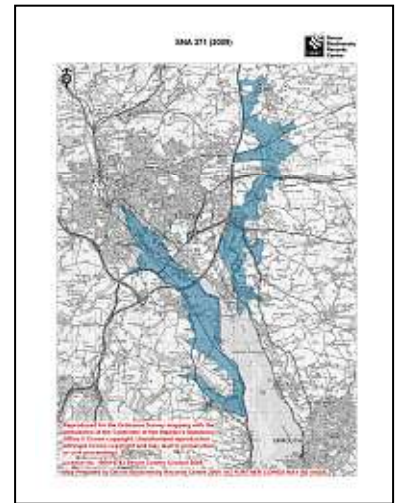


## 1. SNA details

|                           |                             |
|---------------------------|-----------------------------|
| <b>SNA name:</b>          | Lower Exe and Clyst Valleys |
| <b>SNA unique number:</b> | 371                         |
| <b>SNA area (ha):</b>     | 2,044.77                    |



## 2. Summary of nature conservation interest

### Priority BAP habitats:

|  |   |
|--|---|
| <b>Main Regional Nature Map habitat:</b>     | Coastal and Floodplain Grazing Marsh  |
| <b>Other Regional Nature Map habitat(s):</b> |   |
| <b>Other UK BAP habitats:</b>                | Coastal and floodplain grazing marsh, lowland mixed deciduous woodland, reedbeds, fens, coastal saltmarsh, parkland, hedges, rivers |

This SNA covers the area around the upper end of the Exe Estuary, where the River Clyst joins the River Exe, and covers the Exminster Marshes, Clyst Marshes and the surrounding farmland. It was designated for coastal and floodplain grazing marsh, so the majority of the land is very flat, not rising more than 25 metres above sea level. The Exe estuary is very important for wintering birds, which also use the surrounding farmland. There are two RSPB nature reserves adjacent to the estuary and the area is also important for curlew buntings, supporting the most northerly breeding population in Britain. The SNA includes the Exeter canal, which is important for dragonflies and birds, with nationally important populations of Cetti's Warbler, and also has several County Wildlife Sites with Nationally Rare and Nationally Scarce plants. As well as the coastal and floodplain grazing marsh, the SNA also includes reedbeds, saltmarsh and parkland.

This SNA overlaps with SNA 1150 (mudflats)

| Important species or species assemblage  | Status   |
|--|--|
| UKBAP Mammals e.g. 55 kHz Pipistrelle, Brown Long-Eared Bat, Harvest Mouse, Noctule, Otter   | DBAP (Otter)   |
| Waterfowl e.g. Brent Goose, Cormorant, Greylag Goose, Little Egret, Mallard, Mute Swan, Pintail, Shelduck, Shoveler, Spoonbill, Teal, Tufted Duck, Water Rail, White-Fronted Goose, Wigeon | S.41 (Water Rail)<br>Amber (Brent Goose, Cormorant, Greylag Goose, Little Egret, Mallard, Mute Swan, Pintail, Shelduck, Shoveler, Teal, Tufted Duck, White-Fronted Goose, Wigeon)                                    |
| Waders e.g. Black-tailed Godwit, Common Sandpiper, Curlew, Golden Plover, Green Sandpiper, Grey Plover, Jack Snipe, Lapwing, Redshank, Snipe, Spotted Redshank, Whimbrel                   | S.41 (Curlew, Lapwing) DBAP (Curlew)<br>Red (Black-tailed Godwit, Lapwing, Whimbrel)<br>Amber (Common Sandpiper, Curlew, Golden Plover, Green Sandpiper, Grey Plover, Jack Snipe, Redshank, Snipe, Spotted Redshank) |
| Gulls & terns e.g. Black-headed Gull, Common Gull, Common Tern, Great Black-Backed Gull, Herring Gull, Lesser Black-backed Gull  | Red (Herring Gull)<br>Amber (Black-Headed Gull, Common Gull, Common Tern, Great Black-Backed Gull, Lesser Black-backed Gull)   |
| Saltmarsh plants e.g. Annual Sea-Blite, Borrer's Saltmarsh-Grass, Greater Sea-Spurrey, Lesser Sea-spurrey, Saltmarsh Rush, Sea Aster, Sea Couch, Sea Meadow-Grass, Sea Purslane, Sea Rush  | NS (Borrer's Saltmarsh-Grass)<br>Devon notable plants  |
| Devon Notable plants e.g. Bulbous Foxtail, Compact Brome, Fringed Water-Lily, Galingale, Large-Flowered Mullein Toothed Medick, Procumbent   | NR (Compact Brome)<br>NS (Bulbous Foxtail, Fringed Water-Lily, Galingale, Large-Flowered Mullein, Procumbent Meadow-Grass, Toothed Medick, Whorled   |

