



Habitat Creation Guidance

West Oxfordshire Garden Village

Dan Carpenter January 2020

Introduction

West Oxfordshire District Council are preparing an Area Action Plan for the proposed West Oxfordshire Garden Village, located near Eynsham. This will set out how the new development will be taken forward, what it will look like and how it will function.

Garden villages are new settlements of between 1,500 and 10,000 homes. These new settlements will be based on key principles established through the 'Garden City movement' in the late 19th Century. The key principle for the natural environment is 'development that enhances the natural environment, providing a comprehensive green

infrastructure network and net biodiversity gains, and seeks to minimise carbon use and achieve energy-positive technology to ensure climate resilience'.

In order to support the delivery of the garden village principles, West Oxfordshire District Council asked Thames Valley Environmental Records Centre (TVERC) to provide some guidance on the creation of habitats on the garden village site.

Method

TVERC reviewed the species information available for the garden village site and the surrounding area. From this we identified the key species present on the site and their habitat preferences. We then looked at existing data from the preferred habitats of the key species and identified the principle plant species that make up the target habitats. We looked at data from the garden village site (where available) and sites in the wider area to produce planting lists for habitats targeted for creation on the garden village site.

Results

TVERC has records of 59 protected and notable species for the Garden Village and a 500m buffer of the site. This includes plant species. Using these data and the ecological survey reports for the site supplied by West Oxfordshire District Council We identified the following key species for the garden village site:

- Great Crested New
- Hairstreak butterflies (*Satyrion* spp.)
- Barn Owl
- Bats
- Reptiles (Grass snake, Slow-worm)

Habitats of importance for these species are ponds, hedgerows, grassland and woodland, all of which provide foraging and sheltering opportunities.



We identified 19 Local Wildlife Sites (see Appendix 1 for details) in the area surrounding garden village from which to create planting lists. These are sites for which we have survey data. These sites were chosen as they fall within the Landscape Character Areas (LCA)¹ (Ancient Woodland Farmland and Village Terrace Farmlands) in which the Garden Village site sits.

In addition to the Local Wildlife Sites, we also extracted data from the West Oxfordshire Hedgerow Survey to establish the composition of hedgerows in the Eynsham area. Survey data from 22 hedgerows was analysed to establish the species typical of hedgerows in the area surrounding the Garden Village.

The following sections detail the species typical of habitats in the area surrounding the garden village and provide guidance and proposed planting lists for the creation of habitats on the garden village site.

Grassland

There are 8 grassland sites in the area surrounding the garden village site. All of these grasslands are in the Ancient Woodland Farmland LCA and are current Local Wildlife Sites supporting Lowland Meadow priority habitat. As such these grasslands are very diverse with over 800 different species recorded across these sites (this includes hedgerow and tree species).

Forty-eight species of grass have been recorded in the eight meadow sites, with the five most frequent being Perennial Rye-grass, Crested Dog's-tail, Cock's-foot, Yorkshire-fog, Rough Meadow-grass. Other frequently recorded species include Red Fescue, Creeping Bent, Timothy, Sweet Vernal-grass, Smooth Meadow-grass, False Oat-grass, Yellow Oat-grass. Over 300 different herb species have been recorded across the eight meadow sites, the most common of which are Creeping Thistle, Creeping Buttercup, Common Mouse-ear, White Clover, Red Clover, Ribwort Plantain. Other frequently recorded species include Meadow Buttercup, Common Sorrel, Meadow Vetchling, Selfheal, Greater Plantain, Spear Thistle, Common Knapweed, Dandelion, Daisy, Black Medick, Cut-

leaved Crane's-bill. A full list of species recorded from grassland Local Wildlife Sites is available in Appendix 2.

Lowland meadow priority habitat relies on low nutrient conditions and careful management and its creation is difficult. As such, Lowland meadow habitat is not suitable for creation on residential development sites as there is high levels of disturbance and eutrophication from people and their dogs and the necessary management is rarely achievable. As such it is more realistic and sustainable in the long term to create species-rich semi-improved grassland that is less sensitive to disturbance and management regimes.

As such TVERC recommends the use of seed mixes with a reasonable diversity of both grass and herb species that reflect the grasslands in the local area (see table 1), but which are dominated by less competitive grasses. Suitable seed mixes are available from Charles Flower Seeds (Mix 2 - Clay/Acid Meadows) and Emorsgate (mix EM4 – Meadow Mixture for Clay Soils) which contain species from the list in table 1.

