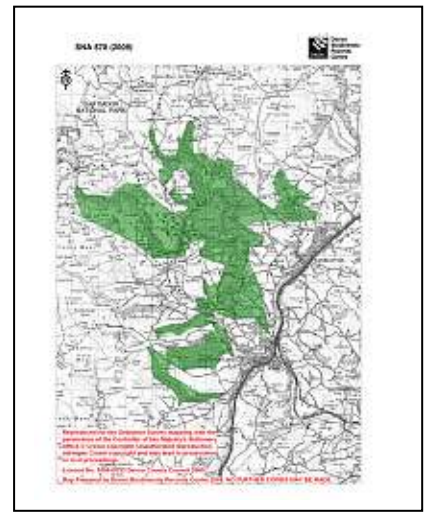


## 1. SNA details

<b>SNA name:</b>	Dart Valley
<b>SNA unique number:</b>	578
<b>SNA area (ha):</b>	2,755.33



## 2. Summary of nature conservation interest

### Priority BAP habitats

<b>Main Regional Nature Map habitat:</b>	Woodland
<b>Other Regional Nature Map habitat(s):</b>	
<b>Other UK BAP habitats:</b>	Lowland Mixed Deciduous Woodland, Upland Mixed Ashwoods, Upland Oakwood, Wet Woodland, Blanket Bog, Upland Heathland, Lowland Dry Acid Grassland, Lowland Meadow, Hedges, Rivers.

This SNA is within Dartmoor National Park and contains the ancient semi-natural woodlands of the River Valleys around the River Webburn and River Dart. The SNA contains extensive areas of ancient semi-natural oak woodland. The SNA also includes part of Holne Moor where areas of upland heathland, acidic grassland and blanket bog occur. Other woodland types present within the SNA include wet woodland, upland mixed ashwoods and lowland mixed deciduous woodland. This SNA supports a wealth of nationally important species including:

<b>Important species or species assemblage</b>	<b>Status</b>
Lichen communities at Holne Woodlands including the rare <i>Graphina ruiziana</i> .	Nationally important
Ancient woodland plant indicator species e.g. sanicle, woodruff.	Ancient woodland indicator species.
Bats e.g. roosting Greater and Lesser Horseshoe Bat, 55 Khz Pipistrelle, Brown Long-Eared.	S.41 DBAP (Greater Horseshoe)
Moths associated with woodlands e.g. Buff Ermine, Brindled Beauty, Small Phoenix.	S.41
Butterflies associated with heathlands and woodlands e.g. Grayling, High Brown Fritillary, Pearl Bordered Fritillary.	S.41 (all) DBAP (Pearl-bordered Fritillary) RDB2 (High Brown Fritillary) Nationally notable (Pearl-bordered Fritillary)
Common Dormouse	S.41; DBAP
Breeding woodland and riverine birds e.g. dipper, grey wagtail, great spotted woodpecker, wood warbler	S.41 (Wood Warbler) Amber bird list (grey wagtail, wood warbler)
Spawning salmon and trout	S.41 (salmon)
Otter	S.41; DBAP

See Appendix 1 for further species recorded in SNA 578

For geology, the area is important for Dartmoor Granite at Leusdon common SSSI.

## 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	Dartmoor	Blanket bogs, European dry heaths, North Atlantic wet heaths, old sessile oak woods; southern damselfly, otter, salmon.
SAC	South Dartmoor Woods	Extensive areas of ancient semi-natural oak woodland
SSSI	Hembury Woods	Semi-natural oak woodland, with valley alderwood & unimproved heathy grassland
SSSI	South Dartmoor	Some of the most extensive areas of blanket bog, mixed valley mire & unimproved acidic grassland/heathland mosaic in SW England.
SSSI	Holne Woodlands	Extensive area of ancient semi-natural oak woodland with nationally important lichen communities
SSSI	Leusdon common	Scattered outcrops & abundant boulders of Dartmoor granite
SSSI	Buckland-in-the-moor	Mature trees supporting outstanding lichen flora

This SNA is within Dartmoor National Park.

In addition the SNA includes 12 County Wildlife Sites covering habitats including: semi-natural ancient woodland, wet woodland, rush pasture, semi-improved grassland, haymeadows.