| Important species or species assemblage  | Status   |
|--|--|
| Meadow-Grass, Whorled Water-Milfoil  | Water-Milfoil)   |
| Invertebrates e.g. Hornet robberfly, Long-Winged Conehead, Wasp Spider   | S.41 (Hornet robberfly)<br>Na (Long-Winged Conehead, Wasp spider)  |
| Butterflies and moths e.g. August Thorn, Cloaked Carpet, Dark Green Fritillary, Ghost Moth, Jersey Tiger, Rustic, Silky Wainscot, Water Ermine, White Colon, Small Phoenix | S.41 (August Thorn, Ghost Moth, Rustic, Small Phoenix)<br>Nb (Cloaked Carpet, Jersey Tiger, Silky Wainscot, Water Ermine, White Colon)<br>Decline (Dark Green Fritillary)  |
| Important dragonflies and damselflies e.g. Hairy Dragonfly, Keeled Skimmer, Red-Eyed Damselfly, Ruddy Darter, White-Legged Damselfly                                       | KeyD (N) (Hairy Dragonfly, Keeled Skimmer, White-Legged Damselfly)<br>KeyD (R) (Red-Eyed Damselfly, Ruddy Darter)<br>Nb (Hairy Dragonfly, Ruddy Darter, White-Legged Damselfly)  |
| Birds e.g. Barn Owl, Cirl Bunting, Fieldfare, Grasshopper Warbler, Marsh Tit, Peregrine, Redwing, Reed Bunting, Skylark, Turtle Dove, Woodlark                             | S.41 (Cirl Bunting, Grasshopper Warbler, Reed Bunting, Skylark, Turtle Dove, Woodlark)<br>DBAP (Barn Owl, Cirl Bunting, Grasshopper Warbler)<br>Red (Cirl Bunting, Fieldfare, Marsh Tit, Redwing, Skylark, Turtle Dove, Woodlark)<br>Amber (Barn Owl, Peregrine, Reed Bunting) |

See Appendix 1 for further species recorded in SNA 371

## 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  |
|-------------|-------------|--|
| SPA         | Exe Estuary | Tidal estuary with mudflats, saltmarsh, reedbeds, marshy grassland, sand dunes, dune grassland and heath, ponds, broadleaved woodland, shingle. Includes the canal. Bird and plant interest. |
| SSSI        | Exe Estuary | Tidal estuary with mudflats, saltmarsh, reed beds, marshy grassland & pond. Includes the canal. Important ornithological & botanical assemblages.  |

In addition the SNA includes eight County Wildlife Sites covering habitats including: Grazing marsh with ditches containing important swamp communities, marshy grassland and semi-improved neutral grassland, parkland, reedbed, swamp, ponds, willow carr, saltmarsh and canal. There is a Devon Wildlife Trust Nature Reserve (Old Sludge Beds) and two RSPB Nature Reserves (Exminster Marshes & Bowling Green Marsh).