Table 1. Grassland species and planting list

Taxon Name	Common Name
<i>Lotus corniculatus</i>	Common Bird's-foot-trefoil
<i>Ranunculus repens</i>	Creeping Buttercup
<i>Cerastium fontanum</i>	Common Mouse-ear
<i>Trifolium repens</i>	White Clover
<i>Trifolium pratense</i>	Red Clover
<i>Plantago lanceolata</i>	Ribwort Plantain
<i>Ranunculus acris</i>	Meadow Buttercup
<i>Rumex acetosa</i>	Common Sorrel
<i>Lathyrus pratensis</i>	Meadow Vetchling
<i>Prunella vulgaris</i>	Selfheal
<i>Plantago major</i>	Greater Plantain
<i>Geranium pratense</i>	Meadow Crane's-bill
<i>Leucanthemum vulgare</i>	Oxeye Daisy
<i>Centaurea nigra</i>	Common Knapweed

Taxon Name	Common Name
<i>Taraxacum officinale</i> agg.	Dandelion
<i>Bellis perennis</i>	Daisy
<i>Medicago lupulina</i>	Black Medick
<i>Geranium dissectum</i>	Cut-leaved Crane's-bill
<i>Carex hirta</i>	Hairy Sedge
<i>Cynosurus cristatus</i>	Crested Dog's-tail
<i>Dactylis glomerata</i>	Cock's-foot
<i>Holcus lanatus</i>	Yorkshire-fog
<i>Poa trivialis</i>	Rough Meadow-grass
<i>Festuca rubra</i>	Red Fescue
<i>Agrostis stolonifera</i>	Creeping Bent
<i>Phleum pratense</i>	Timothy

Woodland

Based on an analysis of 12 woodland sites, TVERC found that woodlands in the Ancient Woodland Farmlands LCA are dominated by Pedunculate Oak and Ash in the canopy and Hawthorn, Field Maple and Hazel in the understory (see table 2). Frequent species include Blackthorn, Elder, Beech and Silver Birch. A number of other species are found more rarely. This list reflects that fact that many of these woodlands are also Ancient Woodlands and are particularly diverse.

Table 2. Woodland planting list

Scientific Name	Common Name	Frequency
<i>Quercus robur</i>	Pedunculate Oak	Dominant
<i>Crataegus monogyna</i>	Hawthorn	Dominant
<i>Acer campestre</i>	Field Maple	Dominant
<i>Fraxinus excelsior</i>	Ash	Dominant
<i>Corylus avellana</i>	Hazel	Dominant
<i>Salix caprea</i>	Goat Willow	Frequent
<i>Prunus spinosa</i>	Blackthorn	Frequent
<i>Sambucus nigra</i>	Elder	Frequent
<i>Ulmus procera</i>	English Elm	Frequent
<i>Fagus sylvatica</i>	Beech	Frequent
<i>Betula pendula</i>	Silver Birch	Frequent
<i>Prunus avium</i>	Wild Cherry	Occasional
<i>Malus sylvestris</i>	Crab Apple	Occasional
<i>Ulmus glabra</i>	Wych Elm	Occasional
<i>Ilex aquifolium</i>	Holly	Occasional
<i>Betula pubescens</i>	Downy Birch	Occasional
<i>Rhamnus cathartica</i>	Buckthorn	Rare
<i>Carpinus betulus</i>	Hornbeam	Rare

TVERC recommends that woodland planting schemes on the Garden Village site include the dominant and frequent species as a minimum. Occasional and rare species from the list above should be included in the planting mixes at lower frequencies.

