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Scientific name	Common name	Sub-site	Map ref.	Det.	Date	Nos, sex, abundance	Comment
<b>BRYOPHYTES - LIVERWORTS</b>							
Conocephalum conicum	Lemon-scented liverwort	Stream	SP500 035	JAW	29.08.2013	Occasional	On banks and rocks in stream
Frullania dilatata	Dilated scalewort	South side woodland	SP5003 0354	JAW	25.01.2014	Rare	On limestone rock pile, top south edge of woodland
Frullania dilatata	Dilated scalewort	Fen	SP502 037	JAW	10.01.2015	Occasional	On willow bark
Metzgeria fruticulosa	Bluish veilwort	Fen	SP502 037	JAW	10.01.2015	Occasional	On willow bark
Metzgeria furcata	Forked veilwort	Fen	SP502 037	JAW	10.01.2015	Occasional	On willow bark
Pellia endiviifolia	Endive peltia	Stream	SP5042 0378	JAW	25.01.2014	Patch 1.0m	In tufa-forming spring emerging from N bank
Pellia endiviifolia	Endive peltia	Fen	SP502 037	JAW	10.01.2015	Occasional	
Porella platyphylla	Wall scalewort	South side woodland	SP5003 0354	JAW	25.01.2014	Patch 0.4m	On limestone rock pile, top south edge of woodland
<b>BRYOPHYTES - MOSSES</b>							
Alonia aloides	Common aloe moss	Quarry	SP49824 03489	PC <sup>1</sup>	29.01.2011	Small patches, 0.5m total	On soil in quarry area, fruiting
Brachythecium rutabulum	Rough-stalked feather-moss	Stream	SP50367 03737	JAW	10.03.2012	Locally frequent	
Calliergonella cuspidata	Pointed spear moss	Valley bottom	SP498 035	JAW	25.01.2011	Rare	On soil, valley bottom
Campyliadelphus chrysophyllus	Golden feather-moss	SE-facing limestone grassland	SP498 035	JAW	10.03.2012	Very rare	
Cratoneuron filicinum	Fern-leaved hook-moss	Stream	SP50367 03737	JAW	10.03.2012	Locally frequent	On rocks in stream and calcareous spring in bank
Cratoneuron filicinum	Fern-leaved hook-moss	Fen	SP502 037	JAW	10.01.2015	Occasional	

<sup>1</sup> P Cutt

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Fissidens taxifolius	Common pocket-moss	Valley bottom & south side woodland	SP5006 0359	JAW	25.01.2014	Rare	
Homalia trichomanoides	Blunt feather-moss	Valley bottom in woodland	SP5006 0359	JAW	25.01.2014	Patch 0.5m	On rotting logs and stump
Homalothecium lutescens	Yellow feather moss	SE-facing limestone grassland	SP4983 0349	JAW	13.06.2012	Rare	On bare rocks and soil
Hypnum andoi	Mammillate plait-moss	Woodlands	SP5006 0359	JAW	25.01.2014	Occasional	On rotting fallen tree trunk
Hypnum resupinatum	Supine plait-moss	Valley bottom and south side woodland	SP5006 0359	JAW	25.01.2014	Occasional	On tree bark
Isothecium myosuroides	Slender mouse-tail	Valley bottom and south side woodland	SP500 036	JAW	25.01.2014	Locally frequent	On rotting fallen trunks and branches, damp areas
Kindbergia praelonga	Common feather moss	Stream	SP49920352	JAW	10.03.2012	Locally abundant	On soil and rotting fallen wood
Mnium hornum	Swan's neck thyme-moss	Woodland	SP5004 0360	JAW	10.01.2015	Occasional	
Neckera complanata	Flat neckera	South side woodland	SP5017 0365	JAW	25.01.2014	Patch 0.5m	On rotting stump, N-facing edge of woodland in shade
Orthotrichum affine	Wood bristle-moss	Fen	SP502 037	JAW	10.01.2015	Occasional	On willow bark
Orthotrichum pulchellum	Elegant bristle-moss	Fen	SP502 037	JAW	10.01.2015	Occasional	On willow bark
Plagiomnium undulatum	Hart's-tongue thyme-moss	Stream	SP5034 0373	JAW	25.01.2014	Occasional	Margins of stream, shaded peat
Plagiomnium undulatum	Hart's-tongue thyme-moss	Wet woodland in valley bottom	SP5013 0368	JAW	10.01.2015	Occasional	
Plagiothecium denticulatum	Dentated silk-moss	Woodlands	SP50050357	JAW	29.01.2011	Patch 0.6m along trunk	In woodland on fallen oak trunk
Plagiothecium nemorale	Woodsy silk-moss	Woodland	SP5004 0360	JAW	10.01.2015	Occasional	Rotting log in woodland
Platyhypnidium riparioides	Long-beaked water Feather-moss	Stream	SP5042 0378	JAW	25.01.2014	Frequent	On rocks in stream

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Platyhypnidium riparioides	Long-beaked water feather-moss	Stream	SP5009 0364	JAW	10.01.2015	Occasional	In stream on stones
Polytrichum sp	A hair-cap moss	Woodlands	SP50050357	JAW	25.01.2011	5cm patch	In moss on fallen log
Pseudoscleropodium purum	Neat feather-moss	SE-facing limestone grassland	SP4985 0350	JAW	25.01.2014	Occasional	
Thamnobryum alopecurum	Fox-tail feather moss	woodlands	SP5006 0359	JAW	25.01.2014	Locally frequent	On floor in copse woodland
Zygodon conoideus	Lesser yoke-moss	fen	SP502 037	JAW	10.01.2015	Occasional	Fruiting on willow bark
<b>FLOWERING PLANTS</b>							
Abaidopsis thaliana	Thale cress	SE-facing limestone grassland	SP498 035	JAW	24.05.2014	Rare	On one anthill
Acer campestre	Field maple	East end woodland	SP504 037	JAW	25.01.2014	Occasional	Also in woodland further up at SP501 036
Achillea millefolium	Yarrow	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Frequent	
Agrimonia eupatoria	Agrimony	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Locally frequent	
Agrostis stolonifera	Creeping bent	East end lower field rank grassland	SP504 038	JAW	16.07.2013	Frequent	
Ajuga reptans	Bugle	Fen	SP50271 03715	JAW	12.05.2013	Occasional	Mostly in short cut vegetation At edges to boardwalk
Alopecurus pratensis	Meadow foxtail	SE-facing limestone grassland	SP498 035	JAW	24.05.2014	Occasional	
Anemone nemorosa	Wood anemone	Woodland and wetland in valley bottom	centre SP501036	JAW	12.05.2013	Locally frequent	All along valley bottom, SE side, SP49970353 to SP50190368
Angelica sylvestris	Wild angelica	Fen	SP50271 03715	JAW	12.05.2013	Occasional	Mostly in short cut veg. At edges to boardwalk
Anthriscus sylvestris	Cow parsley	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Locally frequent	Hedge line at top