There are 2 Devon Wildlife Trust nature reserves in this SNA: Dart Valley and Blackadon.

There are also 4 Regionally Important Geological Sites.

### 3. UK BAP Priority habitat maintenance and restoration targets for SNA no 578

(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	Upland Oak Wood	Upland Mixed Ashwoods	Lowland Mixed Deciduous Woodland	Wet Woodland	Lowland beech & yew woodland	Undetermined Woodland	Woodland TOTAL	Upland Heathland	Lowland Dry Acid Grassland	Fens	Lowland Meadow	TOTAL
Minimum area *	628	72	113	27			840				22	862
Maximum area #	628	73	113	27	77	0.45	918	113	1	14	22	1068.45

\* 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 semi-natural broadleaved woodland:

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**

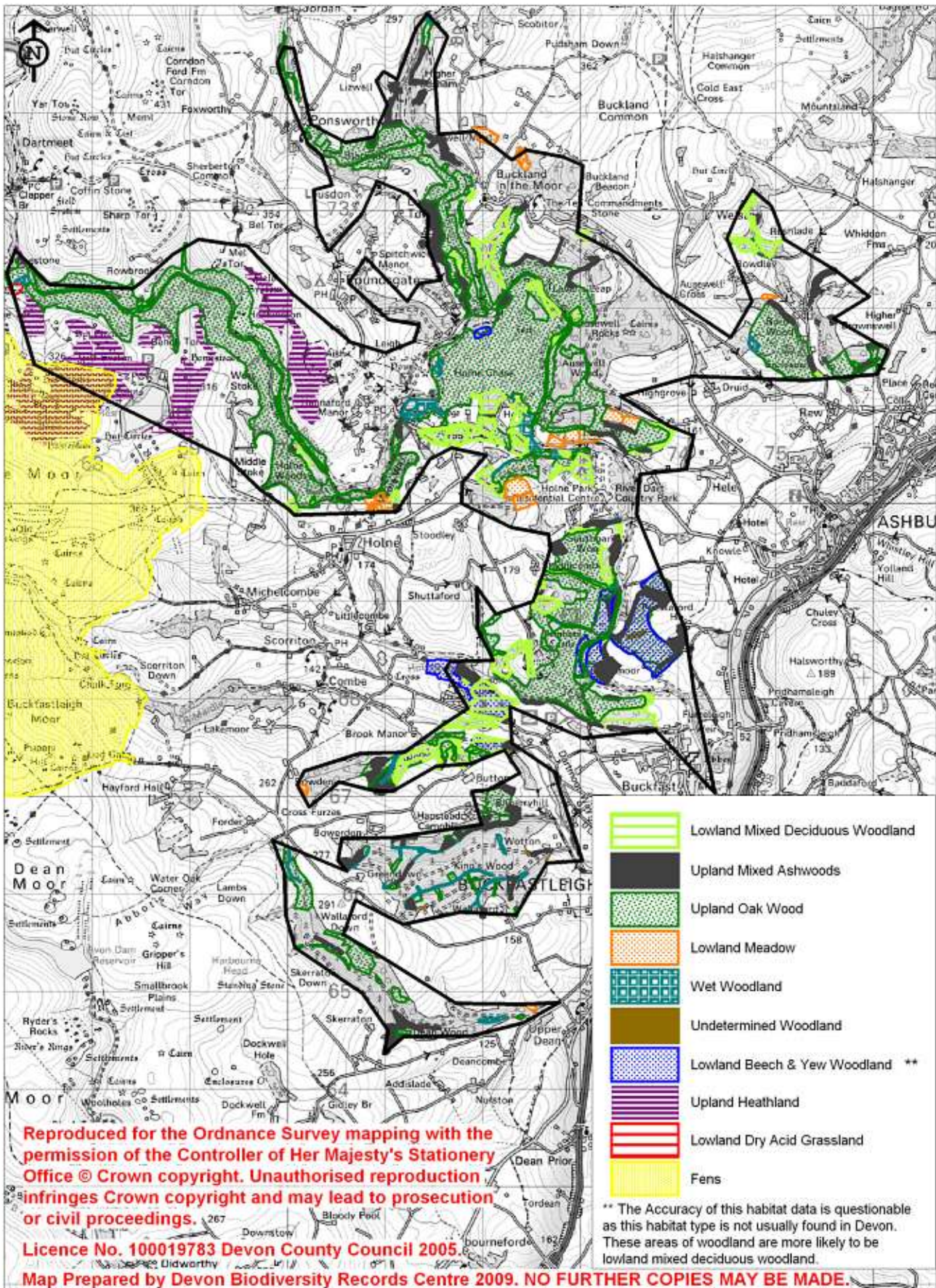
This is another optional section reliant upon local knowledge of the SNA. This section can be used for any other information that might be useful. It may be particularly useful for those SNAs within which there current projects or for which projects are planned.

