

County Wildlife Site Survey Form (Ref. No. 141)

Site Name: Hales Green Grid reference: TM373963 District: South Norfolk Parish: Hales/Loddon Area: 26.7ha Survey date: 30/03/19, 19/04/19, 15/06/19, 28/07/19

Registered Common Number: CL 39

Habitat description:

Hales Green is an extensive area of neutral grassland and is a registered common (CL39). It includes wet and dry grassland with ponds and a small amount of scrub. Also damp hollows and dry pits, gappy boundary hedgerow in places with occasional trees. The site is cattle-grazed from May-November, and is used by locals for walking.

Hales Green has been described as "a relatively rare survival of the kind of extensive area of common once typical of Norfolk's claylands" (Norfolk Heritage Explorer, <u>www.heritage.norfolk.gov.uk</u>).

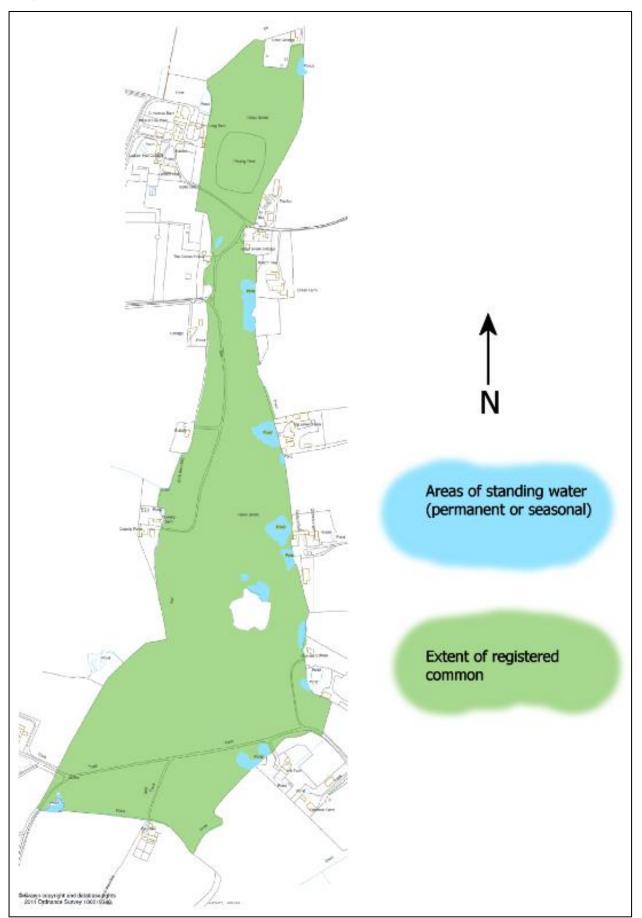
Across the site, the grassland is well grazed and relatively poor in herbs, with some areas such as pits and hollows being more species-rich. Grass dominates throughout, with a mixture of perennial rye grass (*Lolium perenne*), Yorkshire fog (*Holocus lanata*) and meadow foxtail (*Alopecurus pratensis*) co-dominant. Crested dog's tail (*Cynosaurus cristatus*) is occasional.

Species of interest across the common include quaking grass (*Briza media*), bee orchid (*Ophrys apifera*), common spotted orchid (*Dactylorhiza fuchsii*), pyramidal orchid (*Anacamptis pyramidalis*), cowslip (*Primula veris*), tubular water dropwort (*Oenanthe fistulosa*), common spike rush (*Eleocharis palustris*), Lady's bedstraw (*Galium verum*), celery-leaved buttercup (*Ranunculus scleratus*), marsh foxtail (*Alopecurus geniculatus*), water violet (*Hottonia palustris*), common water crowfoot (*Ranunculus aquatilis*) and pink/blue water speedwell (*Veronica x lackshewitzii*).