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<i>Arctium lappa</i>	A burdock	East end valley, rank grassland	SP50420381	JAW	16.07.2013	Occasional	
<i>Arctium minus</i>	A burdock	East end valley, rank grassland	SP50420381	JAW	16.07.2013	Occasional	
<i>Arrhenatherum elatius</i>	False oat	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Occasional	
<i>Arum maculatum</i>	Cuckoo pint	Woodland	SP500 036	JAW	12.05.2013	Occasional	
<b><i>Astragalus glycyphyllos</i></b>	<b>Wild liquorice</b>	<b>SE-facing limestone grassland</b>	<b>SP508036</b>	<b>JAW</b>	<b>16.07.2013</b>	<b>Occasional</b>	
<i>Blackstonia perfoliata</i>	Yellow wort	SE-facing steep slope, ungrazed	SP498 035	JAW	24.09.2009	2	
<i>Brachypodium sylvaticum</i>	Wood false-brome	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Locally frequent	
<i>Briza media</i>	Quaking grass	NW-facing steep limestone grassland	SP499 035	JAW	23.10.2011	Occasional	
<i>Bromopsis erecta</i>	Upright brome	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Frequent	
<i>Calystegia silvatica</i>	Great bindweed	Fen	SP5028 0371	JAW	10.03.2012	Frequent	
<i>Capsella bursa pastoris</i>	Shepherds purse	SE-facing limestone grassland	SP498 035	JAW	18.04.2014	1	
<i>Carex acutiformis</i>	Lesser pond sedge	Fen	SP5026 0368	JAW	23.10.2011	Occasional	
<i>Carex acutiformis</i>	Lesser pond sedge	Wet woodland in valley bottom	SP5014 0368	JAW	10.03.2012	Locally frequent	
<i>Carex flacca</i>	Glaucous sedge	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Frequent	
<i>Carex riparia</i>	Greater pond sedge	Fen	SP5028 0370	JAW	23.10.2011	Occasional	
<i>Carex sylvatica</i>	Wood sedge	Woodland in valley bottom	centre SP501036	JAW	12.05.2013	Locally frequent	Lower slopes SE side SP49970353 to SP50190368
<i>Centaurea nigra</i>	Common knapweed	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Frequent	

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<i>Centaurea scabiosa</i>	Greater knapweed	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Frequent	
<i>Centaureum erythraea</i>	Centaury	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Rare	
<i>Chamerion angustifolium</i>	Rosebay willowherb	SE-facing limestone grassland	SP498 035	JAW	18.04.2014	One patch	East end cleared area
<i>Circaea lutetiana</i>	Enchanter's nightshade	Wet woodland in valley bottom	SP5011 0365	JAW	16.07.2013	Locally frequent	
<i>Cirsium arvense</i>	Creeping thistle	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Occasional	
<i>Cirsium eriophorum</i>	Woolly thistle	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Occasional	
<i>Cirsium palustre</i>	Marsh thistle	Fen	SP50271 03715	JAW	16.07.2013	Occasional	Mown edge of boardwalk
<i>Cirsium vulgare</i>	Spear thistle	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Occasional	
<i>Clematis vitalba</i>	Wild clematis	Scrub woodland, SE-facing slope	SP50082 03671	JAW	16.07.2013	Occasional	
<b><i>Clinopodium acinos</i></b>	<b>Basil thyme</b>	<b>SE-facing limestone grassland</b>	<b>SP4982 0349</b>	<b>JAW</b>	<b>13.09.2012</b>	<b>2</b>	<b>Edge of quarry, N end</b>
<i>Clinopodium vulgare</i>	Wild basil	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Frequent	
<i>Convolvulus arvensis</i>	Bindweed	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Rare	
<i>Cornus sanguinea</i>	Dogwood	SE-facing limestone grassland	SP4982 0348	JAW	16.07.2013	Locally frequent	Invading small quarry
<i>Corylus avellana</i>	Hazel	Valley bottom woodland	SP500 035	JAW	24.01.2014	Numerous	Coppice stools
<i>Corylus avellana</i>	Hazel	East end valley	SP5042 0377	JAW	10.03.2012	Few	Large coppice stools
<i>Crataegus monogyna</i>	Common hawthorn	Hedge	SP4977 0348	JAW	27.08.2010	Occasional	
<i>Crataegus monogyna</i>	Common hawthorn	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Locally frequent	Hedge

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<i>Crepis biennis</i>	Rough hawksbeard	East end valley, rank grassland	SP50420381	JAW	16.07.2013	Occasional	
<i>Crepis vesicaria</i>	Beaked hawksbeard	Lower rank grassland	SP504 038	JAW	24.05.2014	Occasional	
<i>Dactylis glomerata</i>	Cocksfoot	East end valley, rank grassland	SP50420381	JAW	12.05.2013	Locally frequent	
<i>Dactylis glomerata</i>	Cocksfoot	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Frequent	
<i>Dactylorhiza fuchsii</i>	Common spotted orchid	NW-facing steep limestone grassland	SP499 035	JAW	12.05.2013	Occasional	
<i>Dactylorhiza fuchsii</i>	Common spotted orchid	East end lower field rank grassland	SP504 038	JAW	16.07.2013	Occasional	
<i>Daucus carota</i>	Wild carrot	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Frequent	
<i>Epilobium hirsutum</i>	Great willowherb	Base of NW-facing limestone slope	SP49901 03498	JAW	16.07.2013	Occasional	
<i>Epilobium hirsutum</i>	Great willowherb	Fen	SP508036	JAW	16.07.2013	Occasional	
<i>Epilobium parviflorum</i>	Hoary willowherb	East end valley, rank grassland	SP50420381	JAW	12.05.2013	Occasional	
<i>Erigeron acer</i>	Blue fleabane	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Rare	
<i>Eupatorium cannabinum</i>	Hemp agrimony	Fen middle	SP5028 0372	JAW	16.07.2013	Rare	
<i>Eupatorium cannabinum</i>	Hemp agrimony	East end valley, rank grassland	SP50420381	JAW	12.05.2013	Occasional	
<i>Ficaria verna</i>	Lesser celandine	Woodland and wetland in valley bottom	centre SP501036	JAW	12.05.2013	Locally abundant	All along valley bottom SP49970353 to SP50190368
<i>Ficaria verna</i>	Lesser celandine	SE-facing limestone grassland	SP498 035	JAW	18.04.2014	Occasional	Along hedge line
<i>Filipendula ulmaria</i>	Meadowsweet	Base of NW-facing limestone slope	SP49901 03498	JAW	16.07.2013	Locally frequent	