There are also two Regionally Important Geological Sites:

- Ludwell Valley Park – an asymmetric valley and steep headed dry valleys of probably Pleistocene age
- Exminster Quarry - Permian Heavitree Breccia. Massive, worked for the typical local building stone

### 3. UK BAP Priority habitat maintenance and restoration targets for SNA no 371

(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 | Coastal & floodplain grazing marsh | Lowland mixed deciduous woodland | Reedbeds | Fens | Coastal Saltmarsh | TOTAL |
|-------------------------|------------------------------------|----------------------------------|----------|------|-------------------|-------|
| Minimum area *          |                                    |                                  |          |      | 2                 | 2     |
| Maximum area #          | 1206                               | 1                                | 413      | 430  | 2                 | 2052  |

\* 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 coastal and floodplain grazing marsh:

- 60% cover of priority habitat
- 0% 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.

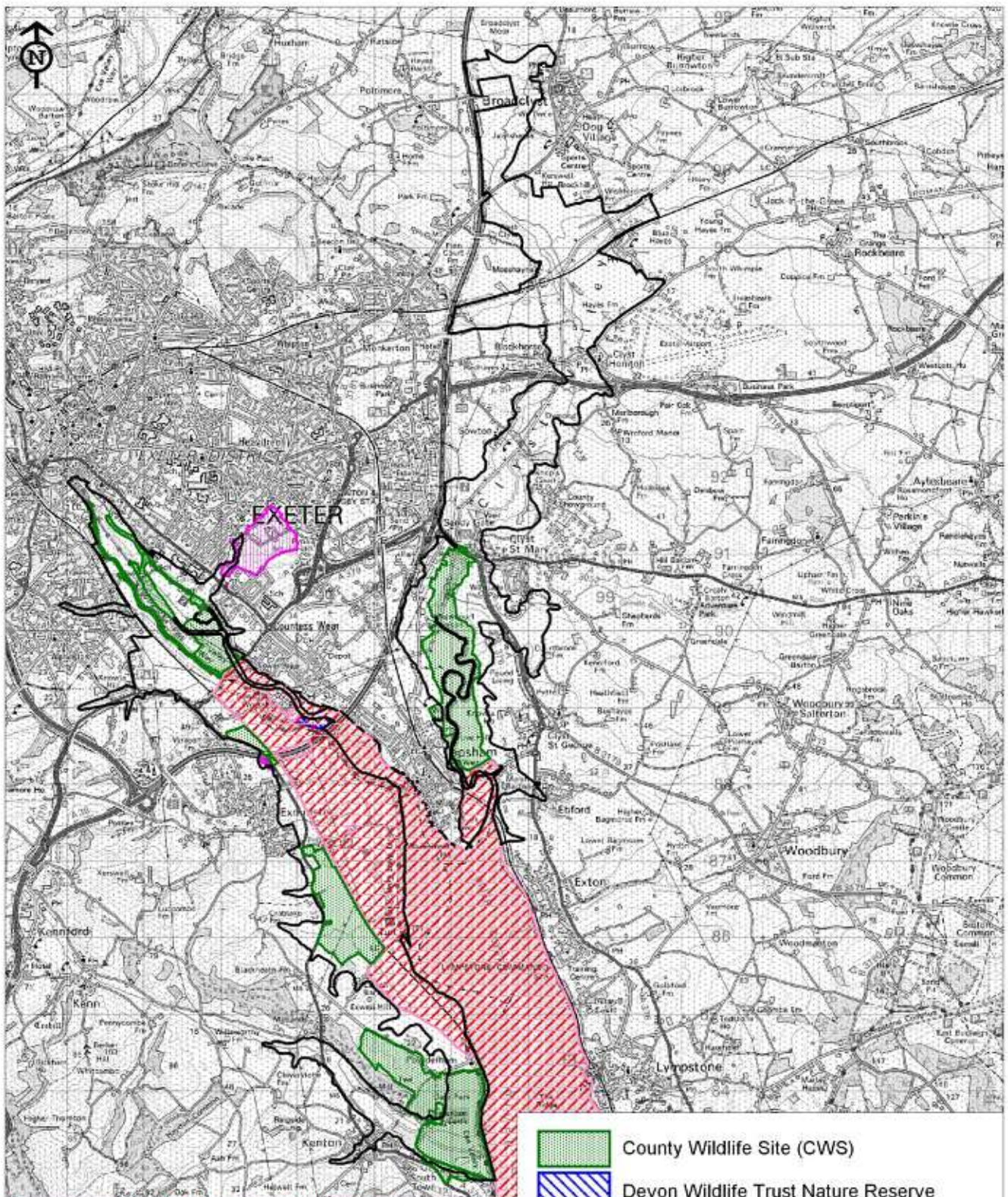
#### **6. Other information**

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 371 (2009)



