Managing Green Spaces For Nature - Success

Sidmouth Town Council is working with the Sid Valley Biodiversity Group to manage some of its green spaces in a way that supports nature and this is going well.

The first area that was used as a trial was the large verge at The Bowd which STC manages on behalf of Devon Highways. The site comprises two areas of verge each approximately 100m long and tapering from 20m down to 10m wide. The site has some trees, mature Black Poplar and Birch with a line of young fruit trees planted three years ago by Sidmouth Arboretum, but most was rough grassland formerly mown with a rotary mower occasionally through the growing season. The arisings were left where they lay because it was too expensive to collect and clear them. This meant that other flowering plants were suppressed. Apart from two areas planted with daffodils, most of the site was rank grasses such as Yorkshire Fog (*Holcus lanatus*) and Cock's-foot (*Dactylis glomerata*) with some sporadic flowers but mainly Asteraceae 'weeds' such as Cat's Ears (*Hypochaeris sp.*). There was a small population of Grasshoppers and Crickets but few flying insects.

Two years ago, the partnership with SVBG was established and a trial management regime began. The edges of the site are cut and cleared to create sightline borders but the main area is managed in the manner of as traditional hay meadow, cut twice a year, in spring and late summer. In the first year volunteers collected the arisings to make it easier to for the contractor to remove them. Now the contractor has the capacity to cut and collect the arisings. There has been a successful sowing of Yellow Rattle (*Rhinanthus minor*) a semi-parasite that reduces the vigour of the rank grasses to allow other species a chance to establish themselves.

The new regime is already showing a positive impact. A survey on 1st July 2024 recorded 70 different species of herbaceous plant (Appendix 1) compared with only 47 recorded in previous surveys. Apart from the increased diversity, the area of rank grass is visibly reduced and the population of visible flowers is noticeably higher. There are areas where the grass is interspersed with the white stars of Lesser Stitchwort (*Stellaria graminea*) and other areas where the whole ground is covered with spreading mats of Greater Bird's-foot-trefoil (*Lotus pedunculatus*).



Lesser Stitchwort



Greater Bird's-foot-trefoil

There are at least two losses, one disappointing but one welcome exit. There was a small number of Broad-leaved Helleborines (*Epipactis helleborine*) on the verge. Generally these are plants of the woodland edge, perhaps the long grass used to provide sufficient cover, but there is no sign of them this year. Last year, Himalayan Balsam (*Impatiens glandulifera*) was starting to take hold on the wetter parts of the verge. Perhaps the absence of a blanket of wet mulch is having an effect, but the new regime doesn't seem to suit the invasive pest and it hasn't been seen yet this year.

It is not just about wildflowers. The diverse plant populations will support a diverse population of animals, invertebrates such as bees and millipedes, and vertebrates such as voles and birds. There has not been a proper survey of the animals, but the population of Grasshoppers and Crickets is noticeably increased and the newly spreading flowers are being visited regularly by a wide range of

flying insects. Six-spot Burnets have benefitted particularly because Bird's-foot-trefoil is the food plant for their caterpillars.



Carder Bee



Six-spot Burnet

A similar management scheme is evolving on the Brownlands amenity green with equal success. A brief survey recorded 43 plant species (Appendix 2), Meadow Grasshoppers, Dark Bush-crickets and three butterfly species, Meadow Brown, Ringlet and Large Skipper.

This project is enjoying real success but it will require continued commitment. If the cut and clear regime is not maintained then the areas will degenerate into scrub with a consequent loss of plant and animal diversity.

Ed Dolphin 6th July 2024

Appendix 1

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Lathyrus pratensisMeadow vetchlingLathyrus pratensisMeadow vetchlingLeucanthemum vulgareOxeye daisyLotus corniculatusCommon bird's-foot trefoil	Juncus conglomeratus	Compact Rush
Lathyrus pratensisMeadow vetchlingLeucanthemum vulgareOxeye daisyLotus corniculatusCommon bird's-foot trefoil	Lapsana communis	Nipplewort
Leucanthemum vulgareOxeye daisyLotus corniculatusCommon bird's-foot trefoil	Lathyrus pratensis	Meadow vetchling
Lotus corniculatus Common bird's-foot trefoil	Lathyrus pratensis	Meadow vetchling
	Leucanthemum vulgare	Oxeye daisy
Oenanthe crocata Hemlock Water-dronwort	Lotus corniculatus	Common bird's-foot trefoil
	Oenanthe crocata	Hemlock Water-dropwort
Plantago lanceolata Ribwort plantain	Plantago lanceolata	Ribwort plantain