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Filipendula ulmaria	Meadowsweet	Fen	SP502 073	JAW	10.03.2012	Occasional	
Fraxinus excelsior	Ash	Woodland	SP501 036	JAW	25.01.2014	Numerous trees and seedlings	Very old coppice stools, outgrown
Galium aparine	Goosegrass	Valley bottom nr stream	SP4990 0351	JAW	10.03.2012	Frequent	
Galium aparine	Goosegrass	East end valley near stream	SP5044 0380	JAW	25.01.2014	Frequent	
Galium mollugo	Hedge bedstraw	N side limestone grassland top	SP4981 0348	JAW	25.01.2014	Occasional	
Galium verum	Lady's bedstraw	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Locally frequent	
Geranium robertianum	Herb-Robert	Woodland	SP5018 0367	JAW	23.10.2011	Occasional	
Geum urbanum	Wood avens	Woodland	SP5016 0368	JAW	16.07.2013	Locally frequent	All along bottom of valley in woods
Helianthemum nummularium	Common rockrose	SE-facing limestone grassland	SP49813 03490	JAW	16.07.2013	Rare	SW end at edge of quarry
Helianthemum nummularium	Common rockrose	Limestone grassland top, N side	SP4981 0348	JAW	25.01.2014	On 6 anthills in 5m area	On 6 anthills in level grassland area
Heracleum sphondylium	Hogweed	Bottom of valley base of NW-facing slope	SP49924 03513	JAW	16.07.2013	Locally abundant	Bottom of valley base of NW-facing slope
Heracleum sphondylium	Hogweed	Valley bottom	SP508036	JAW	16.07.2013	Locally frequent	
Humulus lupulus	Hop	Above fen	SP502 037	JAW	27.08.2010	Rare	
Hyacinthoides non scripta	Bluebell	SE-facing limestone grassland	SP498 035	JAW	18.04.2014	Occasional	Hedge line at top of SE-facing lime-stone bank
Hyacinthoides non scripta	Bluebell	Woodland in valley bottom	Centre SP501036	JAW	12.05.2013	Locally frequent	Lower slopes SE side SP49970353 to SP50190368
Hypericum hirsutum	Hairy St John's wort	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Locally frequent	

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Hypericum perforatum	Perforate St John's wort	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Locally frequent	
Hypericum tetrapterum	Square-stalked St John's wort	Fen	SP5021 0369	JAW	16.07.2013	Rare	
Hypochoeris radicata	Cat's Ear	Lower rank grassland	SP504 038	JAW	24.05.2014	Occasional	
Ilex aquifolium	Holly	East end valley	SP5039 0375	JAW	25.01.2013	Occasional	
Iris pseudacorus	Flag iris	Valley bottom wet woodland	SP5016 0368	JAW	27.08.2010	Few patches	Peaty area under trees, edge of stream
Juncus effusus	Soft rush	East end lower field rank grassland	SP50420381	JAW	16.07.2013	Rare	Wet rank grassland
Juncus inflexus	Hard rush	East end lower field rank grassland	SP50420381	JAW	12.05.2013	Rare	Wet rank grassland
Knautia arvensis	Field scabious	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Frequent	
Lamium album	White dead-nettle	SE-facing limestone grassland	SP498 035	JAW	18.04.2014	Occasional	Top of slope, edge of path
Lamium purpureum	Red dead-nettle	SE-facing limestone grassland	SP498 035	JAW	18.04.2014	Rare	Top of slope, edge of path
Lathyrus nissolia	Grass vetchling	lower rank grassland	SP504 038	JAW	24.05.2014	Occasional	
Lathyrus pratensis	Meadow vetchling	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Occasional	
Leucanthemum vulgare	Oxeye daisy	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Occasional	
Linum catharticum	Fairy flax	SE-facing limestone grassland	SP508036	JAW	23.10.2011	Occasional	
Lotus corniculatus	Bird's foot trefoil	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Frequent	
Luzula campestris	Field woodrush	SE-facing limestone grassland	SP498 035	JAW	18.04.2014	Rare	Top of slope on level ground by anthills



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<i>Malus domestica</i>	Cultivated apple	SE slope hedge line	SP50038 03661	JAW	16.07.2013	2 veteran trees	Old coppice stools in hedge line
<i>Malus sylvestris</i>	Crab apple	SE-facing scrub woodland	SP5006 0366	JAW	16.07.2013	Occasional	
<i>Malva moschata</i>	Musk mallow	East end lower field rank grassland	SP504 038	JAW	16.07.2013	Occasional	
<i>Medicago lupulina</i>	Black medick	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Occasional	
<i>Melilotus altissimus</i>	Tall melilot	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Rare	
<i>Melilotus altissimus</i>	Tall melilot	East end lower field rank grassland	SP504 038	JAW	16.07.2013	Occasional	
<i>Mentha aquatica</i>	Water mint	East end valley, rank grassland	SP50420381	JAW	12.05.2013	Occasional	
<i>Mercurialis perennis</i>	Dog's mercury	Woodland	SP5039 0372	JAW	10.03.2012	Locally frequent	
<i>Mercurialis perennis</i>	Dog's mercury	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Frequent	Hedge line, scrub area
<i>Odontites verna</i>	Red bartsia	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Occasional	
<b><i>Onobrychis viciifolia</i></b>	<b>Sainfoin</b>	<b>SE-facing limestone grassland</b>	<b>SP49824 03489</b>	<b>JAW</b>	<b>24.05.2014</b>	<b>Approx 20 flowers</b>	<b>All in area next to quarry, increased flowering</b>
<i>Ononis repens</i>	Common restharrow	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Occasional	
<i>Phalaris arundinacea</i>	Reed canary grass	Streamside, east end valley	SP50698 04014	JAW	25.01.2014	4m patch	Edge of stream
<i>Phragmites australis</i>	Common reed	Fen	SP503 037	JAW	10.03.2012	Dominant	Extensive monoculture population tall plants
<i>Picris echioides</i>	Prickly oxtongue	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Occasional	
<i>Picris hieracioides</i>	Hawkweed oxtongue	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Frequent	

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<i>Pilosella officinarum</i>	Mouse ear hawkweed	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Frequent	
<i>Pimpinella saxifraga</i>	Burnet saxifrage	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Frequent	
<i>Plantago lanceolata</i>	Ribwort plantain	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Frequent	
<i>Plantago media</i>	Hoary plantain	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Frequent	
<i>Potentilla reptans</i>	Cinquefoil	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Occasional	
<i>Primula veris</i>	Cowslip	SE-facing and NW-facing grassland	SP49920350	JAW	12.05.2013	Locally frequent	Small amounts SE grassland, frequent NW-facing grassland
<i>Prunella vulgaris</i>	Self heal	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Occasional	
<i>Prunus spinosa</i>	Blackthorn	Valley bottom south side	SP5023 0368	JAW	10.03.2012	Locally frequent	
<i>Prunus spinosa</i>	Blackthorn	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Locally frequent	Hedge
<i>Pulicaria dysenterica</i>	Fleabane	East end valley, rank grassland	SP50420381	JAW	12.05.2013	Locally abundant	Wet rank grassland
<i>Quercus robur</i>	Pedunculate oak	Woodland south side	SP500 036	JAW	27.08.2010	Sparse mature trees	Sparse living trees, standing dead and fallen common
<i>Ranunculus auricomus</i>	Goldilocks buttercup	Woodland in valley bottom	Centre SP501036	JAW	12.05.2013	Rare, 2 plants	Lower slopes SE side SP49970353 to SP50190368
<i>Ranunculus auricomus</i>	Goldilocks buttercup	SE-facing limestone grassland	SP498 035	JAW	18.04.2014	5m patch	Along hedge line under old hazel and ash coppice stools
<i>Ranunculus bulbosus</i>	Bulbous buttercup	SE-facing limestone grassland	SP498 035	JAW	18.04.2014	Occasional	
<i>Ribes rubrum</i>	Redcurrant	Woodland in valley bottom	SP500 036	JAW	12.05.2013	Locally frequent	Clonal patches along valley bottom