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Appendix 1: Legally protected and notable species recorded in SNA 1118

| Common name                  | Scientific name                 | Status            |
|------------------------------|---------------------------------|-------------------|
| 45 Khz Pipistrelle           | Pipistrellus pipistrellus 45kHz | WCA               |
| 55 Khz Pipistrelle           | Pipistrellus pipistrellus 55kHz | WCA, S.41         |
| a Bat                        | Chiroptera                      | WCA               |
| a Bat                        | Myotis spp.                     | WCA               |
| Annual Sea-blite             | Suaeda maritima                 | DN2               |
| August Thorn                 | Ennomos quercinaria             | S.41              |
| Avocet                       | Recurvirostra avosetta          | WCA, Amber        |
| Badger                       | Meles meles                     | WCA               |
| Barn Owl                     | Tyto alba                       | WCA, DBAP; Amber  |
| Black-Headed Gull            | Larus ridibundus                | Amber             |
| Black-Tailed Godwit          | Limosa limosa                   | WCA, Red          |
| Blue-Fruited Water-Starwort  | Callitriche obtusangula         | DN1               |
| Blunt-Leaved Pondweed        | Potamogeton obtusifolius        | DN1; DR           |
| Borrer's Saltmarsh-Grass     | Puccinellia fasciculata         | NS                |
| Box                          | Buxus sempervirens              | NR                |
| Brambling                    | Fringilla montifringilla        | WCA               |
| Brent Goose                  | Branta bernicla                 | Amber             |
| Brown Long-Eared Bat         | Plecotus auritus                | WCA, S.41         |
| Buff Ermine                  | Spilosoma luteum                | S.41              |
| Bulbous Foxtail              | Alopecurus bulbosus             | NS; DN1; DR       |
| Bullfinch                    | Pyrrhula pyrrhula               | S.41; Amber       |
| Bulrush                      | Schoenoplectus lacustris        | DN1               |
| Canadian Arrowhead           | Sagittaria rigida               | DN1; DR           |
| Cetti's Warbler              | Cettia cetti                    | WCA               |
| Chives                       | Allium schoenoprasum            | NS                |
| Cinnabar                     | Tyria jacobaeae                 | S.41              |
| Cirl Bunting                 | Emberiza cirlus                 | S.41; DBAP; Red   |
| Cloaked Carpet               | Euphyia biangulata              | Nb                |
| Common Club-Rush             | Schoenoplectus lacustris        | DN1               |
| Common Frog                  | Rana temporaria                 | WCA               |
| Common Gull                  | Larus canus                     | Amber             |
| Common Meadow-Rue            | Thalictrum flavum               | DN1; DR           |
| Common Sandpiper             | Actitis hypoleucos              | Amber             |
| Common Shrew                 | Sorex araneus                   | WCA               |
| Common Tern                  | Sterna hirundo                  | Amber             |
| Common Toad                  | Bufo bufo                       | WCA, S.41         |
| Common Water-Crowfoot        | Ranunculus aquatilis            | DN3               |
| Compact Brome                | Anisantha madritensis           | NR; DN1; DR       |
| Corky-Fruited Water-Dropwort | Oenanthe pimpinelloides         | DN3               |
| Cormorant                    | Phalacrocorax carbo             | Amber             |
| Curled Pondweed              | Potamogeton crispus             | DN2               |
| Curlew                       | Numenius arquata                | S.41; DBAP; Amber |
| Cyperus Sedge                | Carex pseudocyperus             | DN1               |
| Cypress Spurge               | Euphorbia cyparissias           | DN1               |
| Dark Green Fritillary        | Argynnis aglaja                 | Decline           |
| Dark-Barred Twin-Spot Carpet | Xanthorhoe ferrugata            | S.41              |
| Dot Moth                     | Melanchra persicariae           | S.41              |
| Dunnock                      | Prunella modularis              | Amber             |
| Dusky Brocade                | Apamea remissa                  | S.41              |
| Early Marsh-Orchid           | Dactylorhiza incarnata          | DN2               |
| English Scurvygrass          | Cochlearia anglica              | DN2               |
| Fat Duckweed                 | Lemna gibba                     | DN2               |
| Fennel Pondweed              | Potamogeton pectinatus          | DN1               |
| Fieldfare                    | Turdus pilaris                  | WCA, Red          |
| Flowering Rush               | Butomus umbellatus              | DN1               |