Potentilla reptans	Creeping cinquefoil
Primula vulgaris	Primrose
Prunella vulgaris	Common selfheal
Ranunculus acris	Meadow buttercup
Ranunculus repens	Creeping buttercup
Rhinanthus minor	Yellow Rattle
Rhytidiadelphus squarrosus	Springy Turf-moss
Rosa agrestis	Small-leaved Sweet-briar
Rosa corymbifera	Hairy dog-rose
Rosa rubiginosa	Sweet-briar
Rubus ag.	Brambles
Rumex acetosa	Common Sorrel
Rumex obtusifolius	Broad-leaved dock
Scrophularia auriculata	Water Figwort
Scrophularia nodosa	Common Figwort
Silene dioica	Red campion
Sonchus asper	Prickly sowthistle
Stellaria graminea	Lesser stitchwort
Taraxacum ag.	Common dandelion
Tragopogon pratensis	Goat's-beard
Trifolium dubium	Lesser Trefoil
Trifolium pratense	Red Clover
Trifolium repens	White clover
Urtica dioica	Common nettle
Vicia sepium	Bush Vetch

Appendix 2

Plant Survey Results Brownlands Community Green 2024-07-06

scientific_namecommon_nameAchillea millefoliumYarrowAgrostis capillarisCommon BentAgrostis stoloniferaCreeping BentAnthoxanthum odoratumsweet vernal grassArum maculatumCuckoo-pintBambusoideaeBambooBellis perennisCommon daisyCentaurea nigraCommon Mouse-earCirsium vulgareSpear ThistleCrepis capillarisSmooth hawksbeardCynosurus cristatusCrested dog's-tail grassDactylis glomerataCock's-footDaucus carotaWild carrotEpilobium lanceolatumSpear-leaved WillowherbGeranium dissectumCut-leaved crane's-billGeum urbanumWood AvensHedera helixCommon Cat's-earJacobaea vulgarisRagwortLeontodon saxatilisHairy HawkbitLeucathemum ircutianumOxeye daisyLolium perennePerennial RyegrassLotus corniculatusCommon bird's-foot trefoilOenanthe pimpinelloidesCorky-fruited Water-dropwortPlantago lanceolataRibwort plantainPoa trivialisRough Meadow-grassPrunella vulgarisCommon selfhealRanunculus acrisMeadow buttercupRanunculus acrisMeadow buttercupRanunculus acrisMeadow buttercupRanunculus acrisMeadow buttercupRanunculus acrisMeadow buttercupRanunculus acrisMeadow buttercupRanunculus acrisMeadow buttercupRainus duba sp.Br		r
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Cynosurus cristatusCrested dog's-tail grassDactylis glomerataCock's-footDaucus carotaWild carrotEpilobium lanceolatumSpear-leaved WillowherbGeranium dissectumCut-leaved crane's-billGeum urbanumWood AvensHedera helixCommon ivyHeracleum sphondyliumHogweedHolcus lanatusYorkshire fogHypochaeris radicataCommon Cat's-earJacobaea vulgarisRagwortLeontodon saxatilisHairy HawkbitLeucanthemum ircutianumOxeye daisyLolium perennePerennial RyegrassLotus corniculatusCommon bird's-foot trefoilOenanthe pimpinelloidesCorky-fruited Water-dropwortPlantago lanceolataRibwort plantainPoa trivialisRough Meadow-grassPrunella vulgarisCommon selfhealRanunculus acrisMeadow buttercupRubus sp.BramblesRumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser TrefoilTrifolium dubiumLesser Trefoil	Cirsium vulgare	Spear Thistle
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Geum urbanumWood AvensHedera helixCommon ivyHeracleum sphondyliumHogweedHolcus lanatusYorkshire fogHypochaeris radicataCommon Cat's-earJacobaea vulgarisRagwortLeontodon saxatilisHairy HawkbitLeucanthemum ircutianumOxeye daisyLolium arundinaceumTall fescueLolium perennePerennial RyegrassLotus corniculatusCommon bird's-foot trefoilOenanthe pimpinelloidesCorky-fruited Water-dropwortPlantago lanceolataRibwort plantainPoa trivialisRough Meadow-grassPrunella vulgarisCommon selfhealRanunculus acrisMeadow buttercupRunuculus repensCreeping buttercupRubus sp.BramblesRumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Epilobium lanceolatum	Spear-leaved Willowherb