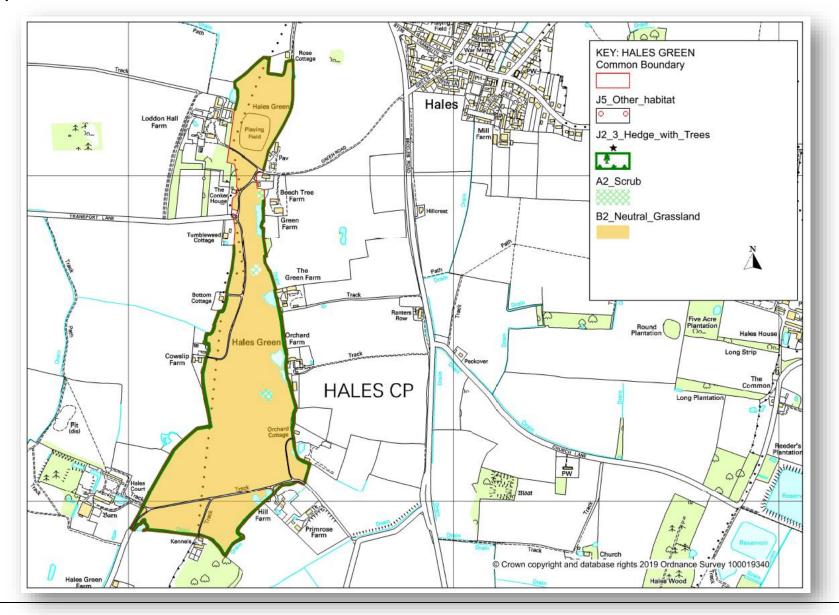




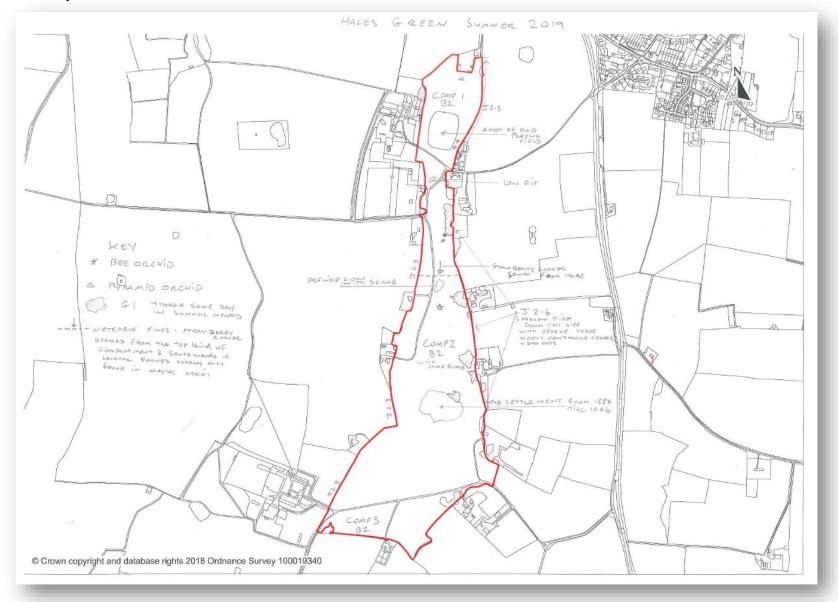
Map of Hales Green



Habitat Map



Anotated Site Map



Target Note Reference Map



Target Notes (see map above for reference points):

 Northern area of semi-improved, neutral grassland with dominating Yorkshire fog and perennial ryegrass, also occasional crested dog's tail, cocksfoot (*Dactylis glomerata*), red fescue (*Festuca rubra*), smaller cat's tail (*Phleum bertolonii*), quaking grass, meadow barley (*Hordeum brachyantherum*) and yellow oat grass (*Trisetum flavescens*). This area of Hales Green has been used in the past as a playing field.

Herbs include creeping cinquefoil (*Potentilla reptans*), musk thistle (*Carduus nutans*), common birdsfoot trefoil (*Lotus corniculatus*), bulbous buttercup (*Ranunculus bulbosus*), cut-leaved cranesbill (*Geranium dissectum*), creeping buttercup (*Ranunculus repens*), meadow buttercup (*Ranunculus acris*) and common mouse ear (*Cerastium fontanum*).

