

The flora is exceptionally diverse with more than 160 plant species present, many of which are widely distributed throughout the site and are intricately mixed within the fields.

As with all suites of meadows there are individual differences resulting from varying drainage patterns, management (summer grazing or hay) and soils. However, the general grassland type of the ridges is that of common bent *Agrostis capillaris*, red fescue *Festuca rubra*, sweet vernal grass *Anthoxanthum odoratum* and quaking grass *Briza media*, together with yellow rattle *Rhinanthus minor*, pepper-saxifrage *Silaum silaus* and devil's-bit scabious *Succisa pratensis*. The furrows are characterised by marsh foxtail *Alopecurus geniculatus*, tufted hair-grass *Deschampsia cespitosa*, amphibious bistort *Polygonum amphibium*, lesser spearwort *Ranunculus flammula*, creeping Jenny *Lysimachia nummularia*, ragged robin *Lychnis flos-cuculi* and lady's smock *Cardamine pratensis*.

Plants confined largely to the hayfields include sneezewort *Achillea ptarmica*, common spotted orchid *Dactylorhiza fuchsii*, dropwort *Filipendula vulgaris*, adder's tongue *Ophioglossum vulgatum*, green-winged orchid *Orchis morio*, common milkwort *Polygala vulgaris*, cowslip *Primula veris* and saw-wort *Serratula tinctoria*. Plants confined to the grazed field are fewer in number and include species typical of poached ground such as yarrow *Achillea millefolium*, daisy *Bellis perennis* and creeping thistle *Cirsium arvense*, all occurring within a species-rich mixture. Plants particularly associated with the sedge-rich meadow include carnation, glaucous, brown, spring and tawny sedges *Carex panicea*, *C. flacca*, *C. disticha*, *C. caryophylla* and *C. hostiana* respectively, occurring with heath grass *Danthonia decumbens* and locally abundant meadow thistle *Cirsium dissectum*. Other plants recorded which are characteristic of traditionally managed grasslands include frog orchid *Coeloglossum viride*, betony *Stachys officinalis*, dyer's greenweed *Genista tinctoria*, spiny restharrow *Ononis spinosa* and great burnet *Sanguisorba officinalis*. There is a particularly diverse flora of dandelions *Taraxacum* spp. with 11 different species currently recorded.

The hedges provide a habitat for other plants not found within the fields. They are mainly composed of hawthorn, with blackthorn and rose also abundant. The hedges with the greatest variety of species are those bordering the Mansmoor Closes and the one alongside the parish boundary. The latter has a total of 14 species recorded including field maple *Acer campestre* and spindle *Euonymus europaeus*, both of which are often associated with long-established hedges.

The bird fauna of Wendlebury Meads includes breeding snipe and curlew. Other species recorded include golden plover, whitethroat, lesser whitethroat, reed bunting, green woodpecker, grasshopper warbler and barn owl. The meadows support large numbers of common butterflies, including meadow brown, hedge brown, small copper, common blue, green veined white and marbled white.

Operations likely to damage the special interest

Site name: Wendlebury Meads & Mansmoor Closes

OLD1001141

Ref. No.	Type of Operation
1	Cultivation, including ploughing, rotovating, harrowing, and re-seeding.
2	The introduction of or changes in the grazing regime (including type of stock or intensity or seasonal pattern of grazing and cessation of grazing).
3	The introduction of or changes in stock feeding practice.
4	The introduction of or changes in the mowing or cutting regime (including hay making to silage and cessation).
5	Application of manure, fertilisers and lime.
6	Application of pesticides, including herbicides (weedkillers).
7	Dumping, spreading or discharge of any materials.
8	Burning.
9	The release into the site of any wild, feral or domestic mammal, reptile, amphibian, bird, fish or invertebrate, or any plant or seed.
10	The killing or removal of any wild mammal, reptile, amphibian, bird, fish or invertebrate, including pest control.
11	The destruction, displacement, removal or cutting of any plant or plant remains, including tree, shrub, herb, hedge, dead or decaying wood, moss, lichen, fungus, leaf-mould and turf.
12	The introduction of or changes in tree and/or woodland management including afforestation and planting.
13a	Drainage (including the use of mole, tile, tunnel or other artificial drains).
13b	Modification of the structure of watercourses (eg ditches, dykes, drains), including their banks and beds, as by re-alignment, re-grading and dredging.
13c	Management of aquatic and bank vegetation for drainage purposes.
14	The changing of water levels and tables and water utilisation (including irrigation, storage and abstraction from existing water bodies and through boreholes).
15	Infilling of ditches, drains, ponds, pools or marshes.
20	Extraction of minerals, including topsoil and sub-soil.
21	Construction, removal or destruction of roads, tracks, walls, fences, hardstands, banks, ditches or other earthworks, or the laying, maintenance or removal of pipelines and cables, above or below ground.
22	Storage of materials.
23	Erection of permanent or temporary structures, or the undertaking of engineering works, including drilling.
26	Use of vehicles likely to damage or disturb features of interest.
27	Recreational or other activities likely to damage features of interest.
28	The introduction of or changes in game and waterfowl management and hunting practice.

Views About Management



A statement of English Nature's views about the management of Wendlebury Meads and Mansmoor Closes Site of Special Scientific Interest (SSSI).

This statement represents English Nature's views about the management of the SSSI for nature conservation. This statement sets out, in principle, our views on how the site's special conservation interest can be conserved and enhanced. English Nature has a duty to notify the owners and occupiers of SSSI of its views about the management of the land.

Not all of the management principles will be equally appropriate to all parts of the SSSI. Also, there may be other management activities, additional to our current views, which can be beneficial to the conservation and enhancement of the features of interest.

The management views set out below do not constitute consent for any operation. English Nature's written consent is still required before carrying out any operation likely to damage the features of special interest (see your SSSI notification papers for a list of these operations). English Nature welcomes consultation with owners, occupiers and users of the SSSI to ensure that the management of this site conserves and enhances the features of interest, and to ensure that all necessary prior consents are obtained.

Management Principles

Neutral hay meadows require active management if they are to retain their conservation interest. In order to maintain a species-rich sward, each year's growth of vegetation must be removed. Otherwise the sward becomes progressively dominated by tall and vigorous grasses which, together with an associated build up of dead plant matter, suppress less vigorous species and reduce the botanical diversity of the site. In neutral hay meadows, the above objective is traditionally achieved by closing the fields to stock in the autumn and cutting the resultant growth as hay, usually in early July. The precise timing of the cut depends on local factors, including past management and current weather conditions, but should be after ground-nesting birds have fledged their young and any short-lived, characteristic plants have set seed. The aftermath is then grazed in late summer/autumn. Aftermath grazing is important for maintaining a species-rich sward, both through controlling competitive grasses and through hoof-prints providing suitable sites for seedlings to establish. Heavy poaching must be avoided, however. Any surrounding, well-managed hedgerows may considerably add to the habitat in providing shelter for invertebrates. The application of pesticides including herbicides or fertilizers would be damaging but periodic dressings of well-rotted farmyard manure may be acceptable if the sward does not receive regular input of nutrients from flooding. Occasional dressings of lime may be acceptable.

For the damper meadows, regular and careful maintenance of surface drainage including ditches and drains can be necessary to prevent adverse changes in the plant species composition of the sward. Deepening of surface drainage should be avoided.