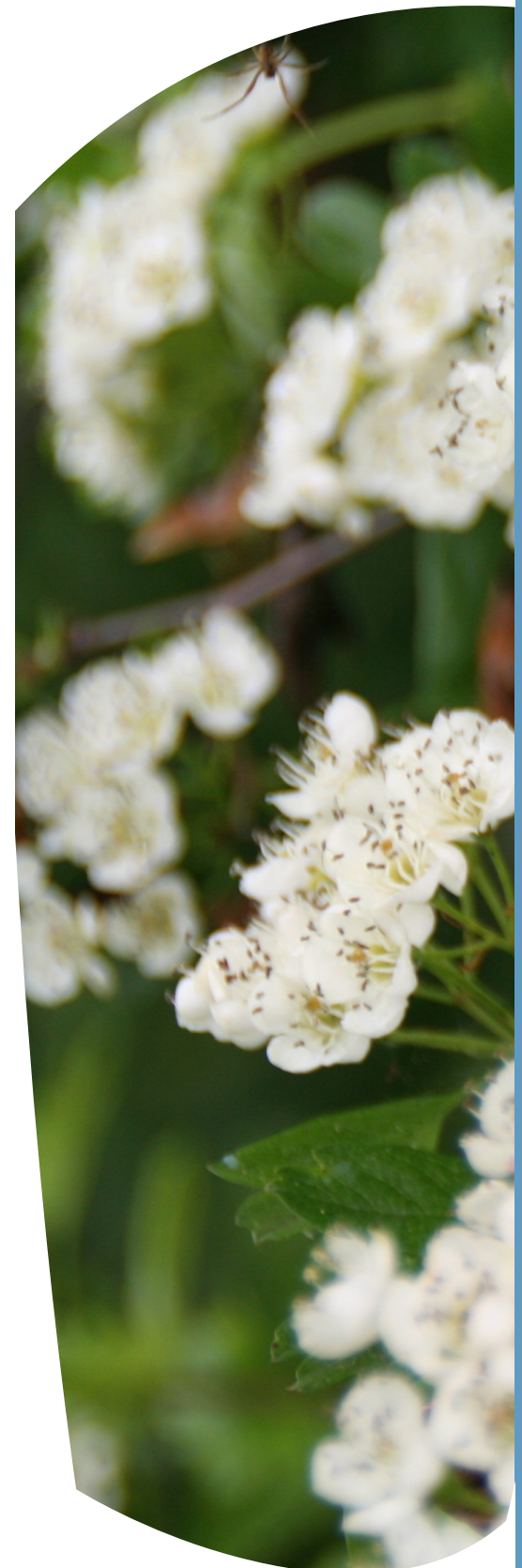


Hedgerows

Based on an analysis of 22 hedgerow surveys, TVERC found that hedges in the Eynsham area are dominated by Hawthorn, Elder, Ash and Dog-rose, with frequent Blackthorn, Dogwood and Wild Plum (see table 3). Blackthorn is an important species as it is a foodplant of the Hairstreak butterflies. A number of other species are found occasionally including Field Maple, Hazel, White Bryony and Buckthorn, with several other species found more rarely.

Table 3. Hedgerow planting list

Scientific Name	Common Name	Frequency
<i>Crataegus monogyna</i>	Hawthorn	Dominant
<i>Sambucus nigra</i>	Elder	Dominant
<i>Fraxinus excelsior</i>	Ash	Dominant
<i>Rosa canina</i>	Dog-rose	Dominant
<i>Prunus spinosa</i>	Blackthorn	Frequent
<i>Cornus sanguinea</i>	Dogwood	Frequent
<i>Prunus domestica</i>	Wild Plum	Frequent
<i>Bryonia dioica</i>	White Bryony	Occasional
<i>Rhamnus cathartica</i>	Buckthorn	Occasional
<i>Acer campestre</i>	Field Maple	Occasional
<i>Corylus avellana</i>	Hazel	Occasional
<i>Viburnum opulus</i>	Guelder-rose	Rare
<i>Humulus lupulus</i>	Hop	Rare
<i>Ligustrum vulgare</i>	Wild Privet	Rare
<i>Ilex aquifolium</i>	Holly	Rare
<i>Prunus avium</i>	Wild Cherry	Rare
<i>Salix caprea</i>	Goat Willow	Rare
<i>Malus sylvestris</i>	Crab Apple	Rare
<i>Viburnum lantana</i>	Wayfaring-tree	Rare
<i>Ulmus glabra</i>	Wych Elm	Rare



TVERC recommends that hedgerow planting on the Garden Village site should include the dominant and frequent species as a minimum. As an important food plant for Hairstreak butterflies, hedges should include Blackthorn as at least a frequent species (e.g. 20% of the species mix). Hedgerows should also include occasional and rare species from the list above at a low frequency. Preference should

be given to fruiting species to provide additional food sources for biodiversity.

Hedgerow standard trees should be Pedunculate oak (*Quercus robur*) at a frequency of approximately one tree per 200 meters where possible.

Ponds

TVERC holds relatively little survey data for ponds in Oxfordshire. There is survey data for a pond on South Freeland Meadows LWS, adjacent to the Garden Village site. The plant species recorded in that pond are shown in table 4.

In general it is recommended that ponds are not planted and are allowed to colonise naturally from ponds in the surrounding landscape. This reduces the risk of invasive or vigorous species being introduced.

TVERC recommends that the [NatureSpace Partnership](#) and the [Newt Conservation Partnership](#) are contacted for advice and guidance on pond creation and management.

Table 4. Pond species list

Taxon Name	Common Name
<i>Cirsium palustre</i>	Marsh Thistle
<i>Apium nodiflorum</i>	Fool's-water-cress
<i>Glyceria maxima</i>	Reed Sweet-grass
<i>Equisetum palustre</i>	Marsh Horsetail
<i>Persicaria hydropiper</i>	Water-pepper
<i>Mentha aquatica</i>	Water Mint
<i>Carex acutiformis</i>	Lesser Pond-sedge
<i>Carex riparia</i>	Greater Pond-sedge
<i>Alopecurus geniculatus</i>	Marsh Foxtail
<i>Rorippa nasturtium-aquaticum</i> agg.	Watercress
<i>Callitriche stagnalis</i>	Common Water-starwort
<i>Scrophularia auriculata</i>	Water Figwort
<i>Galium palustre</i>	Marsh-bedstraw
<i>Gnaphalium uliginosum</i>	Marsh Cudweed
<i>Alisma plantago-aquatica</i>	Water-plantain
<i>Berula erecta</i>	Lesser Water-parsnip
<i>Galium palustre</i> subsp. <i>palustre</i>	Common Marsh-bedstraw
<i>Callitriche</i>	Water-Starwort
<i>Myosotis scorpioides</i>	Water Forget-me-not
<i>Phalaris arundinacea</i>	Reed Canary-grass
<i>Sparganium erectum</i>	Branched Bur-reed