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Rubus caesius	Dewberry	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Locally frequent	Hedge
Rubus fruticosus	Bramble	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Locally frequent	Hedge
Rubus idaeus	Raspberry	Woodland in valley bottom	SP5214 0366	JAW	25.01.2014	Patch 5m wide	In woodland shade
Salix caprea	Goat willow	East end valley	SP5034 0379	JAW	23.10.2011	Occasional	
Salix cinerea	Grey willow	East end valley, stream corridor	SP5031 0372	JAW	16.07.2013	Occasional	
Salix fragilis	Crack willow	East end valley, stream corridor	SP504 037	JAW	10.03.2012	Occasional	
Sambucus nigra	Elder	By path	SP5026 0375	JAW	23.10.2011	Locally frequent	
Sanguisorba minor ssp minor	Salad burnet	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Frequent	
Sanicula europaea	Wood sanicle	Wet woodland in valley bottom	SP5008 0363	JAW	29.08.2013	Occasional	
Scrophularia auriculata	Water figwort	Fen	SP5022 9615	JAW	16.07.2013	Rare	
Senecio erucifolius	Hoary ragwort	East end valley, rank grassland	SP50420381	JAW	12.05.2013	Occasional	
Senecio erucifolius	Hoary ragwort	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Occasional	
Senecio jacobaea	Common ragwort	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Locally frequent	
Solanum dulcamara	Bittersweet	Fen	SP502 037	JAW	10.03.2012	Occasional	
Sonchus asper	Prickly sow-thistle	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Rare	
Stachys sylvatica	Hedge woundwort	Woodland	SP500 036	JAW	23.10.2011	Occasional	
Stellaria holostea	Greater stitchwort	SE-facing limestone grassland	SP498 035	JAW	18.04.2014	Rare	Along hedge line at top and scattered patches on slope
Symphytum officinale	Common comfrey	Fen	SP5022 9615	JAW	16.07.2013	Rare	

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Taraxacum sp	Dandelion	Fen	SP50271 03715	JAW	12.05.2013	Rare	Short vegetation either side of boardwalk
<b>Thymus pulegioides</b>	<b>Large thyme</b>	<b>SE-facing limestone grassland</b>	<b>SP4981 0349</b>	<b>JAW</b>	<b>13.09.2012</b>	<b>8 separate patches</b>	<b>All around top edge of quarry</b>
<b>Thymus pulegioides</b>	<b>Large thyme</b>	<b>East end SE-facing limestone grassland</b>	<b>SP500 036</b>	<b>JAW</b>	<b>25.01.2014</b>	<b>Patch 0.3m</b>	<b>On one anthill</b>
Torilis japonica	Upright hedge parsley	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Occasional	Path at top of hill
Trifolium pratense	Red clover	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Occasional	
Trifolium repens	White clover	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Locally frequent	Mown path at top of hill
Trisetum flavescens	Yellow oat grass	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Frequent	
Urtica dioica	Nettle	Streamside, east end valley	SP5046 0382	JAW	10.03.2012	Locally frequent	
Urtica dioica	Nettle	Bottom of valley west end	SP4990 0351	JAW	10.03.2012	Locally frequent	
Valeriana officinalis	Common valerian	Fen	SP5026 0371	JAW	29.08.2013	Rare	
Veronica arvensis	Wall speedwell	SE-facing limestone grassland	SP498 035	JAW	18.04.2014	1	
Veronica beccabunga	Brooklime	Fen edge	SP5021 0368	JAW	10.03.2012	Rare	
Veronica chamaedrys	Germander speedwell	SE-facing limestone grassland	SP5002 0362	JAW	16.07.2013	Occasional	
Viburnum lantana	Wayfaring tree	Hedge	SP4981 0350	JAW	23.10.2011	Rare	
Viburnum opulus	Guelder rose	Fen	SP5032 0379	JAW	25.01.2014	1	Bush at entrance to fen path
Vicia cracca	Tufted vetch	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Occasional	
Vicia sativa	Common vetch	SE-facing limestone grassland	SP508036	JAW	16.07.2013	Occasional	

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<i>Viola hirta</i>	Hairy violet	SE-facing limestone grassland	SP498 035	JAW	18.04.2014	Locally frequent	
<i>Viola reichenbachiana</i>	Early dog violet	Woodland in valley bottom	centre SP501036	JAW	12.05.2013	Occasional	Lower slopes SE side SP49970353 to SP50190368
<b>FERNS AND HORSETAILS (pteridohytes)</b>							
<i>Athyrium filix-femina</i>	Lady fern	Wet woodland in valley bottom	SP50138 03675	JAW	29.08.2013	Rare	On peat under willows
<i>Dryopteris dilatata</i>	Broad buckler fern	Wet woodland in valley bottom	SP5006 0361	JAW	29.08.2013	Occasional	
<i>Dryopteris filix mas</i>	Male fern	Stream banks and wet woodland	SP5039 0376	JAW	25.01.2014	Occasional	
<i>Equisetum arvense</i>	Field horsetail	East end valley, rank grassland	SP50420381	JAW	12.05.2013	Locally frequent	
<i>Equisetum palustre</i>	Marsh horsetail	East end valley, rank grassland	SP50420381	JAW	12.05.2013	Locally frequent	
<i>Equisetum telmateia</i>	Giant horsetail	Margins to stream corridor	SP5044 0379	JAW	10.03.2012	Locally frequent	Flush spring areas east end of valley
<i>Phyllitis scolopendrium</i>	Hart's-tongue fern	Stream	SP500 035	JAW	29.08.2013	Occasional	Banks of stream
<i>Polystichum setiferum</i>	Soft shield fern	Stream	SP5009 0363	JAW	29.08.2013	Occasional	Banks of stream
<i>Pteridium aquilinum</i>	Bracken	Rough grassland east end	SP50395 03764	JAW	25.01.2014	Locally frequent	Marginal areas to stream
<i>Pteridium aquilinum</i>	Bracken	Fen margin, valley bottom	SP5018 0367	JAW	16.07.2013	Occasional	South side
<b>FUNGI</b>							
<i>Agaricus silvicola</i>	Wood mushroom	NW-facing woodland	SP500 036	JAW	27.08.2010	1	
<i>Armillaria</i> sp	Honey fungus	NW-facing woodland	SP500 036	JAW	23.10.2011	Cluster on one trunk	As rhizomorphs seen on fallen trunk