Bee orchid is rare, as is pyramidal orchid (one spike seen). The grassland becomes slightly more species-rich, as it leads south, with a dry hollow supporting quaking grass, meadow barley, red clover (*Trifolium pratense*), teasel (*Dipsacus fullonum*), sedge sp. (*Carex sp.*) and nettle (*Urtica dioica*).

Hawthorn (*Crateagus monogyna*) with bramble (*Rubus fruticosus agg.*) and dog rose (*Rosa canina*) make up the at times gappy hedgerow.

2. Neutral grassland with species as above. There are some damp and dry hollows in this area. There is a little scrub over/around the the dry pits and the pond. Gappy hedges make up the boundaries with occasional trees.

A pond on the eastern boundary with some scrub supports hard rush (*Junsus inflexus*), pink water speedwell (*Veronica catenata*), brooklime (*Veronica beccabunga*), frequent celery-leaved buttercup (*Ranunculus sceleratus*), water crowfoot, tufted forget-me-not (*Myosotis laxa*) and clustered dock (*Rumex conglomeratus*). A patch of nettles lies just to the south.

A seasonally wet hollow/old pond further south (on the east boundary) supports marsh foxtail, hard rush, creeping buttercup, floating sweet grass (*Glyceria fluitans*), common spike rush and slender trefoil (*Trifolium micranthum*).

Further south, again on the eastern boundray, a pond is species-poor with hard rush, brooklime and floating sweet grass, and is well-used by cattle and geese.

A more central seasonally wet hollow/pond has frequent silverweed (*Potentilla anserine*) and greater plantain (*Plantago major*), occasionally creeping thistle, water forget-me-not (*Myosotis scorpioides*), marsh foxtail, tubular water dropwort, pink water speedwell and celery-leaved buttercup. Water violet and common water crowfoot are rare.

The dry grassland continues south with dominating Yorkshire fog, red fescue, perennial ryegrass, meadow grass, meadow buttercup, sweet vernal grass and common mouse-ear.

Bee orchids and quaking grass are scattered in the west (c.24 spikes) of this large, central stretch of common, with Lady's bedstraw being rare.

3. The southern compartment has similar neutral grassland species as mentioned above. Damper hollows here on the east boundary have common spotted orchid (x52 spikes), silverweed, meadow buttercup, hard rush, glaucous sedge (*Carex flacca*), marsh foxtail, brooklime, marsh bedstraw (*Galium palustre*), tubular water dropwort, fleabane (*Pulicaria dysenterica*), meadow foxtail, meadow barley and crested dog's tail. Also floating sweet grass and silverweed.

The south of the common has the densest stretches of hedgerow.

Other notable species:

Include non-plant species eg turtle dove/barn owl/dingy skipper See fauna records below.

Adjacent habitats/potential buffer zones & linkage to other sites:

Is the site next to another CWS/SSSI? Is there similar habitat adjacent or is the site surrounded by agricultural land?

Hales Green is a large common surrounded by agricultural land and large properties.

Is the site in positive conservation management? Yes/no/partly/non-intervention.

The site is managed by South Norfolk District Council and grazed by cattle.

Brief management proposals:

Management suggestions were produced under the Wildlife in Common project 2020.

Has a site condition assessment form been completed for this site? Yes/No

If not how would you rate the overall site condition?

Compartment number	Favourable/ no issues. Score 1	Favourable/ some issues Score 2	Recovering Score 3	Unfavourable – no change Score 4	Unfavourable - declining Score 5 (poor management	Neglected Score 6 (no management	Part destroyed/ Score 7	Destroyed Score 8
Overall Condition								

Plant List

County Wildlife Site name & reference number: Hales Green (CWS 141)

Date of survey: 30/03/19, 19/04/19, 15/06/19, 28/07/19

Surveyor: Lusie Ambler, Nick Lingwood, Vicky Rusby, Ian Tart, Becky Whatley, Lucy Seely, Dave Weaver, Phil Grimes, Leslie Hurn,