Appendix 1

Local Wildlife Sites in the Garden Village area

Location	Designation
Bank West of Abel Wood	Local Wildlife Site
Barleypark Wood	Local Wildlife Site
Begbroke Wood	Local Wildlife Site
Bladon Heath	Local Wildlife Site
Boy's Wood	Local Wildlife Site
City Farm LWS	Local Wildlife Site
Dunster Meadow	Local Wildlife Site
Holly Grove and Coneygar Copse	Local Wildlife Site
Home Wood	Local Wildlife Site
Lady Grove	Local Wildlife Site
Langland Farm Meadows, Finstock	Local Wildlife Site
Manor Farm Meadow, Crawley	Local Wildlife Site
Mouldens Wood and Davis Copse	Local Wildlife Site
Newbarn Farm Pastures	Local Wildlife Site
Park Cottage Hayfield	Local Wildlife Site
Pinsley Wood	Local Wildlife Site
South Freeland Meadows	Local Wildlife Site
Tar Wood	Local Wildlife Site
Topples Wood	Local Wildlife Site

Appendix 2

Grass species recorded in Lowland meadow habitat on Local Wildlife Sites

Location	Designation
Taxon Name	Common Name
<i>Lolium perenne</i>	Perennial Rye-grass
<i>Cynosurus cristatus</i>	Crested Dog's-tail
<i>Dactylis glomerata</i>	Cock's-foot
<i>Holcus lanatus</i>	Yorkshire-fog
<i>Poa trivialis</i>	Rough Meadow-grass
<i>Festuca rubra</i>	Red Fescue
<i>Agrostis stolonifera</i>	Creeping Bent
<i>Phleum pratense</i>	Timothy
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass
<i>Poa pratensis</i>	Smooth Meadow-grass
<i>Arrhenatherum elatius</i>	False Oat-grass
<i>Trisetum flavescens</i>	Yellow Oat-grass
<i>Deschampsia cespitosa</i>	Tufted Hair-Grass
<i>Alopecurus pratensis</i>	Meadow Foxtail
<i>Phleum bertolonii</i>	Smaller Cat's-tail
<i>Elytrigia repens</i>	Common Couch
<i>Alopecurus geniculatus</i>	Marsh Foxtail
<i>Briza media</i>	Quaking-grass
<i>Hordeum secalinum</i>	Meadow Barley
<i>Bromopsis erecta</i>	Upright Brome
<i>Glyceria fluitans</i>	Floating Sweet-grass
<i>Poa annua</i>	Annual Meadow-grass
<i>Agrostis capillaris</i>	Common Bent
<i>Bromus hordeaceus</i>	Lesser Soft-Brome
<i>Festuca arundinacea</i>	Tall Fescue
<i>Bromus sterilis</i>	Barren Brome
<i>Glyceria maxima</i>	Reed Sweet-grass
<i>Festuca gigantea</i>	Giant Fescue
<i>Phalaris arundinacea</i>	Reed Canary-grass
<i>Hordeum murinum</i>	Wall Barley
<i>Brachypodium pinnatum</i>	Heath False-brome
<i>Festuca pratensis</i>	Meadow Fescue
<i>Glyceria notata</i>	Plicate Sweet-grass
<i>Bromus hordeaceus</i> subsp. <i>hordeaceus</i>	Common Soft-brome
<i>Holcus mollis</i>	Creeping Soft-grass
<i>Bromopsis ramosa</i>	Hairy-brome
<i>Brachypodium sylvaticum</i>	False-brome
<i>Poa nemoralis</i>	Wood Meadow-grass

Bromus commutatus	Meadow Brome
Helictotrichon pubescens	Downy Oat-grass
Festuca rubra agg.	Red Fescue
Festuca pratensis x Lolium perenne = X Festulolium loliaceum	Hybrid Fescue
Molinia caerulea	Purple Moor-grass
Phragmites australis	Common Reed
Koeleria macrantha	Crested Hair-grass
Melica uniflora	Wood Melick
Helictotrichon pratense	Meadow Oat-grass

Herb species (includes hedgerow and tree species (recorded in Lowland meadow habitat on Local Wildlife Sites