| <b>Common name</b>       | <b>Scientific name</b>                | <b>Status</b> |
|--------------------------|---------------------------------------|---------------|
| Fringed Water-Lily       | <i>Nymphoides peltata</i>             | NS; DN1; DR   |
| Frogbit                  | <i>Hydrocharis morsus-ranae</i>       | DN1; DR; Nb   |
| Galingale                | <i>Cyperus longus</i>                 | NS; DN1; DR   |
| Garden Dart              | <i>Euxoa nigricans</i>                | S.41          |
| Garden Tiger             | <i>Arctia caja</i>                    | S.41          |
| Ghost Moth               | <i>Hepialus humuli</i>                | S.41          |
| Goldcrest                | <i>Regulus regulus</i>                | Amber         |
| Golden Plover            | <i>Pluvialis apricaria</i>            | Amber         |
| Goshawk                  | <i>Accipiter gentilis</i>             | WCA, Amber    |
| Grass Snake              | <i>Natrix natrix</i>                  | WCA, S.41     |
| Grasshopper Warbler      | <i>Locustella naevia</i>              | S.41; Red     |
| Great Black-Backed Gull  | <i>Larus marinus</i>                  | Amber         |
| Great Pond-Sedge         | <i>Carex riparia</i>                  | DN2           |
| Great Water Dock         | <i>Rumex hydrolapathum</i>            | DN2           |
| Greater Sea-Spurrey      | <i>Spergularia media</i>              | DN2           |
| Green Sandpiper          | <i>Tringa ochropus</i>                | WCA, Amber    |
| Green Woodpecker         | <i>Picus viridis</i>                  | Amber         |
| Grey Club-Rush           | <i>Schoenoplectus tabernaemontani</i> | DN2           |
| Grey Dagger              | <i>Acronicta psi</i>                  | S.41          |
| Grey Plover              | <i>Pluvialis squatarola</i>           | Amber         |
| Grey Wagtail             | <i>Motacilla cinerea</i>              | Amber         |
| Greylag Goose            | <i>Anser anser</i>                    | Amber         |
| Hairy Dragonfly          | <i>Brachytron pratense</i>            | Nb; KeyD (N)  |
| Hard Grass               | <i>Parapholis strigosa</i>            | DN1           |
| Harvest Mouse            | <i>Micromys minutus</i>               | S.41          |
| Hedgehog                 | <i>Erinaceus europaeus</i>            | WCA, S.41     |
| Herring Gull             | <i>Larus argentatus</i>               | Red           |
| Hobby                    | <i>Falco subbuteo</i>                 | WCA           |
| Horned Pondweed          | <i>Zannichellia palustris</i>         | DN1; DR       |
| Hornet robberfly         | <i>Asilus crabroniformis</i>          | S.41          |
| Hornwort                 | <i>Ceratophyllum demersum</i>         | DN1           |
| Hound's-Tongue           | <i>Cynoglossum officinale</i>         | DN1           |
| House Martin             | <i>Delichon urbica</i>                | Amber         |
| House Sparrow            | <i>Passer domesticus</i>              | S.41; Red     |
| Ivy-Leaved Duckweed      | <i>Lemna trisulca</i>                 | DN1           |
| Jack Snipe               | <i>Lymnocyptes minimus</i>            | Amber         |
| Jersey Tiger             | <i>Euplagia quadripunctaria</i>       | Nb            |
| Keeled Skimmer           | <i>Orthetrum coerulescens</i>         | KeyD (N)      |
| Kestrel                  | <i>Falco tinnunculus</i>              | Amber         |
| Kingfisher               | <i>Alcedo atthis</i>                  | WCA, Amber    |
| Knotgrass                | <i>Acronicta rumicis</i>              | S.41          |
| Lackey                   | <i>Malacosoma neustria</i>            | S.41          |
| Lapwing                  | <i>Vanellus vanellus</i>              | S.41; Red     |
| Large-Flowered Mullein   | <i>Verbascum virgatum</i>             | NS; DN2       |
| Least Duckweed           | <i>Lemna minuta</i>                   | DN1; DR       |
| Lesser Black-Backed Gull | <i>Larus fuscus</i>                   | Amber         |
| Lesser Pondweed          | <i>Potamogeton pusillus</i>           | DN1; DR       |
| Lesser Sea-Spurrey       | <i>Spergularia marina</i>             | DN3           |
| Linnet                   | <i>Carduelis cannabina</i>            | S.41; Red     |
| Little Egret             | <i>Egretta garzetta</i>               | Amber         |
| Long-Winged Conehead     | <i>Conocephalus discolor</i>          | Na            |
| Mallard                  | <i>Anas platyrhynchos</i>             | Amber         |
| Marsh Tit                | <i>Parus palustris</i>                | Red           |
| Meadow Barley            | <i>Hordeum secalinum</i>              | DN1           |
| Meadow Brome             | <i>Bromus commutatus</i>              | DN2           |
| Meadow Pipit             | <i>Anthus pratensis</i>               | Amber         |
| Mottled Rustic           | <i>Caradrina morpheus</i>             | S.41          |