Scientific name	Common name	Comments	Date seen
Acer campestre	Field Maple	Pollard	
Acer pseudoplatanus	Sycamore		
Achillea millefolium	Yarrow		
Aegopodium podagraria	Ground elder		
Aesculus hippocastanum	Horse chestnut		
Agrostis capillaris	Common Bent		
Agrostis stolonifera	Creeping Bent		
Alopecurus geniculatus	Marsh Foxtail		
Alopecurus pratensis	Meadow Foxtail		
		Species of Interest	
Anacamptis pyramidalis	Pyramidal orchid	1 spike	15/06/19
Anagallis arvensis	Scarlet Pimpernel		
Angelica sylvestris	Angelica		
Anthoxanthemum			
odoratum	Sweet vernal grass		
Anthriscus sylvestris	Cowparsley		
Arctium minus	Lesser Burdock		
Arrhenatherum elatius	False Oat-grass		
Arum maculatum	Lords-and-ladies		
Atriplex prostrata	Spear-leaved Orache		
Ballota nigra	Black Horehound		
Bellis perennis	Daisy		
Briza media	Quaking-grass		
Bryonia dioica	White Bryony		
Calystegia sepium	Large Bindweed		
Capsella bursa-pastoris	Shepherd's Purse		
Cardamine amara	Large Bittercress		
Cardamine hirsuta	Hairy Bittercress		
Cardamine pratensis	Lady's Smock		
Carduus nutans	Musk Thistle		
Carex flacca	Glaucous Sedge		
Carex hirta	Hairy Sedge		

Scientific name	Common name	Comments	Date seen
Carex otrubae	False fox sedge		Date Scen
Carex pendula	Pendulous Sedge		
Centaura nigra	Common Knapweed		
Cerastium fontanum	Common Mouse-ear		
	Rough Chervil		
Chaerophyllum temulum Cirsium arvense	Creeping Thistle		
	Spear thistle		
Cirsium vulgare Clematis vitalba	Traveller's Joy		
Conium maculatum	Hemlock		
Convolvulus arvensis	Field Bindweed Hazel		
Corylus avellana			
Crateagus monogyna	Hawthorn		
Crepis capillaris	Smooth Hawksbeard	Disated	
Crocus sp	Crocus sp	Planted	
Cynosurus cristatus	Crested Dog's-tail		
Dactylis glomerata	Cocksfoot		
		Species of Interest	4 = 10 0 14 0
Dactylorhiza fuchsii	Common Spotted Orchid	52 spikes	15/06/19
Deschampsia cespitosa	Tufted Hair-grass		
Dipsacus fullonum	Wild Teasel		
Eleocharis palustris	Common Spikerush		
Epilobium ciliatum	American Willowherb		
Epilobium hirsutum	Great Willowherb		
Equisetum arvense	Horsetail		
Festuca rubra	Red Fescue		
Ficaria verna	Lesser Celandine		
Fraxinus excelsior	Ash		
Galium aparine	Cleavers		
Galium palustre	Marsh Bedstraw		
Galium verum	Lady's Bedstraw		
Geranium dissectum	Cut-leaved Cranesbill		
Geranium pusillum	Small-flowered Cranesbill		
Geranium robertianum	Herb robert		
Geum urbanum	Wood Avens		
Glechoma hederacea	Ground Ivy		
Glyceria fluitans	Floating Sweet-grass		
Hedera helix	lvy		
Helminthotheca			
echioides	Bristly Oxtongue		
Heracleum sphondyllium	Hogweed		
Holcus lanatus	Yorkshire Fog		
Hordeum			
brachyantherum	Meadow Barley		
Hordeum murinum	Wall Barley		
Hottonia palustris	Water violet		
Humulus lupulus	Нор		
Hyacinthoides x	•		
massartiana	Bluebell hybrid		
Hypochaeris radicata	Catsear		
llex aquifolium	Holly		
Iris foetidissima	Stinking Iris		
	Walnut	1	1