Taxon Name	Common Name
Cirsium arvense	Creeping Thistle
Ranunculus repens	Creeping Buttercup
Cerastium fontanum	Common Mouse-ear
Trifolium repens	White Clover
Trifolium pratense	Red Clover
Plantago lanceolata	Ribwort Plantain
Ranunculus acris	Meadow Buttercup
Rumex acetosa	Common Sorrel
Lathyrus pratensis	Meadow Vetchling
Prunella vulgaris	Selfheal
Plantago major	Greater Plantain
Cirsium vulgare	Spear Thistle
Centaurea nigra	Common Knapweed
Taraxacum officinale agg.	Dandelion
Bellis perennis	Daisy
Medicago lupulina	Black Medick
Geranium dissectum	Cut-leaved Crane's-bill
Carex hirta	Hairy Sedge
Urtica dioica	Common Nettle
Crataegus monogyna	Hawthorn
Rubus fruticosus agg.	Bramble
Potentilla reptans	Creeping Cinquefoil
Rosa canina agg.	Dog Rose
Prunus spinosa	Blackthorn
Lotus corniculatus	Common Bird's-foot-trefoil
Glechoma hederacea	Ground-ivy
Galium verum	Lady's Bedstraw
Scorzoneroides autumnalis	Autumn Hawkbit
Juncus inflexus	Hard Rush
Rumex obtusifolius	Broad-leaved Dock
Galium aparine	Cleavers
Sambucus nigra	Elder
Rumex crispus	Curled Dock

Taxon Name	Common Name
<i>Carex flacca</i>	Glaucous Sedge
<i>Veronica beccabunga</i>	Brooklime
<i>Salix euxina</i> x <i>alba</i> = <i>S. x fragilis</i>	Hybrid Crack-willow
<i>Lysimachia nummularia</i>	Creeping-Jenny
<i>Silaum silaus</i>	Pepper-saxifrage
<i>Fraxinus excelsior</i>	Ash
<i>Achillea millefolium</i>	Yarrow
<i>Leucanthemum vulgare</i>	Oxeye Daisy
<i>Scrophularia auriculata</i>	Water Figwort
<i>Veronica chamaedrys</i>	Germander Speedwell
<i>Persicaria maculosa</i>	Redshank
<i>Corylus avellana</i>	Hazel
<i>Leontodon hispidus</i>	Rough Hawkbit
<i>Senecio jacobaea</i>	Common Ragwort
<i>Sonchus asper</i>	Prickly Sow-thistle
<i>Heracleum sphondylium</i>	Hogweed
<i>Sonchus oleraceus</i>	Smooth Sow-thistle
<i>Stachys sylvatica</i>	Hedge Woundwort
<i>Trifolium dubium</i>	Lesser Trefoil
<i>Anthriscus sylvestris</i>	Cow Parsley
<i>Primula veris</i>	Cowslip
<i>Plantago media</i>	Hoary Plantain
<i>Convolvulus arvensis</i>	Field Bindweed
<i>Cirsium palustre</i>	Marsh Thistle
<i>Epilobium hirsutum</i>	Great Willowherb
<i>Apium nodiflorum</i>	Fool's-water-cress
<i>Quercus robur</i>	Pedunculate Oak
<i>Silene flos-cuculi</i>	Ragged-Robin
<i>Hypericum tetrapterum</i>	Square-stalked St John's-wort
<i>Geum urbanum</i>	Wood Avens
<i>Agrimonia eupatoria</i>	Agrimony
<i>Geranium robertianum</i>	Herb-Robert
<i>Galium mollugo</i>	Hedge Bedstraw
<i>Juncus articulatus</i>	Jointed Rush
<i>Juncus acutiflorus</i>	Sharp-flowered Rush
<i>Juncus effusus</i>	Soft-rush
<i>Carex otrubae</i>	False Fox-sedge
<i>Carex acutiformis</i>	Lesser Pond-sedge
<i>Carex riparia</i>	Greater Pond-sedge
<i>Ranunculus ficaria</i>	Lesser Celandine
<i>Stellaria media</i>	Common Chickweed
<i>Polygonum aviculare</i>	Knotgrass
<i>Cardamine pratensis</i>	Cuckooflower
<i>Acer campestre</i>	Field Maple
<i>Lamium album</i>	White Dead-nettle
<i>Galium palustre</i>	Marsh-bedstraw
<i>Luzula campestris</i>	Field Wood-rush
<i>Dioscorea communis</i>	Black Bryony