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.



# Selected UKBAP priority habitats within SNA 578 (2009)



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\*\* 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.

Appendix 1: Legally protected & notable species records within SNA 578 (2009)

Common name	Scientific name	Status
45 Khz Pipistrelle	<i>Pipistrellus pipistrellus</i> 45kHz	WCA
55 Khz Pipistrelle	<i>Pipistrellus pipistrellus</i> 55kHz	S.41
A beetle	<i>Hydraena rufipes</i>	Nb
A moth	<i>Sorhagenia janiszewskae</i>	Na
Badger	<i>Meles meles</i>	WCA
Bastard Balm	<i>Melittis melissophyllum</i>	S.41; NS; DN2
Bird's-Nest Orchid	<i>Neottia nidus-avis</i>	DN1
Bleached Pug	<i>Eupithecia expallidata</i>	Nb
Brindled Beauty	<i>Lycia hirtaria</i>	S.41
Brown Hairstreak	<i>Thecla betulae</i>	S.41; Nb
Brown Long-Eared Bat	<i>Plecotus auritus</i>	S.41
Buff Ermine	<i>Spilosoma luteum</i>	S.41
Cloaked Carpet	<i>Euphyia biangulata</i>	Nb
Common Chamomile	<i>Chamaemelum nobile</i>	S.41; NS; DN3
Common Dormouse	<i>Muscardinus avellanarius</i>	S.41; DBAP
Common Frog	<i>Rana temporaria</i>	WCA
Common Shrew	<i>Sorex araneus</i>	WCA
Common Toad	<i>Bufo bufo</i>	S.41
Dark Green Fritillary	<i>Argynnis aglaja</i>	Decline
Dark-Barred Twin-Spot Carpet	<i>Xanthorhoe ferrugata</i>	S.41
Daubenton's Bat	<i>Myotis daubentoni</i>	WCA
Devon Carpet	<i>Lampropteryx otregiata</i>	Nb
Dingy Skipper	<i>Erynnis tages</i>	S.41; Decline
Dotted Carpet	<i>Alcis jubata</i>	Nb
Fine-leaved Sheep's-fescue	<i>Festuca filiformis</i>	DN1
Grayling	<i>Hipparchia semele</i>	S.41
Greater Butterfly-Orchid	<i>Platanthera chlorantha</i>	DN1
Greater Horseshoe Bat	<i>Rhinolophus ferrumequinum</i>	S.41; DBAP
Green Hairstreak	<i>Callophrys rubi</i>	Decline
Grey Dagger	<i>Acronicta psi</i>	S.41
High Brown Fritillary	<i>Argynnis adippe</i>	S.41; RDB2
Hornet robberfly	<i>Asilus crabroniformis</i>	S.41
Indet. Deer	<i>Cervidae</i>	DA
Ivy-leaved Bellflower	<i>Wahlenbergia hederacea</i>	DN3
Knotgrass	<i>Acronicta rumicis</i>	S.41
Knotted Pearlwort	<i>Sagina nodosa</i>	DN3
Lackey	<i>Malacosoma neustria</i>	S.41
Large Blue	<i>Maculinea arion</i>	S.41; RDBappx
Lead-Coloured Pug	<i>Eupithecia plumbeolata</i>	Nb
Lesser Butterfly-Orchid	<i>Platanthera bifolia</i>	S.41; DN3
Lesser Horseshoe Bat	<i>Rhinolophus hipposideros</i>	S.41
Marsh Oblique-Barred	<i>Hypenodes humidialis</i>	Nb
Marsh Valerian	<i>Valeriana dioica</i>	DN3
Narrow Buckler-Fern	<i>Dryopteris carthusiana</i>	DN3
Nightjar	<i>Caprimulgus europaeus</i>	S.41; DBAP; Red
Oil Beetle	<i>Meloe violaceus</i>	S.41
Otter	<i>Lutra lutra</i>	S.41; DBAP
Pearl Bordered fritillary	<i>Boloria euphrosyne</i>	S.41; DBAP; Nb
Pearl-bordered Fritillary	<i>Boloria euphrosyne</i>	S.41; DBAP; Nb
Peregrine	<i>Falco peregrinus</i>	Amber
Pipistrelle	<i>Pipistrellus pipistrellus</i>	WCA
Primrose	<i>Primula vulgaris</i>	DBAP