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<i>Auricularia auricula judae</i>	Jelly ear	East end stream corridor woodland	SP5042 0378	JAW	25.01.2014	Numerous	On dead waterlogged branch in spring area next to stream
<i>Auricularia auricula-judae</i>	Jelly ear	West end head of valley	SP49780 03459	JAW	29.08.2013	Numerous	On dead elder at top of valley
<i>Byssomerulius corium</i>	Netted crust	West end head of valley	SP498 034	JAW	03.11.2011	Rare	On dead elder branch
<i>Campanella caesia</i>	Small shell-like white fungus	SE-facing steep slope, ungrazed	SP508036	BS <sup>2</sup>	21.08.2008	1	On dead grass stem
<i>Chromocyphella muscicola</i>	A small cup fungus on moss	East end stream corridor woodland	SP5042 0378	JAW	25.01.2014	3cm patch	In moss on rotting branch lying on spring area in shade
<i>Clitocybe fragrans</i>	Fragrant funnel	NW-facing woodland	SP500 036	JAW	03.11.2011	1	In moss
<i>Crepidotus</i> sp	An oysterling	NW-facing woodland	SP500 036	JAW	08.11.2011	1	On dead nettle stem
<i>Daldinia concentrica</i>	Cramp ball	NW-facing woodland	SP5039 0372	JAW	10.03.2012	Occasional	On dead ash wood
<i>Epichloe</i> sp	Choke fungus	SE-facing limestone grassland	SP498 035	JAW	24.05.2014	Rare	On grass
<i>Laetiporus sulphureus</i>	Chicken of the woods	Wet woodland in valley bottom	SP501 036	JAW	29.08.2013	2 large clumps	On trunk of fallen dead oak tree
<b><i>Lepiota brunneoincarnata</i></b>	<b>Deadly dapperling</b>	<b>West end head of valley</b>	<b>SP49780 03459</b>	<b>JAW</b>	<b>08.09.2010</b>	<b>1</b>	<b>Under elder and nettles, top of valley</b>
<i>Mycena galericulata</i>	Common bonnet	Wet woodland in valley bottom	SP501 036	JAW	03.11.2011	3	On dead log, woodland
<i>Mycena pura</i>	Lilac bonnet	Wet woodland in valley bottom	SP501 036	JAW	03.11.2011	2	Scrub adjacent to stream, top of valley
<b><i>Pachyella violaceonigra</i></b>	<b>Midnight disco</b>	<b>East end stream corridor woodland</b>	<b>SP5042 0378</b>	<b>JAW</b>	<b>25.01.2014</b>	<b>5 cups on one branch</b>	<b>On dead waterlogged branch in spring area next to stream</b>
<i>Phellinus pomaceus</i>	Bracket on <i>Prunus</i> sp	West end of valley	SP499 035	JAW	08.09.2010	Rare	On dead blackthorn trunks

<sup>2</sup> B Spooner

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<i>Phlebia radiata</i>	Wrinkled crust	Wet woodland in valley bottom	SP501 036	JAW	03.11.2011	Patches	On one dead, moss covered trunk
<i>Phragmidium sanguisorbae</i>	Rust fungus on salad burnet leaves	SE-facing limestone grassland	SP498 035	JAW	24.05.2014	Occasional	
<i>Pluteus cervinus</i>	Deer shield	Wet woodland in valley bottom	SP501 036	JAW	29.08.2013	3 caps	On rotting oak trunk in woodland
<i>Pluteus romelii</i>	Goldleaf shield	Wet woodland in valley bottom	SP501 036	JAW	03.11.2011	1	On dead log, woodand
<i>Resupinites trichotis</i>	Small-gilled bracket under log	Wet woodland in valley bottom	SP501 036	JAW	03.11.2011	Rare	Underside of dead log of hawthorn
<i>Rigidoporus ulmarius</i>	A bracket fungus	Wet woodland in valley bottom	SP501 036	JAW	29.08.2013	4	On standing dead oak
<i>Sarcoscypha</i> sp	A scarlet elf cup fungus	Stream	SP50367 03737	JAW	10.03.2012	6 cups	On dead waterlogged branch in spring area next to stream
<i>Trametes versicolor</i>	Turkey tail	NW-facing woodland	SP5039 0372	JAW	10.03.2012	Numerous brackets	On dead fallen trunk ash
<b>LICHENS</b>							
<i>Collema</i> sp.	A lichen	SE-facing limestone grassland	SP49813 03490	PC <sup>3</sup>	29.01.2011		On bare soil, edge of quarry
<i>Flavoparmelia caperata</i>	A lichen	Scrub woodland	SP498 034	PC	29.01.2011		On branches
<i>Graphis elegans</i>	Elegant script lichen	Wet woodland in valley bottom	SP501 036	PC	03.11.2011	Extensive patches on 1 tree	On ash tree by stream
<i>Lecanora chloratera</i>	A lichen	Scrub woodland	SP498 034	PC	29.01.2011		On branches
<i>Lepraria incana</i>	A lichen	Scrub woodland	SP498 034	PC	29.01.2011		On shaded bark
<i>Melanelixia subaurifera</i>	A lichen	Scrub woodland	SP498 034	PC	29.01.2011		
<i>Parmelia sulcata</i>	A lichen	Scrub woodland	SP498 034	PC	29.01.2011		On branches
<i>Physcia ascendens</i>	A lichen	Scrub woodland	SP498 034	PC	29.01.2011		On twigs