Taxon Name	Common Name
<i>Stellaria graminea</i>	Lesser Stitchwort
<i>Hedera helix</i>	Ivy
<i>Rumex sanguineus</i>	Wood Dock
<i>Filipendula ulmaria</i>	Meadowsweet
<i>Rhinanthus minor</i>	Yellow-rattle
<i>Callitriche</i>	Water-Starwort
<i>Potentilla anserina</i>	Silverweed
<i>Vicia cracca</i>	Tufted Vetch
<i>Pilosella officinarum</i>	Mouse-ear-hawkweed
<i>Cirsium acaule</i>	Dwarf Thistle
<i>Bryonia dioica</i>	White Bryony
<i>Calystegia sepium</i>	Hedge Bindweed
<i>Pimpinella saxifraga</i>	Burnet-saxifrage
<i>Vicia sativa</i>	Common Vetch
<i>Poterium sanguisorba</i>	Salad Burnet
<i>Tragopogon pratensis</i>	Goat's-beard
<i>Crepis capillaris</i>	Smooth Hawk's-beard
<i>Carex spicata</i>	Spiked Sedge
<i>Knautia arvensis</i>	Field Scabious
<i>Lapsana communis</i>	Nipplewort
<i>Equisetum palustre</i>	Marsh Horsetail
<i>Ranunculus flammula</i>	Lesser Spearwort
<i>Rumex conglomeratus</i>	Clustered Dock
<i>Malus sylvestris</i>	Crab Apple
<i>Lotus pedunculatus</i>	Greater Bird's-foot-trefoil
<i>Torilis japonica</i>	Upright Hedge-parsley
<i>Ajuga reptans</i>	Bugle
<i>Mentha arvensis</i>	Corn Mint
<i>Mentha aquatica</i>	Water Mint
<i>Succisa pratensis</i>	Devil's-bit Scabious
<i>Hypochaeris radicata</i>	Cat's-ear
<i>Leontodon saxatilis</i>	Lesser Hawkbit
<i>Achillea ptarmica</i>	Sneezewort
<i>Matricaria discoidea</i>	Pineappleweed
<i>Lemna minor</i>	Common Duckweed
<i>Juncus bufonius</i>	Toad Rush
<i>Ulmus procera</i>	English Elm
<i>Rorippa nasturtium-aquaticum</i> agg.	Watercress
<i>Rosa canina</i>	Dog-rose
<i>Malus pumila</i>	Apple
<i>Vicia sativa</i> subsp. <i>segetalis</i>	Common Vetch
<i>Conopodium majus</i>	Pignut
<i>Angelica sylvestris</i>	Wild Angelica
<i>Solanum dulcamara</i>	Bittersweet
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell
<i>Dipsacus fullonum</i>	Wild Teasel
<i>Gnaphalium uliginosum</i>	Marsh Cudweed
<i>Alisma plantago-aquatica</i>	Water-plantain

Taxon Name	Common Name
<i>Juncus bufonius</i> agg.	Toad Rush agg.
<i>Vicia tetrasperma</i>	Smooth Tare
<i>Carex leporina</i>	Oval Sedge
<i>Chaerophyllum temulum</i>	Rough Chervil
<i>Crataegus laevigata</i>	Midland Hawthorn
<i>Eleocharis palustris</i>	Common Spike-rush
<i>Salix cinerea</i>	Common Sallow
<i>Galeopsis tetrahit</i>	Common Hemp-nettle
<i>Lycopus europaeus</i>	Gypsywort
<i>Myosotis scorpioides</i>	Water Forget-me-not
<i>Senecio erucifolius</i>	Hoary Ragwort
<i>Sparganium erectum</i>	Branched Bur-reed
<i>Polygonum aviculare</i> agg.	Knotgrass agg.
<i>Linum catharticum</i>	Fairy Flax
<i>Carduus nutans</i>	Musk Thistle
<i>Juglans regia</i>	Walnut
<i>Dactylorhiza incarnata</i>	Early Marsh-orchid
<i>Clematis vitalba</i>	Traveller's-joy
<i>Silene latifolia</i>	White Campion
<i>Malva sylvestris</i>	Common Mallow
<i>Poterium sanguisorba</i> subsp. <i>sanguisorba</i>	Salad Burnet
<i>Ononis repens</i>	Common Restharrow
<i>Geranium molle</i>	Dove's-foot Crane's-bill
<i>Ballota nigra</i>	Black Horehound
<i>Carduus crispus</i>	Wetted Thistle
<i>Equisetum arvense</i>	Field Horsetail
<i>Alliaria petiolata</i>	Garlic Mustard
<i>Rhamnus cathartica</i>	Buckthorn
<i>Veronica anagallis-aquatica</i>	Blue Water-Speedwell
<i>Stachys palustris</i>	Marsh Woundwort
<i>Cirsium eriophorum</i>	Woolly Thistle
<i>Ranunculus bulbosus</i>	Bulbous Buttercup
<i>Geranium pratense</i>	Meadow Crane's-bill
<i>Carex disticha</i>	Brown Sedge
<i>Carex panicea</i>	Carnation Sedge
<i>Odontites vernus</i>	Red Bartsia
<i>Salvia pratensis</i>	Meadow Clary
<i>Acer pseudoplatanus</i>	Sycamore
<i>Euonymus europaeus</i>	Spindle
<i>Persicaria amphibia</i>	Amphibious Bistort
<i>Sisymbrium officinale</i>	Hedge Mustard
<i>Arctium lappa</i>	Greater Burdock
<i>Anacamptis pyramidalis</i>	Pyramidal Orchid
<i>Typha latifolia</i>	Bulrush
<i>Calliergonella cuspidata</i>	Pointed Spear-moss
<i>Ranunculus sceleratus</i>	Celery-leaved Buttercup
<i>Persicaria hydropiper</i>	Water-pepper
<i>Viola riviniana</i>	Common Dog-violet