| <b>Common name</b>        | <b>Scientific name</b>           | <b>Status</b>   |
|---------------------------|----------------------------------|-----------------|
| Mouse Moth                | <i>Amphipyra tragopoginis</i>    | S.41            |
| Mute Swan                 | <i>Cygnus olor</i>               | Amber           |
| Narrow Water-Plantain     | <i>Alisma lanceolatum</i>        | DN1; DR         |
| Natterer's Bat            | <i>Myotis nattereri</i>          | WCA             |
| Newt                      | <i>Triturus</i>                  | WCA             |
| Noctule                   | <i>Nyctalus noctula</i>          | WCA, S.41       |
| Nodding Bur-Marigold      | <i>Bidens cernua</i>             | DN1             |
| Nuttall's Water-Weed      | <i>Elodea nuttallii</i>          | DN1             |
| Oblique Carpet            | <i>Orthonama vittata</i>         | S.41            |
| Otter                     | <i>Lutra lutra</i>               | WCA, S.41; DBAP |
| Pale Toadflax             | <i>Linaria repens</i>            | DN2             |
| Peregrine                 | <i>Falco peregrinus</i>          | WCA, Amber      |
| Perfoliate Pondweed       | <i>Potamogeton perfoliatus</i>   | DN1             |
| Pink Water-Speedwell      | <i>Veronica catenata</i>         | DN1             |
| Pintail                   | <i>Anas acuta</i>                | WCA, Amber      |
| Pipistrelle               | <i>Pipistrellus pipistrellus</i> | WCA             |
| Prickly Lettuce           | <i>Lactuca serriola</i>          | DN2             |
| Primrose                  | <i>Primula vulgaris</i>          | DBAP            |
| Procumbent Meadow-Grass   | <i>Puccinellia rupestris</i>     | NS; DN1; DR     |
| Pygmy Shrew               | <i>Sorex minutus</i>             | WCA             |
| Rat's-Tail Fescue         | <i>Vulpia myuros</i>             | DN2             |
| Red Kite                  | <i>Milvus milvus</i>             | WCA, Amber      |
| Red-Eyed Damselfly        | <i>Erythromma najas</i>          | KeyD (R)        |
| Redpoll                   | <i>Carduelis flammea</i>         | Amber           |
| Redshank                  | <i>Tringa totanus</i>            | Amber           |
| Redstart                  | <i>Phoenicurus phoenicurus</i>   | Amber           |
| Redwing                   | <i>Turdus iliacus</i>            | WCA, Red        |
| Reed Bunting              | <i>Emberiza schoeniclus</i>      | S.41; Amber     |