<sup>3</sup> P Cutt

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<i>Physconia perisidiosa</i>	A lichen	Scrub woodland	SP498 034	PC	29.01.2011		
<i>Placynthium nigrum</i>	A lichen	Scrub woodland	SP498 034	PC	29.01.2011		
<i>Ramalina farinacea</i>	A lichen	Scrub woodland	SP498 034	PC <sup>4</sup>	29.01.2011		On branches
<i>Ramalina fastigiata</i>	A lichen	Scrub woodland	SP498 034	PC	29.01.2011		On branches
<i>Xanthoria parietina</i>	A lichen	Scrub woodland	SP498 034	PC	29.01.2011		On twigs
<i>Xanthoria polycarpa</i>	A lichen	Scrub woodland	SP498 034	PC	29.01.2011		On twigs
<b>VERTEBRATES - MAMMALS</b>							
<i>Capreolus capreolus</i>	Roe deer	Scrub woodland	SP498 034	JAW	08.11.2011	1 female	
<i>Meles meles</i>	Badger	East end valley bank to stream	SP5043 0378	JAW	25.01.2014	3 holes	Sett, bank to stream
<i>Oryctolagus cuniculus</i>	Rabbit	SE-facing limestone grassland	SP498 035	JAW	13.09.2012	1	
<i>Oryctolagus cuniculus</i>	Rabbit	Southern woodland edge	SP5003 0354	JAW	25.01.2014	6 burrows, numerous droppings	Burrows and droppings
<i>Vulpes vulpes</i>	Fox	NW-facing woodland	SP502 036	JAW	10.03.2012	1	Found dead
<b>VERTEBRATES - BIRDS</b>							
<i>Alauda arvensis</i>	Skylark	Field to SE of valley	SP4996 0348	JAW	10.03.2012	1	Flying and calling in field to the SE of valley
<i>Carduelis carduelis</i>	Goldfinches	SE-facing limestone grassland	SP49929 03508	JAW	29.08.2013	10	Feeding on seeds of woolly thistle
<i>Garrulus glandarius</i>	Jay	SE-facing limestone grassland	SP499 035	EL <sup>5</sup>	24.09.2009	1	
<i>Picus viridis</i>	Green woodpecker	SE-facing limestone grassland	SP499 035	EL	24.09.2009	1	Heard and seen

<sup>4</sup> P Cutt    <sup>5</sup> E Lee



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Vanellus vanellus	Lapwing heard and seen	Field to SE of valley	SP4996 0348	JAW	10.03.2012	1	Flying and calling, field to the SE of valley

**VERTEBRATES – TOADS AND FROG**

Bufo bufo	Toad	East end valley, rank grassland	SP504 038	EL <sup>6</sup>	24.09.2009	1 dead	Dead on path up to grassland
Bufo bufo	Toad	Fen	SP502 037	AG <sup>7</sup>	10.01.2015	1 adult	During fen-cutting operations
Rana temporaria	Common frog	Fen	SP502 037	AG	10.01.2015	6 adults	During fen-cutting operations

**INVERTEBRATE - ARACHNID**

Heliophanus flavipes	Salticid spider	SE-facing steep slope, ungrazed	SP508036	JAW	24.09.2009	1 male	In dead <i>Helicella</i> shell
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**INVERTEBRATES - BEETLES**

Anaspis pulicaria	A tumbling flower beetle	East end valley, rank grassland	SP50420381	JAW	16.07.2013	4	
Athous bicolor	A click beetle	SE-facing limestone grassland	SP499 035	JAW	16.07.2013	2	
Byrrhus pilula	Byrrhid beetle	SE-facing steep slope, ungrazed	SP499 035	JAW	27.08.2010	1	Under lump of cow dung
Cantharis rustica	A soldier beetle	SE-facing limestone grassland	SP498 035	JAW	24.05.2014	3	
Chrysolina polita	A beetle	SE-facing limestone grassland	SP498 035	JAW	24.05.2014	1	
Cis boleti	Fungus beetles	NW-facing woodland	SP5039 0372	GMO <sup>8</sup>	10.03.2012	4	In <i>Trametes versicolor</i> on dead ash trunk

<sup>6</sup> E Lee    <sup>7</sup> A Gunn    <sup>8</sup> G M Orledge    <sup>9</sup> D J Mann

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Drusilla canaliculata	A staphylinid beetle	Quarry at SW end SE-facing grassland	SP4982403493	DJM <sup>9</sup>	04.09.2012	1	Under vegetation in quarry area
Galerucella tanaceti	Chrysomelid beetle	SE-facing limestone grassland	SP499 035	JAW	16.07.2011	1	Hiding under cow pat
Harmonia axyridis	Harlequin ladybird	Fen	SP5026 0371	JAW	16.07.2013	1	On hogweed flower
<b>Ischnomera sanguinicollis</b>	<b>Red-necked False Blister Beetle</b>	<b>Hedge line at top of limestone grassland</b>	<b>SP5001 0363</b>	<b>JAW</b>	<b>24.05.2014</b>	<b>1</b>	<b>On cow parsley flowers</b>
Malachius bipustulatus	Red tipped flower beetle	Hedge line at top of limestone grassland	SP5001 0363	JAW	24.05.2014	Numerous	
Microlestes morus	A small ground beetle	Quarry at SW end SE-facing grassland	SP4982403493	DJM <sup>10</sup>	04.09.2012	3	Running on bare rocks in quarry
Notiophilus biguttatus	A ground beetle	Quarry at SW end SE-facing grassland	SP4982403493	DJM	10.03.2012	1	Running on bare rocks in quarry
Oedemera lurida	A beetle	SE-facing limestone grassland	SP508036	JAW	16.07.2008	1	
Oedemera nobilis	Thick-kneed flower-beetle	SE-facing limestone grassland	SP498 035	JAW	24.05.2014	1m	
<b>Ophonus ardosiacus</b>	<b>A ground beetle</b>	<b>Quarry at SW end SE-facing grassland</b>	<b>SP4982403493</b>	<b>DJM<sup>10</sup></b>	<b>04.09.2012</b>	<b>1</b>	<b>Under vegetation in quarry area</b>
Phyllobius pomaceus	A nettle weevil	Fen	SP502 037	JAW	24.05.2014	1	
Pogonocherus hispidus	Lesser thorn-tipped longhorn	SE-facing limestone grassland	SP499 035	JAW	04.09.2012	1	
Rhagonycha fulva	A soldier beetle	East end valley, rank grassland	SP50420381	JAW	16.07.2013	2	
Rutpela maculata	A deadwood longhorn	Fen	SP5026 0371	JAW	16.07.2013	1	

<sup>10</sup> D J Mann

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<b>INVERTEBRATES - HYMENOPTERA</b>							
Andrena cinerea	Grey mason bee	SE-facing limestone grassland	SP498 035	JAW	18.04.2014	1f	Entering hole in ground at top of bank
Apis mellifera	Honey bee	SE-facing limestone grassland	SP499 035	JAW	29.08.2013	Numerous	On fleabane flowers in rank grassland
Bombus hypnorum	Tree bumble bee	SE-facing limestone grassland	SP498 035	JAW	24.05.2014	1 worker	
Bombus terrestris	Buff-tailed bumble bee	SE-facing limestone grassland	SP498 035	JAW	18.04.2014	1q	
<b>Formica cunicularia</b>	<b>Large ants with red brown thorax</b>	<b>SE-facing limestone grassland</b>	<b>SP498 035</b>	<b>JAW</b>	<b>18.04.2014</b>	<b>Numerous workers</b>	
Hylaeus communis	Small black bees	SE-facing limestone grassland	SP499 035	JAW	16.07.2013	1f, 2m	
Lasius flavus	Yellow meadow ant	SE-facing steep slope and top of slope	SP4980 0348	JAW	25.01.2014	More than 10 hills	Anthills
Megachile ligniseca	A wood carving leaf cutter bee	SE-facing limestone grassland	SP49920350	JAW	15.09.2012	1	On flower of woolly thistle
<b>Myrmecina graminicola</b>	<b>Grass ant</b>	<b>SE-facing limestone grassland</b>	<b>SP4982403493</b>	<b>JAW</b>	<b>13.09.2012</b>	<b>1 worker</b>	<b>On soil near quarry</b>
Nomada sp	Nomad bee	SE-facing limestone grassland	SP498 035	JAW	24.05.2014	1	
<b>Osmia bicolor</b>	<b>Bi-coloured mason bee</b>	<b>SE-facing limestone grassland</b>	<b>SP498 035</b>	<b>JAW</b>	<b>18.04.2014</b>	<b>2f</b>	<b>In grassland</b>
Osmia leaiana	A solitary bee	SE-facing limestone grassland	SP499 035	JAW	16.07.2013	1f	Swept from scabious and knapweed
Tiphia femorata	A wasp	SE-facing steep slope, ungrazed	SP495033	IRW <sup>11</sup>	21.08.2008	6	SE-facing steep slope, ungrazed