Hedera helixCommon ivyHeracleum sphondyliumHogweedHolcus lanatusYorkshire fogHypochaeris radicataCommon Cat's-earJacobaea vulgarisRagwortLeontodon saxatilisHairy HawkbitLeucanthemum ircutianumOxeye daisyLolium arundinaceumTall fescueLolium perennePerennial RyegrassLotus corniculatusCorky-fruited Water-dropwortPlantago lanceolataRibwort plantainPoa trivialisRough Meadow-grassPrunella vulgarisCommon selfhealRanunculus acrisMeadow buttercupRubus sp.BramblesRumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Geranium dissectum	Cut-leaved crane's-bill
Heracleum sphondyliumHogweedHolcus lanatusYorkshire fogHypochaeris radicataCommon Cat's-earJacobaea vulgarisRagwortLeontodon saxatilisHairy HawkbitLeucanthemum ircutianumOxeye daisyLolium arundinaceumTall fescueLolium perennePerennial RyegrassLotus corniculatusCommon bird's-foot trefoilOenanthe pimpinelloidesCorky-fruited Water-dropwortPlantago lanceolataRibwort plantainPoa trivialisRough Meadow-grassPrunella vulgarisCommon selfhealRanunculus acrisMeadow buttercupRubus sp.BramblesRumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Geum urbanum	Wood Avens
Holcus lanatusYorkshire fogHypochaeris radicataCommon Cat's-earJacobaea vulgarisRagwortLeontodon saxatilisHairy HawkbitLeucanthemum ircutianumOxeye daisyLolium arundinaceumTall fescueLolium perennePerennial RyegrassLotus corniculatusCommon bird's-foot trefoilOenanthe pimpinelloidesCorky-fruited Water-dropwortPlantago lanceolataRibwort plantainPoa trivialisRough Meadow-grassPrunella vulgarisCommon selfhealRanunculus acrisMeadow buttercupRubus sp.BramblesRumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Hedera helix	Common ivy
Hypochaeris radicataCommon Cat's-earJacobaea vulgarisRagwortLeontodon saxatilisHairy HawkbitLeucanthemum ircutianumOxeye daisyLolium arundinaceumTall fescueLolium perennePerennial RyegrassLotus corniculatusCommon bird's-foot trefoilOenanthe pimpinelloidesCorky-fruited Water-dropwortPlantago lanceolataRibwort plantainPoa trivialisRough Meadow-grassPrunella vulgarisCommon selfhealRanunculus acrisMeadow buttercupRubus sp.BramblesRumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Heracleum sphondylium	Hogweed
Jacobaea vulgarisRagwortLeontodon saxatilisHairy HawkbitLeucanthemum ircutianumOxeye daisyLolium arundinaceumTall fescueLolium perennePerennial RyegrassLotus corniculatusCommon bird's-foot trefoilOenanthe pimpinelloidesCorky-fruited Water-dropwortPlantago lanceolataRibwort plantainPoa trivialisRough Meadow-grassPrunella vulgarisCommon selfhealRanunculus acrisMeadow buttercupRubus sp.BramblesRumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Holcus lanatus	Yorkshire fog
Leontodon saxatilisHairy HawkbitLeucanthemum ircutianumOxeye daisyLolium arundinaceumTall fescueLolium perennePerennial RyegrassLotus corniculatusCommon bird's-foot trefoilOenanthe pimpinelloidesCorky-fruited Water-dropwortPlantago lanceolataRibwort plantainPoa trivialisRough Meadow-grassPrunella vulgarisCommon selfhealRanunculus acrisMeadow buttercupRubus sp.BramblesRumex acetosaCommon SorrelStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Hypochaeris radicata	Common Cat's-ear
Leucanthemum ircutianumOxeye daisyLolium arundinaceumTall fescueLolium perennePerennial RyegrassLotus corniculatusCommon bird's-foot trefoilOenanthe pimpinelloidesCorky-fruited Water-dropwortPlantago lanceolataRibwort plantainPoa trivialisRough Meadow-grassPrunella vulgarisCommon selfhealRanunculus acrisMeadow buttercupRubus sp.BramblesRumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Jacobaea vulgaris	Ragwort