| River Water-Crowfoot      | <i>Ranunculus fluitans</i>       | DN2             |
| Roe Deer                  | <i>Capreolus capreolus</i>       | DA              |
| Rosy Minor                | <i>Mesoligia literosa</i>        | S.41            |
| Rosy Rustic               | <i>Hydraecia micacea</i>         | S.41            |
| Round-Leaved Crane's-Bill | <i>Geranium rotundifolium</i>    | DN3             |
| Ruddy Darter              | <i>Sympetrum sanguineum</i>      | Nb; KeyD (R)    |
| Ruff                      | <i>Philomachus pugnax</i>        | WCA, Red        |
| Rustic                    | <i>Hoplodrina blanda</i>         | S.41            |
| Sallow                    | <i>Xanthia icteritia</i>         | S.41            |
| Saltmarsh Rush            | <i>Juncus gerardii</i>           | DN3             |
| Sand Martin               | <i>Riparia riparia</i>           | Amber           |
| Sea Aster                 | <i>Aster tripolium</i>           | DN3             |
| Sea Couch                 | <i>Elytrigia atherica</i>        | DN3             |
| Sea Meadow-Grass          | <i>Puccinellia maritima</i>      | DN2             |
| Sea Purslane              | <i>Atriplex portulacoides</i>    | DN2             |
| Sea Rush                  | <i>Juncus maritimus</i>          | DN2             |
| Shaded Broad-Bar          | <i>Scotopteryx chenopodiata</i>  | S.41            |
| Shelduck                  | <i>Tadorna tadorna</i>           | Amber           |
| Shining Pondweed          | <i>Potamogeton lucens</i>        | DN1; DR         |
| Shoulder-Striped Wainscot | <i>Mythimna comma</i>            | S.41            |
| Shoveler                  | <i>Anas clypeata</i>             | Amber           |
| Silky Wainscot            | <i>Chilodes maritimus</i>        | Nb              |
| Skylark                   | <i>Alauda arvensis</i>           | S.41; Red       |
| Slender Pondweed          | <i>Potamogeton berchtoldii</i>   | DN1             |
| Slow-Worm                 | <i>Anguis fragilis</i>           | WCA, S.41       |
| Small Bur-Reed            | <i>Sparganium emersum</i>        | DN2             |
| Small Phoenix             | <i>Ecliptopera silaceata</i>     | S.41            |
| Small Square-Spot         | <i>Diarsia rubi</i>              | S.41            |
| Smooth Brome              | <i>Bromus racemosus</i>          | DN2             |