Taxon Name	Common Name
<i>Cardamine flexuosa</i>	Wavy Bitter-cress
<i>Epilobium parviflorum</i>	Hoary Willowherb
<i>Myosotis laxa</i>	Tufted Forget-me-not
<i>Crepis vesicaria</i>	Beaked Hawk's-beard
<i>Carex</i>	Sedge
<i>Anacamptis morio</i>	Green-winged Orchid
<i>Moehringia trinervia</i>	Three-nerved Sandwort
<i>Stellaria holostea</i>	Greater Stitchwort
<i>Rumex acetosella</i> subsp. <i>acetosella</i>	Sheep's Sorrel
<i>Callitriche stagnalis</i>	Common Water-starwort
<i>Arctium minus</i>	Lesser Burdock
<i>Hyacinthoides non-scripta</i>	Bluebell
<i>Berula erecta</i>	Lesser Water-parsnip
<i>Galium palustre</i> subsp. <i>palustre</i>	Common Marsh-bedstraw
<i>Juncus conglomeratus</i>	Compact Rush
<i>Tripleurospermum inodorum</i>	Scentless Mayweed
<i>Ulex europaeus</i>	Gorse
<i>Ulmus glabra</i>	Wych Elm
<i>Anagallis arvensis</i>	Scarlet Pimpernel
<i>Daucus carota</i>	Carrot
<i>Potentilla erecta</i>	Tormentil
<i>Stachys officinalis</i>	Betony
<i>Dactylorhiza maculata</i>	Heath Spotted-orchid
<i>Vicia hirsuta</i>	Hairy Tare
<i>Aphanes arvensis</i>	Parsley-piert
<i>Vicia</i>	A Flowering Plant
<i>Brachythecium rutabulum</i>	Rough-stalked Feather-moss
<i>Medicago arabica</i>	Spotted Medick
<i>Urtica urens</i>	Small Nettle
<i>Fallopia convolvulus</i>	Black-bindweed
<i>Capsella bursa-pastoris</i>	Shepherd's-purse
<i>Trifolium campestre</i>	Hop Trefoil
<i>Hyoscyamus niger</i>	Henbane
<i>Thymus polytrichus</i>	A Flowering Plant
<i>Salvia verbenaca</i>	Wild Clary
<i>Inula conyzae</i>	Ploughman's-spikenard
<i>Caltha palustris</i>	Marsh-marigold
<i>Myosoton aquaticum</i>	Water Chickweed
<i>Stellaria pallida</i>	Lesser Chickweed
<i>Rumex pulcher</i>	Fiddle Dock
<i>Helianthemum nummularium</i>	Common Rock-rose
<i>Chamerion angustifolium</i>	Rosebay Willowherb
<i>Ilex aquifolium</i>	Holly
<i>Geranium rotundifolium</i>	Round-leaved Crane's-bill
<i>Erodium cicutarium</i> agg.	Common Stork's-Bill
<i>Solanum nigrum</i>	Black Nightshade
<i>Lamium purpureum</i>	Red Dead-nettle
<i>Thymus pulegioides</i>	Large Thyme

Taxon Name	Common Name
<i>Orobanche minor</i>	Common Broomrape
<i>Eriophorum angustifolium</i>	Common Cottongrass
<i>Taxus baccata</i>	Yew
<i>Stellaria palustris</i>	Marsh Stitchwort
<i>Rumex hydrolapathum</i>	Water Dock
<i>Malva setigera</i>	Rough Marsh-mallow
<i>Salix caprea</i>	Goat Willow
<i>Rorippa nasturtium-aquaticum</i>	Water-cress
<i>Lysimachia vulgaris</i>	Yellow Loosestrife
<i>Ribes rubrum</i>	Red Currant
<i>Ribes nigrum</i>	Black Currant
<i>Ribes uva-crispa</i>	Gooseberry
<i>Sorbus aucuparia</i>	Rowan
<i>Vicia sepium</i>	Bush Vetch
<i>Lythrum salicaria</i>	Purple-loosestrife
<i>Cornus sanguinea</i>	Dogwood
<i>Hydrocotyle vulgaris</i>	Marsh Pennywort
<i>Oenanthe fistulosa</i>	Tubular Water-dropwort
<i>Lamium amplexicaule</i>	Henbit Dead-nettle
<i>Galeopsis tetrahit</i> agg.	Common Hemp-Nettle agg.
<i>Scutellaria galericulata</i>	Skullcap
<i>Veronica catenata</i>	Pink Water-Speedwell
<i>Galium uliginosum</i>	Fen Bedstraw
<i>Lonicera periclymenum</i>	Honeysuckle
<i>Valeriana officinalis</i>	Common Valerian
<i>Valeriana dioica</i>	Marsh Valerian
<i>Artemisia vulgaris</i>	Mugwort
<i>Eupatorium cannabinum</i>	Hemp-agrimony
<i>Iris pseudacorus</i>	Yellow Iris
<i>Aegopodium podagraria</i>	Ground-elder
<i>Origanum vulgare</i>	Wild Marjoram
<i>Ligustrum vulgare</i>	Wild Privet
<i>Thalictrum flavum</i>	Common Meadow-rue
<i>Humulus lupulus</i>	Hop
<i>Triglochin palustre</i>	Marsh Arrowgrass
<i>Pulicaria dysenterica</i>	Common Fleabane
<i>Hypericum perforatum</i>	Perforate St John's-wort
<i>Lathyrus latifolius</i>	Broad-leaved Everlasting-pea
<i>Veronica persica</i>	Common Field-speedwell
<i>Carex viridula</i> subsp. <i>brachyrrhyncha</i>	Long-stalked Yellow-sedge
<i>Lepidium coronopus</i>	Swine-cress
<i>Eleocharis uniglumis</i>	Slender Spike-rush
<i>Carex nigra</i>	Common Sedge
<i>Aesculus hippocastanum</i>	Horse-chestnut
<i>Prunus avium</i>	Wild Cherry
<i>Arenaria serpyllifolia</i>	Thyme-Leaved Sandwort
<i>Silene vulgaris</i>	Bladder Campion
<i>Verbascum thapsus</i>	Great Mullein