Lolium arundinaceumTall fescueLolium perennePerennial RyegrassLotus corniculatusCommon bird's-foot trefoilOenanthe pimpinelloidesCorky-fruited Water-dropwortPlantago lanceolataRibwort plantainPoa trivialisRough Meadow-grassPrunella vulgarisCommon selfhealRanunculus acrisMeadow buttercupRubus sp.BramblesRumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Leontodon saxatilis	Hairy Hawkbit
Lolium arundinaceumTall fescueLolium perennePerennial RyegrassLotus corniculatusCommon bird's-foot trefoilOenanthe pimpinelloidesCorky-fruited Water-dropwortPlantago lanceolataRibwort plantainPoa trivialisRough Meadow-grassPrunella vulgarisCommon selfhealRanunculus acrisMeadow buttercupRubus sp.BramblesRumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Leucanthemum ircutianum	Oxeye daisy
Lotus corniculatusCommon bird's-foot trefoilOenanthe pimpinelloidesCorky-fruited Water-dropwortPlantago lanceolataRibwort plantainPoa trivialisRough Meadow-grassPrunella vulgarisCommon selfhealRanunculus acrisMeadow buttercupRanunculus repensCreeping buttercupRubus sp.BramblesRumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Lolium arundinaceum	Tall fescue
Oenanthe pimpinelloidesCorky-fruited Water-dropwortPlantago lanceolataRibwort plantainPoa trivialisRough Meadow-grassPrunella vulgarisCommon selfhealRanunculus acrisMeadow buttercupRanunculus repensCreeping buttercupRubus sp.BramblesRumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Lolium perenne	Perennial Ryegrass
Plantago lanceolataRibwort plantainPoa trivialisRough Meadow-grassPrunella vulgarisCommon selfhealRanunculus acrisMeadow buttercupRanunculus repensCreeping buttercupRubus sp.BramblesRumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Lotus corniculatus	Common bird's-foot trefoil
Poa trivialisRough Meadow-grassPrunella vulgarisCommon selfhealRanunculus acrisMeadow buttercupRanunculus repensCreeping buttercupRubus sp.BramblesRumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Oenanthe pimpinelloides	Corky-fruited Water-dropwort
Prunella vulgarisCommon selfhealRanunculus acrisMeadow buttercupRanunculus repensCreeping buttercupRubus sp.BramblesRumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Plantago lanceolata	Ribwort plantain
Ranunculus acrisMeadow buttercupRanunculus repensCreeping buttercupRubus sp.BramblesRumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Poa trivialis	Rough Meadow-grass
Ranunculus repensCreeping buttercupRubus sp.BramblesRumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Prunella vulgaris	Common selfheal
Rubus sp.BramblesRumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Ranunculus acris	Meadow buttercup
Rumex acetosaCommon SorrelSonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Ranunculus repens	Creeping buttercup
Sonchus asperPrickly sowthistleStellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Rubus sp.	Brambles
Stellaria gramineaLesser stitchwortTaraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Rumex acetosa	Common Sorrel
Taraxacum officinaleCommon dandelionTrifolium dubiumLesser Trefoil	Sonchus asper	Prickly sowthistle
Trifolium dubium Lesser Trefoil	Stellaria graminea	Lesser stitchwort
	Taraxacum officinale	Common dandelion
Trifolium pratense Red Clover	Trifolium dubium	Lesser Trefoil
· · · · · · · · · · · · · · · · · · ·	Trifolium pratense	Red Clover
Trifolium repens White clover	Trifolium repens	White clover
Veronica sp. Speedwells	Veronica sp.	Speedwells
Veronica chamaedrys Germander Speedwell	Veronica chamaedrys	Germander Speedwell