<sup>11</sup> I R Wright

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<b>BUTTERFLIES</b>							
Aglais urticae	Small tortioseshell	East end valley, rank grassland	SP5043 0384	JAW	16.07.2013	1	
Anthocharis cardamines	Orange tip	SE-facing lime- stone grassland	SP498 035	JAW	18.04.2014	2m	Territorial battling
Aphantopus hyperantus	Ringlet	SE-facing lime- stone grassland	SP499 035	JAW	16.07.2013	3	
Gonepteryx rhamni	Brimstone	SE-facing lime- stone grassland	SP498 035	JAW	24.05.2014	1m	
Lycaena phlaeas	Small copper	SE-facing lime- stone grassland	SP499 035	JAW	16.07.2011	1	
Maniola jurtina	Meadow brown	SE-facing lime- stone grassland	SP499 035	JAW	16.07.2013	10	
Melanargia galathea	Marbled white	SE-facing lime- stone grassland	SP499 035	JAW	16.07.2013	4	
Pararge aegeria	Speckled wood	SE-facing lime- stone grassland	SP498 035	JAW	24.05.2014	1	
Pieris rapae	Small white	East end valley, rank grassland	SP5043 0384	JAW	16.07.2013	1	
Polyommatus icarus	Common blue	SE-facing lime- stone grassland	SP49824 03489	JAW	04.09.2012	10	Mostly in small quarry hollow at N end
Polyommatus icarus	Common blue	SE-facing lime- stone grassland	SP499 035	JAW	29.08.2013	Numerous m & f	South-facing grassland slope
Pyronia tithonus	Gatekeeper	SE-facing lime- stone grassland	SP508036	JAW	16.07.2008	1	
Pyronia tithonus	Gatekeeper	SE-facing lime- stone grassland	SP499 035	JAW	16.07.2013	1	
Thymelicus sylvestris	Small skipper	SE-facing lime- stone grassland	SP499 035	JAW	16.07.2013	7	

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<b>MOTHS</b>							
Anthophila fabriciana	Common nettle-tap	SE-facing limestone grassland	SP498 035	JAW	24.05.2014	Numerous	Edge of path NE of fen
Aplocera plagiata	Treble bar moth	SE-facing steep slope, ungrazed	SP508036	JAW	27.08.2010	1	
Callimorpha dominula	Scarlet tiger	Fen	SP5026 0371	JAW	16.07.2008	3	Adults seen flying
Callistege mi	Mother Shipton moth	SE-facing limestone grassland	SP499 035	EL <sup>12</sup>	08.09.2010	1 caterpillar	Caterpillar resting on stalk of <i>Plantago media</i>
Coleophora albitarsella	Psychidae	SE-facing limestone grassland	SP50322 03784	CL <sup>13</sup>	23.10.2011	1	Cased moth making mine on Glechoma leaf
Ematurga atomaria	Common heath	Lower rank grassland	SP504 038	JAW	24.05.2014	1 f	
Ematurga atomaria	Common heath	SE-facing limestone grassland	SP498 035	JAW	18.04.2014	2	
Philudoria potatoria	Drinker	Fen	SP502 037	JAW	24.05.2014	1	
Pterophorus pentadactyla	White plume moth	SE-facing limestone grassland	SP508036	JAW	16.07.2008	1	
Zygaena filipendulae	6 spot burnet moth	SE-facing limestone grassland	SP499 035	JAW	16.07.2011	6	
<b>ODONATA</b>							
Enallagma cyathigerum	Common blue damselfly	SE-facing limestone grassland	SP498 035	JAW	24.05.2014	1	
<b>ORTHOPTERA</b>							
Chorthippus brunneus	Field grasshopper	SE-facing limestone grassland	SP499 035	JAW	29.08.2013	3	
Conocephalus dorsalis	Long winged conehead	SE-facing steep slope, ungrazed	SP508036	JAW	27.08.2010	1f	

<sup>12</sup> E Lee <sup>13</sup> C Lamberth

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Leptophyes punctatissima	Speckled bush cricket	SE-facing lime-stone grassland	SP499 035	JAW	16.07.2011	1	
Metriopectera roeselii	Roesel's bush cricket	SE-facing steep slope, ungrazed	SP508036	JAW	27.08.2010	1	
Omocestus viridulus	Common green grasshopper	SE-facing lime-stone grassland	SP499 035	JAW	29.08.2013	1f	
Pholidoptera griseoptera	Dark bush cricket	SE-facing steep slope, ungrazed	SP508036	JAW	27.08.2010	1	Bottom of slope in scrub
Tetrix undulata	Common groundhopper	SE-facing lime-stone grassland	SP498 035	JAW	13.09.2012	1	
<b>MILLIPEDES</b>							
Nanogona polydesmoides	False flat back millipede	Woodland	SP5001 0356	SJG <sup>14</sup>	08.09.2010	1	In bracket fungus in copse area
Glomeris marginata	Pill millipede	SE-facing lime-stone grassland	SP498 035	JAW	13.09.2012	3	Under deadwood
<b>MOLLUSCS</b>							
Arianta arbustorum	Copse snail	Woodland	SP5015 0367	JAW	13.09.2012	1	
Candidula intersepta	Wrinkled snail	SE-facing lime-stone grassland	SP498 035	JAW	08.11.2011	Occasional	
Cepaea nemoralis	Brown lipped banded snail	SE-facing steep slope, ungrazed	SP498 035	JAW	29.08.2013	3	
Clausilia bidentata	Two toothed dor snail	NW-facing woodland	SP5039 0372	JAW	10.03.2012	1	
Cornu aspera	Garden snail	SE-facing lime-stone grassland	SP498 035	JAW	13.09.2012	1	
Discus rotundatus	Rotund disc snail	NW-facing woodland	SP5039 0372	JAW	10.03.2012	6	
Ena obscura	Lesser bulin snail	West end of valley	SP498 035	JAW	03.11.2011	1	Under log, top of valley
<b>Helicella itala</b>	<b>Heath snail</b>	<b>SE-facing steep slope, ungrazed</b>	<b>SP508036</b>	<b>JAW</b>	<b>24.09.2009</b>	<b>53 live, numerous dead shells</b>	

