

LANDSCAPE AND OPEN SPACE PLANTING STRATEGY

MOSAIC INSPRATION

The harsh substrate and soils of the former railway sidings has given rise to a particularly diverse mosaic of plants species, referred to as Open Mosaic Habitat (OMH), still present in places where woody vegetation has not succeeded it. This floriferous, invertebrate friendly planting serves as inspiration to the character and strategy for the new planting proposals across the site. The species mix itself includes biennials and short lived species that are not necessarily appropriate to a managed landscape; however the longer-living relatives or cultivars of some of these are proposed, along with bee, butterfly and moth-friendly species. Grasses and herbaceous plants are mixed in a matrix across all sunny areas of the site, as an 'Open Mosaic Mimic'.

JULY 2021



Flowering plants

- Achillea millefolium*
- Aethusa cynapium*
- Alliaria petiolata*
- Anagallis arvensis*
- Anchusa officinalis*
- Aphanes arvensis*
- Arabidopsis thaliana*
- Arctium minus*
- Arenaria serpyllifolia*
- Artemisia vulgaris*
- Asparagus officinalis*
- Atriplex prostrata*
- Barbarea vulgaris*
- Blackstonia perfoliata*
- Brassica nigra*
- Bryonia dioica*
- Calystegia silvatica*
- Capsella bursa-pastoris*
- Cardamine flexuosa*
- Cardamine hirsuta*
- Carlina vulgaris*
- Centaurea nigra*
- Centaureum erythraea*
- Centaureum pulchellum*
- Cerastium glomeratum*
- Cerastium fontanum*
- Chaenorhinum minus*
- Chamerion angustifolium*
- Chenopodium album*
- Chenopodium bonus-henricus*
- Chenopodium ficifolium*
- Chenopodium polyspermum*
- Cicerbita macrophylla*
- Cirsium acaule*
- Cirsium arvense*
- Cirsium palustre*
- Cirsium vulgare*
- Clinopodium ascendens*
- Clinopodium vulgare*
- Consolida ajacis*
- Convolvulus arvensis*
- Conyza canadensis*
- Conyza floribunda*
- Crepis biennis*
- Crepis capillaris*
- Crepis vesicaria*
- Daucus carota*
- Digitalis purpurea*
- Dipsacus fullonum*
- Echium vulgare*
- Epilobium ciliatum*
- Epilobium hirsutum*
- Epilobium montanum*
- Epilobium parviflorum*
- Epilobium roseum*
- Epilobium tetragonum*
- Erigeron acer*
- Erodium cicutarium*
- Erophila verna*
- Erysimum cheiranthoides*
- Eupatorium cannabinum*
- Euphorbia lathyris*
- Euphorbia peplus*
- Euphorbia helioscopia*
- Fallopia convolvulus*
- Filago vulgaris*
- Fragaria ananassa*
- Fragaria vesca*
- Fumaria officinalis*
- Galium aparine*
- Geranium columbinum*
- Geranium dissectum*
- Geranium molle*
- Geranium pusillum*
- Geranium robertianum*
- Geum urbanum*
- Yarrow
- Fool's Parsley
- Garlic Mustard
- Scarlet Pimpernel
- Alkanet
- Parsley-piert
- Thale Cress
- Lesser Burdock
- Thyme-leaved Sandwort
- Mugwort
- Asparagus
- Spear-leaved Orache
- Winter-cress
- Yellow-wort
- Black Mustard
- White Bryony
- Large Bindweed
- Shepherd's-purse
- Wavy Bitter-cress
- Hairy Bitter-cress
- Carlina Thistle
- Common Knapweed
- Common Centaury
- Lesser Centaury
- Sticky Mouse-ear
- Common Mouse-ear
- Small Toadflax
- Rosebay Willowherb
- Fat-hen
- Good-King-Henry
- Fig-leaved Goosefoot
- Many-seeded Goosefoot
- Common Blue-sow-thistle
- Dwarf Thistle
- Creeping Thistle
- Marsh Thistle
- Spear Thistle
- Common Calamint
- Wild Basil
- Larkspur
- Field Bindweed
- Canadian Fleabane
- Bilbao's Fleabane
- Rough Hawk's-beard
- Smooth Hawk's-beard
- Beaked Hawk's-beard
- Wild Carrot
- Foxglove
- Foxglove
- Teasel
- Viper's-bugloss
- American Willowherb
- Great Willowherb
- Broad-leaved Willowherb
- Hoary Willowherb
- Pale Willowherb
- Square-stalked Willowherb
- Blue Fleabane
- Comon Stork's-bill
- Common whitlowgrass
- Treacle Mustard
- Hemp-agrimony
- Caper Spurge
- Petty Spurge
- Sun Spurge
- Black-bindweed
- Common Cudweed
- Garden Strawberry
- Wild Strawberry
- Common Fumitory
- Cleavers
- Long-stalked Crane's-bill
- Cut-leaved Crane's-bill
- Dove's-foot Crane's-bill
- Small-flowered Crane's-bill
- Herb-Robert
- Wood Avens