Scientific name	Common name	Comments	Date seen
Junsus inflexus	Hard Rush		
Lamium album	White Dead-nettle		
Lamium purpureum	Red Dead-nettle		
Lapsana communis	Nipplewort		
Lepidium coronopus	Swine Cress		
Leucanthemum vulgare	Oxeye daisy		
Ligustrum vulgare	Wild Privet		
Lolium perenne	Perennial rye grass		
Lotus corniculatus	Common Birdsfoot Trefoil		
Luzula campestris	Field Woodrush		
Malus sylvestris	Crab apple		
Malva neglecta	Dwarf Mallow		
Malva sylvestris	Common Mallow		
Mecurialis perennis	Dog's Mercury		
Medicago lupulina	Black Medic		
Mentha aquatica	Water Mint		
Muscari	Grape Hyacinth	Garden escapee	
Myosotis laxa	Tufted Forget-me-not		
Myosotis scorpioides	Water Forget-me-not		
Narcissus hybrid	Daffodil hybrid	Planted	
Nasturtium officinale	Watercress		
Oenanthe fistulosa	Tubular Water-dropwort		
		Species of Interest	
Ophrys apifera	Bee Orchid	21 spikes	15/06/19
Ophrys apifera var		Species of Interest	10,00,10
chlorantha	Bee Orchid - white form	3 spikes	15/06/19
Oxalis articulata	Pink Sorrel	Garden escapee	
Papaver rhoeas	Common Poppy		
Papavar somniferum	Opium poppy		
Pentaglottis			
sempervirens	Green Alkanet		
Persicaria bistorta	Amphibious Bistort		
Phleum bertolonii	Smaller cat's tail		
Plantago major	Greater Plantain		
Poa annua	Annual Meadow-grass		
Poa trivialis	Rough meadow grass		
	g. acc	Planted / Garden	
Populus balsamifera	Balsam Poplar	escapee	
Potamogeton sp	Pondweed sp		
Potentilla anserina	Silverweed		
Potentilla reptans	Creeping Cinquefoil		
Potentilla sterilis	Barren Strawberry		
Primula veris	Cowslip		30/03/19
Primula vulgaris	Primrose		
Prunella vulgaris	Selfheal		
Prunus sp	Cherry sp	Possibly planted	
Prunus spinosa	Blackthorn		
Pulicaria dysenterica	Common Fleabane		1
Quercus robur	Pedunculate oak		1
Ranunculus acris	Meadow Buttercup		
	Common Water Crowfoot		+
Ranunculus aquatilis	L Common Vyater Crowtoot		

Scientific name	Common name	Comments	Date seen
Ranunculus flammula	Lesser Spearwort		
Ranunculus repens	Creeping Buttercup		
Ranunculus sceleratus	Celery-leaved Buttercup		
Reseda luteola	Weld		
Rorippa sylvestris	Creeping Yellow Cress		
Rosa canina	Dog Rose		
Rubus fruticosus agg	Bramble sp		
Rumex acetosa	Common Sorrel		
Rumex conglomeratus	Clustered Dock		
Rumex palustris	Marsh Dock		
•		Large layered	
Salix caprea	Goat Willow	specimen	
Sambucus nigra	Elder		
Senecio jacobaea	Common Ragwort		
Senecio vulgaris	Groundsel		
Silene latifolia	White Campion		
Sison amomum	Stone Parsley		
	Woody Nightshade /		
Solanum dulcamara	Bittersweet		
Solanum nigrum	Green Nightshade		
Sonchas asper	Prickly Sowthistle		
Sonchus oleraceus	Smooth Sowthistle		
Stellaria media	Common Chickweed		
Symphytum orientale	White Comfrey		
Taraxacum agg	Dandelion sp		
Taxus baccata	Yew		
Trifolium fragiferum	Strawberry Clover		
Trifolium micranthum	Slender Trefoil		
Trifolium pratense	Red Clover		
Trifolium repens	White clover		
Trisetum flavescens	Yellow oat grass		
Typha sp	Bulrush sp		
Ulmus procera	Elm		
Urtica dioica	Stinging Nettle		
Urtica urens	Small Nettle		
Veronica beccabunga	Brooklime		
Veronica catenata	Pink Water Speedwell		
Veronica chamaedrys	Germander Speedwell		
Veronica h. hederifolia	Ivy-leaved Speedwell		
Veronica persica	Common Field Speedwell		
Veronica serpyllifolia	Thyme-leaved Speedwell		
	Blue/Pink Water		
Veronica x lackshewitzii	Speedwell Hybrid	Possibly	
Vicia sativa	Common vetch		
Viola odorata	Sweet Violet		

