Amber
Shelduck	<i>Tadorna tadorna</i>	Amber
Skylark	<i>Alauda arvensis</i>	S.41; Red
Slow-worm	<i>Anguis fragilis</i>	S.41
Small Heath	<i>Coenonympha pamphilus</i>	S.41
Small Pearl-Bordered Fritillary	<i>Boloria selene</i>	S.41; Decline
Small Red Damselfly	<i>Ceriagrion tenellum</i>	Nb; KeyD (N)
Small-Flowered Sweet-Briar	<i>Rosa micrantha</i>	DN1
Snipe	<i>Gallinago gallinago</i>	Amber
Snowdrop	<i>Galanthus nivalis</i>	
Song Thrush	<i>Turdus philomelos</i>	S.41; Red
Spotted Flycatcher	<i>Muscicapa striata</i>	S.41; Red
Starling	<i>Sturnus vulgaris</i>	Red
Stock Dove	<i>Columba oenas</i>	Amber
Stonechat	<i>Saxicola torquata</i>	Amber
Swallow	<i>Hirundo rustica</i>	Amber
Viviparous Lizard	<i>Lacerta vivipara</i>	S.41
Wall Brown	<i>Lasiommata megera</i>	S.41
Water Fern	<i>Azolla filiculoides</i>	DN1
Water Vole	<i>Arvicola terrestris</i>	S.41; DBAP
Weasel	<i>Mustela nivalis</i>	
Whiskered Bat	<i>Myotis mystacinus</i>	
Willow Tit	<i>Parus montanus</i>	Red
Willow Warbler	<i>Phylloscopus trochilus</i>	Amber
Winter Aconite	<i>Eranthis hyemalis</i>	DN1
Wood White	<i>Leptidea sinapis</i>	S.41; Nb
Yellow Wagtail	<i>Motacilla flava</i>	Amber
Yellowhammer	<i>Emberiza citrinella</i>	S.41; Red

- 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.
- 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.
- 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.
- Decline** Substantial local decline in Devon

- 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.
- NS** **Nationally Scarce:** 15-100 10km squares in Atlas of British Flora 1962.
- 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 (*Playcnemis pennipes*) Scarce blue-tailed damselfly (*Ischnura pumilio*) Small red damselfly (*Ceriagrion tenellum*) Hairy dragonfly (*Brachytron pratense*) Downy emerald (*Cordulia aenea*) and Keeled skimmer (*Orthoetrum coerulescens*).
- RDB2** **Red Data Book 2:** Vulnerable. Taxa believed likely to move into the endangered category in the near future if casual factors continue to operate. Includes taxa which are still abundant but are under threat from serious adverse factors throughout their range.

Draft