- Glechoma hederacea*
- Gnaphalium uliginosum*
- Helminthotheca echioides*
- Heracleum sphondylium*
- Hieracium sp.*
- Hirschfeldia incana*
- Hypericum hirsutum*
- Hypericum perforatum*
- Hypochaeris radicata*
- Inula conyzae*
- Kickxia elatine*
- Knautia arvensis*
- Lactuca virosa*
- Lamium album*
- Lamium purpureum*
- Lapsana communis*
- Lathyrus latifolius*
- Lathyrus pratensis*
- Leontodon autumnalis*
- Leontodon saxatilis*
- Lepidium didymum*
- Leucanthemum vulgare*
- Linaria vulgaris*
- Linaria purpurea*
- Lotus corniculatus*
- Malva sp.*
- Malva sylvestris*
- Matricaria camomilla*
- Medicago arabica*
- Medicago lupulina*
- Melilotus officinalis*
- Melilotus sp.*
- Mentha aquatica*
- Moehringia trinervia*
- Mycelis muralis*
- Myosotis arvensis*
- Myosotis ramosissima*
- Odontites vernus*
- Oenothera cambrica*
- Oenothera glazioviana*
- Ononis repens*
- Origanum vulgare*
- Papaver rhoeas*
- Papaver somniferum*
- Pastinaca sativa*
- Persicaria hydropiper*
- Persicaria lapathifolia*
- Persicaria maculosa*
- Picris hieracioides*
- Pilosella officinarum*
- Plantago coronopus*
- Plantago lanceolata*
- Plantago major*
- Plantago media*
- Polygonum arenastrum*
- Polygonum aviculare*
- Potentilla reptans*
- Potentilla sterilis*
- Prunella vulgaris*
- Pulicaria dysenterica*
- Ranunculus acris*
- Ranunculus repens*
- Reseda alba*
- Reseda lutea*
- Reseda luteola*
- Rumex crispus*
- Rumex obtusifolius*
- Rumex sanguineus*
- Sagina procumbens*
- Sedum acre*
- Senecio inaequidens*
- Senecio jacobaea*
- Senecio viscosus*
- Senecio vulgaris*
- Silene latifolia*
- Silene vulgaris*

- Ground-ivy
- Marsh Cudweed
- Bristly Oxtongue
- Hogweed
- a hawkweed
- Hoary Mustard
- Hairy St John's-wort
- Perforate St John's-wort
- Cat's-ear
- Ploughman's Spikenard
- Sharp-leaved Fluellen
- Field Scabious
- Great Lettuce
- White Dead-nettle
- Red Dead-nettle
- Nipplewort
- Broad-leaved Everlasting Pea
- Meadow Vetchling
- Autumn Hawkbit
- Lesser Hawkbit
- Lesser Swine-cress
- Oxeye Daisy
- Common Toadflax
- Purple Toadflax
- Common Bird's-foot-trefoil
- a garden mallow
- Common Mallow
- Scented Mayweed
- Spotted Medick
- Black Medick
- Ribbed Melilot
- a melilot
- Water Mint
- Three-nerved Sandwort
- Wall Lettuce
- Field Forget-me-not
- Early Forget-me-not
- Red Bartsia
- Small-flowered Evening-primro
- Large-flowered Evening-primro
- Common Restharrow
- Wild Marjoram
- Common Poppy
- Opium Poppy
- Wild Parsnip
- Water-pepper
- Pale persicaria
- Redshank
- Hawkweed Oxtongue
- Mouse-ear-hawkweed
- Buck's-horn Plantain
- Ribwort Plantain
- Greater Plantain
- Hoary Plantain
- Equal-leaved Knotgrass
- Knotgrass
- Creeping Cinquefoil
- Barren Strawberry
- Selfheal
- Common Fleabane
- Meadow Buttercup
- Creeping Buttercup
- White Mignonette
- Wild Mignonette
- Weld
- Curled Dock
- Broad-leaved Dock
- Wood Dock
- Procumbent Pearlwort
- Biting Stonecrop
- Narrow-leaved Ragwort
- Common Ragwort
- Sticky Groundsel
- Groundsel
- White Campion
- Bladder Campion