| Common name            | Scientific name                    | Status        |
|------------------------|------------------------------------|---------------|
| Smooth Newt            | <i>Triturus vulgaris</i>           | WCA           |
| Snipe                  | <i>Gallinago gallinago</i>         | Amber         |
| Song Thrush            | <i>Turdus philomelos</i>           | S.41; Red     |
| Spiked Water-Milfoil   | <i>Myriophyllum spicatum</i>       | DN1           |
| Spoonbill              | <i>Platalea leucorodia</i>         | WCA, Amber    |
| Spotted Flycatcher     | <i>Muscicapa striata</i>           | S.41; Red     |
| Spotted Redshank       | <i>Tringa erythropus</i>           | Amber         |
| Starling               | <i>Sturnus vulgaris</i>            | Red           |
| Stonechat              | <i>Saxicola torquata</i>           | Amber         |
| Swallow                | <i>Hirundo rustica</i>             | Amber         |
| Sweet-Flag             | <i>Acorus calamus</i>              | DN1; DR       |
| Swift                  | <i>Apus apus</i>                   | Amber         |
| Teal                   | <i>Anas crecca</i>                 | Amber         |
| Toothed Medick         | <i>Medicago polymorpha</i>         | NS; DN1       |
| Tree Pipit             | <i>Anthus trivialis</i>            | S.41; Red     |
| Trifid Bur-Marigold    | <i>Bidens tripartita</i>           | DN2           |
| Tufted Duck            | <i>Aythya fuligula</i>             | Amber         |
| Turtle Dove            | <i>Streptopelia turtur</i>         | UKBAP(P); Red |
| Unbranched Bur-Reed    | <i>Sparganium emersum</i>          | DN2           |
| Viviparous Lizard      | <i>Lacerta vivipara</i>            | WCA, S.41     |
| Wall Brown             | <i>Lasiommata megera</i>           | S.41          |
| Wasp Spider            | <i>Argiope bruennichi</i>          | Na            |
| Water Chickweed        | <i>Myosoton aquaticum</i>          | DN3           |
| Water Dock             | <i>Rumex hydrolapathum</i>         | DN2           |
| Water Ermine           | <i>Spilosoma urticae</i>           | Nb            |
| Water Fern             | <i>Azolla filiculoides</i>         | DN1           |
| Water Pipit            | <i>Anthus spinoletta</i>           | Amber         |
| Water Rail             | <i>Rallus aquaticus</i>            | Amber         |
| Water Shrew            | <i>Neomys fodiens</i>              | WCA           |
| Water Speedwell        | <i>Veronica anagallis-aquatica</i> | DN2           |
| Wheatear               | <i>Oenanthe oenanthe</i>           | Amber         |
| Whimbrel               | <i>Numenius phaeopus</i>           | WCA, Red      |
| Whinchat               | <i>Saxicola rubetra</i>            | Amber         |
| Whiskered Bat          | <i>Myotis mystacinus</i>           | WCA           |
| White Colon            | <i>Sideridis albicolon</i>         | Nb            |
| White Ermine           | <i>Spilosoma lubricipeda</i>       | S.41          |
| White-Fronted Goose    | <i>Anser albifrons</i>             | Amber         |
| White-Legged Damselfly | <i>Platycnemis pennipes</i>        | Nb; KeyD (N)  |
| Whitethroat            | <i>Sylvia communis</i>             | Amber         |
| Whorled Water-Milfoil  | <i>Myriophyllum verticillatum</i>  | NS            |
| Wigeon                 | <i>Anas penelope</i>               | Amber         |
| Willow Warbler         | <i>Phylloscopus trochilus</i>      | Amber         |
| Woodlark               | <i>Lullula arborea</i>             | UKBAP(P); Red |
| Yellow Loosestrife     | <i>Lysimachia vulgaris</i>         | DN2           |
| Yellow Water-Lily      | <i>Nuphar lutea</i>                | DN1           |

**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.

|   |  |
|---|--|
| <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> 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>Red List</b>   | 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.   |
| <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>KeyD (N)</b>   | <b>Nationally Important Key Dragonfly Species:</b> those which have been recorded in less than 10% of 10km squares in Britain. Those occurring in Devon are White-legged damselfly ( <i>Platynemis pennipes</i> ) Scarce blue-tailed damselfly ( <i>Ischnura pumilio</i> ) Small red damselfly ( <i>Ceragrion tenellum</i> ) Hairy dragonfly ( <i>Brachytron pratense</i> ) Downy emerald ( <i>Cordulia aenea</i> ) and Keeled skimmer ( <i>Orthoetrum coerulescens</i> ). |
| <b>KeyD (R)</b>   | <b>Regionally Important Key Dragonfly Species:</b> those which have been recorded in 10-20% of the 10km squares in Britain: Red-eyed damselfly ( <i>Erythromma najas</i> ) and Ruddy darter ( <i>Sympetrum sanguineum</i> ).   |