Taxon Name	Common Name
<i>Tilia cordata</i>	Small-leaved Lime
<i>Carex viridula</i>	Yellow-sedge
<i>Alnus glutinosa</i>	Alder
<i>Betula pendula</i>	Silver Birch
<i>Centaurea scabiosa</i>	Greater Knapweed
<i>Torilis nodosa</i>	Knotted Hedge-parsley
<i>Senecio vulgaris</i>	Groundsel
<i>Malva moschata</i>	Musk-mallow
<i>Populus tremula</i>	Aspen
<i>Viburnum opulus</i>	Guelder-rose
<i>Geranium pyrenaicum</i>	Hedgerow Crane's-bill
<i>Onobrychis viciifolia</i>	Sainfoin
<i>Populus alba</i>	White Poplar
<i>Papaver dubium</i>	Long Smooth-headed Poppy
<i>Viburnum lantana</i>	Wayfaring-tree
<i>Mercurialis perennis</i>	Dog's Mercury
<i>Symphytum officinale</i>	Common Comfrey
<i>Viola odorata</i>	Sweet Violet
<i>Ophioglossum vulgatum</i>	Adder's-tongue
<i>Dactylorhiza fuchsii</i>	Common Spotted-orchid
<i>Daucus carota</i> subsp. <i>carota</i>	Wild Carrot
<i>Senecio aquaticus</i>	Marsh Ragwort
<i>Arum maculatum</i>	Lords-and-Ladies
<i>Polygala</i>	Milkwort
<i>Dactylorhiza praetermissa</i>	Southern Marsh-orchid
<i>Rosa arvensis</i>	Field-rose
<i>Myosotis arvensis</i>	Field Forget-me-not
<i>Papaver rhoeas</i>	Common Poppy
<i>Picris echioides</i>	Bristly Oxtongue
<i>Reseda lutea</i>	Wild Mignonette

About TVERC

Thames Valley Environmental Records Centre (TVERC) is a 'not for profit' organisation covering Berkshire and Oxfordshire. We are run by a partnership and are one of a national network of local records centres. We are a member of the Association of Local Records Centres (ALERC) and the National Biodiversity Network (NBN). Our funding partners include all the local authorities in Oxfordshire & Berkshire plus the Environment Agency. We also work closely with the Berkshire, Buckinghamshire and Oxfordshire Wildlife Trust.

Our records

We hold over 2.7 million records of flora and fauna in Berkshire and Oxfordshire plus information about Local Wildlife and Geological Sites, NERC Act S41 Habitats of Principal Importance (previously called UK Biodiversity Action Plan (BAP) habitats) and Ecological Networks (Conservation Target Areas and Biodiversity Opportunity Areas). We collect this data from the general public, skilled volunteer /amateur recorders, professionals working for wildlife charities (BBOWT and RSPB), professionals working for government agencies (the Environment Agency & local authorities) and ecological consultants. This information is used:

- by planning authorities and developers to make informed decisions on the design and location of sustainable development
- to help farmers, land-owners and conservation organisations manage land in the best way to enhance biodiversity
- by nature partnerships to direct wildlife conservation work
- by teachers, students and scientists for education and scientific research.

For more information please visit our website:

www.tverc.org

What we do

We provide our funding partners with annually updated species and sites information as GIS tables, and undertake surveys of local wildlife sites. We also carry out data analysis for the monitoring of local authority Local Plans. We provide information to parish councils, local people, conservation bodies, land-owners, students and commercial organisations such as ecological consultants and utilities companies via data searches, data licensing and data exchanges. We provide other services such as ecological surveys, data analysis & presentation and training.