- Sinapis arvensis*
- Sison amomum*
- Sisymbrium officinale*
- Solanum dulcamara*
- Solanum lycopersicum*
- Solanum nigrum*
- Solidago canadensis*
- Sonchus arvensis*
- Sonchus asper*
- Sonchus oleraceus*
- Stachys sylvatica*
- Stellaria media*
- Symphytum 'uplandicum*
- Taraxacum sect. Ruderalia*
- Teucrium scorodonia*
- Torilis japonica*
- Trifolium campestre*
- Trifolium dubium*
- Trifolium micranthum*
- Trifolium repens*
- Tripleurospermum inodorum*
- Triticum aestivum*
- Tussilago farfara*
- Urtica dioica*
- Urtica dioica ssp. galeopsifolia*
- Urtica urens*
- Valerianella locusta*
- Verbascum pulverulentum x thapsus*
- Verbascum thapsus*
- Verbascum virgatum*
- Verbena officinalis*
- Veronica arvensis*
- Veronica officinalis*
- Veronica persica*
- Veronica serpyllifolia*
- Vicia hirsuta*
- Vicia sativa*
- Vicia tetrasperma*
- Viola arvensis*
- Viola odorata*
- Viola riviniana*
- Charlock
- Stone Parsley
- Hedge Mustard
- Bittersweet
- Tomato
- Black Nightshade
- Canadian Goldenrod
- Perennial Sow-thistle
- Prickly Sow-thistle
- Smooth Sow-thistle
- Hedge Woundwort
- Common Chickweed
- Russian Comfrey
- Common Dandelion
- Wood Sage
- Upright Hedge-parsley
- Hop Trefoil
- Lesser Trefoil
- Slender Trefoil
- White Clover
- Scentless Mayweed
- Wheat
- Colt's-foot
- Common Nettle
- Stingless Nettle
- Small Nettle
- Common Cornsalad
- Hybrid mullein
- Great Mullein
- Twiggy Mullein
- Vervain
- Wall Speedwell
- Heath Speedwell
- Common Field-speedwell
- Thyme-leaved Speedwell
- Hairy Tare
- Common Vetch
- Smooth Tare
- Field Pansy
- Sweet Violet
- Common Dog-violet

-PARTIAL SPECIES
LIST AUGUST 2017

LANDSCAPE AND OPEN SPACE PLANTING STRATEGY (EAST)

CHARACTER

Planting character in these urban spaces within the commercial triangle are infused with a touch of the wilder landscape to the immediate north. Grasses such as *Stipa gigantea* and *Miscanthus 'Abundance'* are set in a matrix of flower-rich OMH 'mimic' planting and bulbs. These form a soft foil to the buildings and hard surfaces. Structural plants such as small multistem trees and shrubs provide rhythm and structure in winter, along with plants with persistent dried seedheads. Swale planting includes shrubby willows and *Viburnums*, with *Lythrum*, *Iris* and *Carex muskingensis*. Raised planters will be irrigated, but will include more drought tolerant species.

KEY

-  Mix C - Cowley Road East Planting
40% Shrubs, 40% grasses + 10% OMH mimic
-  Mix D - Milton Avenue West and Cowley Road North Planting
10% shrubs, 30% structural grasses, 60% OMH 'mimic' using drought tolerant species in narrow beds
-  Mix E - Milton Avenue East Planting
As for Mix D but with some moisture tolerant species for dips
-  Mix F - Chesterton Square Planting
Simple high impact; limited species: Grasses and herbaceous
-  Mix G - Station Row Planting
20% shrubs, 20% grasses & 60% OMH with moisture tolerant plants near water
-  Mix H - Chesterton Passage and Station Row
Passage Shady Planting
80% shrubs & 20% herbaceous, mostly evergreen
-  Mix I - Cowley Circus Planting
Simple high impact with limited species. Grasses and herbaceous
-  Seeding Mix A - Moisture tolerant
-  Seeding Mix B - Bespoke OHM enhancement mix with long lived species