FUNGI & LICHENS

Scientific Name	Common Name	Comment	Date Seen
Auricularia auricula-			
judae	Jelly Ear		19/04/19

Scientific Name	Common Name	Comment	Date Seen
Bolbitius titubans	Yellow Field Cap		15/06/19
Coprinopsis			
atramentaria	Common Inkcap		30/03/19
Lepista saeva	Field Blewit		30/03/19
	Fairy Ring		
Marasmius oreades	Champignon		15/06/19

Fauna Records

BIRDS

Scientific Name	Common Name	Comment	Date Seen
			30/03/19,
Alauda arvensis	Skylark	Singing	28/07/19
Alectoris rufa	Red-legged partridge		13/05/19
Anas platyrhynchos	Mallard		19/04/19
Anser anser			
domesticus	Goose (domestic)		19/04/19
Ardea cinerea	Grey Heron		30/03/19
Buteo buteo	Buzzard	Overhead	30/03/19
		0.	30/03/19,
Carduelis cannabina	Linnet	Singing	28/07/19 30/03/19,
Carduelis carduelis	Goldfinch	Singing	15/06/19
Columba oenas	Stock Dove	Singing	15/06/19
Columba palumbus	Woodpigeon		30/03/19
Corvus corone	Crow		13/05/19
Corvus frugilegus	Rook		19/04/19
Corvus monedula	Jackdaw		30/03/19
Cyanistes caeruleu	Blue Tit	Singing	19/04/19
Oyanisies caeraica			15/06/19,
Delichon urbicum	House Martin	Nests on houses	28/07/19
Emberiza citrinella	Yellowhammer	Species of Interest	
Emberiza schoeniclus	Reed Bunting	Singing	15/06/19
Erithacus rubecula	Robin	Singing	30/03/19
Falco tinnunculus	Kestrel	Hovering	28/07/19
Fringilla coelebs	Chaffinch	Singing	30/03/19
0			30/03/19,
Gallinula chloropus	Moorhen		15/06/19
			30/03/19,
l limmede muetiee	Quallant	Ou vo rib o o ol	15/06/19,
Hirundo rustica	Swallow	Overhead	28/07/19
Milvus milvus	Red Kite		13/05/19
Motacilla alba	Pied Wagtail		13/05/19
Parus major	Great Tit	Singing	30/03/19
Passer domesticus	House Sparrow		30/03/19, 15/06/19
Phasianus colchicus	Pheasant		19/04/19
	1 11503011		13/04/13

Scientific Name	Common Name	Comment	Date Seen
Phylloscopus collybita	Chiffchaff	Singing	30/03/19, 15/06/19
Pica pica	Magpie		13/05/19
Picus viridis	Green Woodpecker		28/07/19
Prunella modularis	Dunnock	Singing	19/04/19
Regulus regulus	Goldcrest		13/05/19
Streptopelia decaocto	Collared Dove		30/03/19
Sylvia atricapilla	Blackcap	Singing	30/03/19, 15/06/19
Sylvia communis	Whitethroat		13/05/19
Sylvia curruca	Lesser Whitethroat	Singing	30/03/19, 15/06/19
Tadorna tadorna	Shelduck	Pair, male displaying	19/04/19
Troglodytes troglodytes	Wren	Singing	30/03/19, 15/06/19 30/03/19,
Turdus merula	Blackbird	Singing	15/06/19
Turdus philomelos	Song Thrush	Singing	30/03/19
Turdus viscivorus	Mistle Thrush	Singing	30/03/19

MAMMALS

Scientific Name	Common Name	Comment	Date Seen
Capreolus capreolus	Roe Deer		24/05/19
Microtus agrestis	Field Vole	Probably	15/06/19
Muntiacus sp	Deer sp	Deer slots	30/03/19
Oryctolagus cuniculus	Rabbit	Seen	30/03/19
Talpa europaea	Mole	Mole hills	
Vulpes vulpes	Red Fox	Probable faeces	28/07/19