Common name	Scientific name	Status
Purple Hairstreak	<i>Quercusia quercus</i>	Decline
Roe Deer	<i>Capreolus capreolus</i>	DA
Round-leaved Crowfoot	<i>Ranunculus omiophyllus</i>	DN1
Royal Fern	<i>Osmunda regalis</i>	DN3
Rustic	<i>Hoplodrina blanda</i>	S.41
Small Heath	<i>Coenonympha pamphilus</i>	S.41
Small Pearl-bordered Fritillary	<i>Boloria selene</i>	S.41; Decline
Small Pheonix	<i>Ecliptopera silaceata</i>	S.41
Small Phoenix	<i>Ecliptopera silaceata</i>	S.41
Small Square-Spot	<i>Diarsia rubi</i>	S.41
Small-Leaved Lime	<i>Tilia cordata</i>	DN1
Viviparous Lizard	<i>Lacerta vivipara</i>	S.41
Wall Brown	<i>Lasiommata megera</i>	S.41
Welsh Poppy	<i>Meconopsis cambrica</i>	NS
White Admiral	<i>Ladoga camilla</i>	Decline
White Ermine	<i>Spilosoma lubricipeda</i>	S.41
White-line snout	<i>Schrankia taenialis</i>	Nb
Wild Service-Tree	<i>Sorbus torminalis</i>	DN2
Wilson's Filmy Fern	<i>Hymenophyllum wilsonii</i>	DN2
Wood White	<i>Leptidea sinapis</i>	S.41; Nb

<b>WCA</b>	<b>Wildlife and Countryside Act (1981)</b>
<b>DA</b>	<b>Deer Act 1991:</b> deer protected under the Deer Act.
<b>S.41</b>	<b>Species of principal importance in England (i.e. English BAP priority species)</b> – see Section 41 of the Natural Environment and Rural Communities Act (2006).
<b>DBAP</b>	<b>Devon Biodiversity Action Plan species:</b> these have been identified as species of key conservation concern in Devon.
<b>NR</b>	<b>Nationally Rare:</b> 1-15 10km squares in Atlas of British Flora 1962.
<b>NS</b>	<b>Nationally Scarce:</b> 15-100 10km squares in Atlas of British Flora 1962.
	<b>Devon Notable Species:</b> Selected species recorded from 2km squares in the Atlas of Devon Flora 1984 (R.B. Ivimey-Cook, Department of Biological Sciences, The University of Exeter).
<b>DN1</b>	<b>Devon Notable<sup>1</sup>:</b> 1-25 2 km squares in Atlas of Devon Flora 1984.
<b>DN2</b>	<b>Devon Notable<sup>2</sup>:</b> 26-50 2 km squares in Atlas of Devon Flora 1984.
<b>DN3</b>	<b>Devon Notable<sup>3</sup>:</b> Selected species recorded from over 50 2 km squares in Atlas of Devon Flora 1984.
<b>DR</b>	<b>Devon Rarity:</b> native species recorded from 3 or fewer localities within Devon.
<b>Na</b>	<b>Nationally Notable A:</b> known from 30 or fewer 10km squares. Taken from the Invertebrate Site Register.
<b>Nb</b>	<b>Nationally Notable B:</b> known from 100 or fewer 10km squares. Taken from the Invertebrate Site Register.
<b>Decline</b>	Substantial local decline in Devon
<b>Amber List</b>	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.
<b>RDB2</b>	<b>Red Data Book 2:</b> 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.