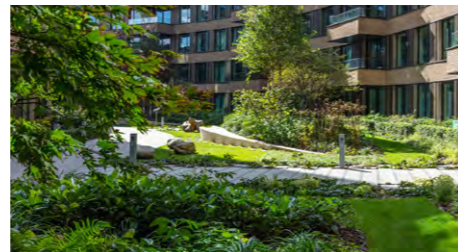
LANDSCAPE AND OPEN SPACE PLANTING STRATEGY (WEST)

CHARACTER

Planting character for the residential quarter will indicate function and location, but with a few key plants repeating across the space (such as *Stipa gigantea*). Planting against residences will comprise mostly evergreen planting that can tolerate dry conditions at the base of buildings: *Hebes*, *Ilex crenata*, low groundcovers. Planting amongst seating and quiet areas will offer partial, semi-transparent screening, beneath the trees and multi-stem small trees that populate Chesterton Gardens. Planting in the centre mimics the OMH character, floriferous, densely planted and mixed, with structural plants as a backbone. Play planting will offer playful shapes and the movement of grasses; 'scrapes' contain moisture tolerant species. On the guided busway, native hedgerows will fill in gaps in the woodland understory next to the allotments.

KEY

-  Mix A - Residential part shady evergreen mix
60% Low shrub; 40% ground cover, grasses, herbaceous
-  Mix B - Residential sunny evergreen mix
60% low shrub; 40% ground cover, grasses, herbaceous
-  Mix C - Open Mosaic 'Mimic' to play and recreation areas
80% grasses and herbaceous; 20% shrubs and sub-shrubs
-  Mix D - Moisture-tolerant Mix to swale depressions
90% grasses and herbaceous; 10% shrubs
-  Mix E - Open Mosaic 'Mimic'
80% grasses and herbaceous; 20% shrubs and sub-shrubs
-  Mix F - Low shrub mix to verges
Drought tolerant; 80% shrubs and sub-shrubs; 20% ground cover and grasses
-  Mix G - Woodland understory
Intermittent native shrub planting
(Hazel, Holly, Viburnum, Cornus) amongst existing vegetation
-  Ornamental hedgerow
-  Native hedgerow to swale edge
Mixed native hedgerow to include Holly
-  Seeded flowering lawn
Emorsgate EL1 Flowering lawn mix for reduced mowing frequency
-  Meadow grassland verge
Germinal WF1 Flowering meadow
-  Seeded Swale Banks
Emorsgate EM8 Meadow mixture for wetlands
-  Open Mosaic Habitat seeding
Bespoke mix using OMH species



LANDSCAPE AND OPEN SPACE PLANTING STRATEGY(WILD PARK)

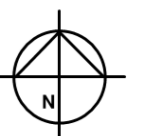
CHARACTER

The Wild Park will retain its scrubby and richly diverse natural character, and any and all new planting will support that strategy. Areas of volunteer trees and scrub will be cleared to allow the Open Mosaic species to germinate, under guidance from the ecologist. A bespoke seed mix that repeats and enhances the species character will be sown around the new walking path, so that visitors can be immersed in the OMH and the insects that it attracts. The pond banks will be sown with a similar mix, transitioning to a more moisture tolerant mix near the permanent waterline. Where the woodland scrub is retained, a part-shady native seed mix will be sown.



KEY

- Mix I - Cowley Circus Planting
Simple high impact with limited species. Grasses and herbaceous
- Seeding Mix A - Moisture tolerant
- Seeding Mix B - Bespoke OHM enhancement mix with long lived species
- Seeding Mix C - Bespoke OMH enhancement mix including biennials
- Seeding Mix D - Woodland understory mix



LANDSCAPE AND OPEN SPACE PLANTING CHARACTER: PRECEDENTS



Upright grasses punctuate matrix of planting



Multi-stem small trees as structural elements



Moisture tolerant planting to swales



Evergreen planting in shade and semi-shaded areas



Mix of shrubs, herbaceous planting and ornamental grasses



A variety of shapes and textures invite interest from all ages