BUTTERFLIES

Scientific Name	Common Name	Comment	Date Seen
			30/03/19,
Aglais io	Peacock		15/06/19
Aglais urticae	Small Tortoiseshell		30/03/19
Anthocharis			
cardamines	Orange Tip	Male & female	19/04/19
Coenonympha			
pamphilus	Small Heath		16/06/19
Gonepteryx rhamni	Brimstone		30/03/19
			16/05/19
			15/06/19,
Maniola jurtina	Meadow Brown		28/07/19
			16/05/19,
			15/06/19
Pieris brassicae	Large White		

Scientific Name	Common Name	Comment	Date Seen
Pieris napi	Green Veined White		18/07/19
·			16/05/19,
			30/03/19,
Pieris rapae	Small White		15/06/19
Polygonia c-album	Comma		30/03/19
Polyommatus icarus	Common Blue		15/06/19
Pyronia tithonus	Gatekeeper		28/07/19
Vanessa atalanta	Red Admiral		18/07/19
			16,05/19,
			15/06/19,
Vanessa cardui	Painted Lady		28/07/19

MOTHS

Scientific Name	Common Name	Comment	Date Seen
Callistege mi	Mother Shipton		15/06/19
Hepialus sp	Swift sp		15/06/19
Rivula sericealis	Straw Dot		15/06/19

DRAGONFLIES

Scientific Name	Common Name	Comment	Date Seen
Aeshna grandis	Brown Hawker		18/07/19
Calopteryx splendens	Banded Demoiselle		18/07/19
Ischnura elegans	Blue-tailed Damselfly		15/06/19
Libellula quadrimaculata	Four-spotted Chaser		15/06/19
Sympetrum striolatum	Common Darter		16/05/19

BEES

Scientific Name	Common Name	Comment	Date Seen
Apis mellifera	Honey Bee		30/03/19
Bombus hypnorum	Tree Bumble Bee		15/06/19
Bombus lapidarius	Red-tailed Bumblebee		18/07/19
Bombus Lucorum	White-tailed Bumblebee		18/07/19
Bombus pascuorum	Common Carder Bumble Bee		19/04/19, 15/06/19
	Buff-tailed Bumble		16/05/19 30/03/19,
Bombus terrestris	Bee	Queen & workers	15/06/19
Thymelicus sylvestris	Small Skipper		18/07/19

ADDITIONAL INSECTS, MITES

Scientific Name	Common Name	Comment	Date Seen
Bombylius major	Bee fly		30/03/19
Chorthippus brunneus	Field Grassopper		18/07/19
Coccinella septempunctata	Ladybird 7-spot		30/03/19
Corixidae sp	Water Boatman sp		15/06/19
Daphnia sp	Water Flea sp		15/06/19
Episyrphus baleatus	Marmalade Hoverfly		16/05/19
Harmonia axyridis	Harlequin Ladybird		15/06/19
Lasius niger	Black Garden Ant		30/03/19
Oedemera nobilis	Thick-legged beetle		16/05/19 15/06/19
Panorpa communis	Scorpion Fly		15/06/19
Scathophaga stercoraria	Yellow Dung Fly Lesser Banded		30/03/19
Syrphus ribesii	Hoverfly		16/05/19
Tetranychus urticae	Red Spider Mite		30/03/19
Tipula sp.	Cranefly		16/05/19
Trombidium holosericeum	Velvet Mite		30/03/19
Vespa crabro	Hornet		30/03/19

SPIDERS

Scientific Name	Common Name	Comment	Date Seen
Lycosidae sp.	Wolf spider		30/03/19
Pisauridae sp.	Nursery Web		30/03/19

AMPHIBIANS

Scientific Name	Common Name	Comment	Date Seen
			Spawn 30/03/19,
Rana temporaria	Common Frog		adult 19/04/19

Site Images (Phil Grimes)



Refer to the map above for photo reference points(Images by Phil Grimes):



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