<sup>14</sup> S J Gregory

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<b>Helicella itala</b>	<b>Heath snail</b>	<b>SE-facing lime-stone grassland</b>	<b>SP499 035</b>	<b>JAW</b>	<b>16.07.2011</b>	<b>More than 10 live adults plus juveniles</b>	
<b>Helicella itala</b>	<b>Heath snail</b>	<b>SE-facing lime-stone grassland</b>	<b>SP499 035</b>	<b>JAW</b>	<b>29.08.2013</b>	<b>Good adult numbers plus juveniles</b>	
<b>Macrogaster rolpheii</b>	<b>Rolph's door snail</b>	<b>NW-facing woodland</b>	<b>SP50115 03637</b>	<b>JAW</b>	<b>27.08.2010</b>	<b>3</b>	<b>Under rotting portions of bracket <i>Laetiporus</i> on leaf litter</b>
Monacha cantiana	Kentish snail	SE-facing steep slope, ungrazed	SP498 035	JAW	29.08.2013	Occasional	
Pomatius elegans	Round-mouthed snail	SE-facing steep slope	SP498 035	JAW	24.01.2014	2 dead empty shells	
Pupilla muscorum	Moss chrysalis snail	SE-facing lime-stone grassland	SP49824 03489	JAW	04.09.2012	2	Edge of quarry on bare rocks
<b>WOODLOUSE</b>							
Platyarthus hoffmanseggii	Ant woodlouse	SE-facing steep slope, ungrazed	SP498 035	JAW	27.08.2010	1	Under lump of cow dung
<b>HEMIPTERA</b>							
Aelia acuminata	Bishop's mitre bug	SE-facing lime-stone grassland	SP499 035	JAW	29.08.2013	1	
Aphrophora alni	A froghopper	SE-facing lime-stone grassland	SP508036	JAW	16.07.2008	1	
Coreus marginatus	Squash bug	SE-facing lime-stone grassland	SP498 035	JAW	24.05.2014	1	
Corizus hyoscyami	Rest harrow bug	SE-facing lime-stone grassland	SP499 035	JAW	29.08.2013	1	On restharrow
Dolycoris baccarum	Sloe bug	SE-facing lime-stone grassland	SP499 035	JAW	29.08.2013	1	
Eurygaster testudinaria	Tortoise shieldbug	SE-facing lime-stone grassland	SP499 035	JAW	29.08.2013	1	

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Leptopterna dolabrata	A bug	SE-facing limestone grassland	SP508036	JAW	16.07.2008	1	
Metatropis rufescens	The enchanter's nightshade bug	Wet woodland in valley bottom	SP501 036	JAW	29.08.2013	1	Swept from enchanter's nightshade
Mirus striatus	A grassbug	SE-facing limestone grassland	SP508036	JAW	16.07.2008	1	
Philaenus spumarius	Cuckoo-spit froghopper	SE-facing limestone grassland	SP508036	JAW	16.07.2008	1	
<b>FLIES</b>							
Bombylius major	Dark-edged bee fly	SE-facing limestone grassland	SP498 035	JAW	18.04.2014	More than 10	All flying at once in sun, mostly at top of slope
Chaetorellia jaceae	A picture wing fly	SE-facing limestone grassland	SP499 035	JAW	16.07.2013	3	
Chloromyia formosa	Broad centurion	Fen	SP5026 0371	JAW	16.07.2013	1m	
Chrysogaster cemitiorum	A hoverfly	East end valley, rank grassland	SP50420381	JAW	16.07.2013	1m	
Chrysopilus asiliformis	A snipe fly	Fen	SP5026 0371	JAW	16.07.2013	5	
Chrysopilus cristatus	A snipe fly	Fen	SP5026 0371	JAW	16.07.2013	Numerous m & f	
Chrysotoxum bicinctum	A hoverfly	SE-facing limestone grassland	SP508036	JAW	16.07.2008	1	
Contarinia helianthemi	Fly gall on rockrose	SE-facing steep slope, ungrazed	SP508036	JAW	24.09.2009	3	As gall on rock-rose
Coremacera marginata	A snail killing fly	SE-facing limestone grassland	SP508036	JAW	13.09.2012	1	
<b>Dicranomyia lucida</b>	<b>A small crane fly</b>	<b>Fen</b>	<b>SP5026 0371</b>	<b>JAW</b>	<b>16.07.2013</b>	<b>1m</b>	
<b>Ditomyia fasciata</b>	<b>Fungus gnat</b>	<b>Wet woodland, valley bottom</b>	<b>SP50035 03574</b>	<b>JAW</b>	<b>09.09.2010</b>	<b>3</b>	<b>Reared from dead, rotting, Rigidoporus ulmarius in copse</b>
Dolichopus popularis	A dolichopodid fly	Fen	SP5026 0371	JAW	16.07.2013	1f	
Ellipteroides lateralis	Cranefly	Fen	SP5026 0371	JAW	16.07.2013	6m, 1f	
Empis livida	An assassin fly	SE-facing limestone grassland	SP498 035	JAW	24.05.2014	Numerous	



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Episyrphus balteatus	Marmalade hoverfly	SE-facing limestone grassland	SP508036	JAW	16.07.2008	1	
Eriothrix rufomaculata	A fly	SE-facing limestone grassland	SP508036	JAW	16.07.2008	1	
Graphomyia maculata	A muscid fly	SE-facing limestone grassland	SP499 035	JAW	29.08.2013	1	On angelica flowers
Haematopota pluvialis	Cleg	SE-facing limestone grassland	SP508036	JAW	16.07.2008	1	
Leucozona lucorum	A hoverfly	SE-facing limestone grassland	SP498 035	JAW	24.05.2014	1	
Herina germinationis	Fly	SE-facing limestone grassland	SP508036	JAW	16.07.2008	1	
Lipara lucens	Chloropid fly	Fen	SP508036	JAW	24.09.2009	4 galls	As cigar galls on Phragmites
Meromyza sp	Grass fly	SE-facing limestone grassland	SP508036	JAW	16.07.2008	1	
Merzomyia westermanni	A picture wing fly	SE-facing limestone grassland	SP508036	JAW	16.07.2008	2	Swept from ragwort flowers
Merzomyia westermanni	A picture wing fly	SE-facing limestone grassland	SP508036	JAW	21.08.2008	1f	Swept from ragwort flowers
Myathropa florea	A hoverfly	SE-facing limestone grassland	SP498 035	JAW	24.05.2014	1	On cow parsley flowers
<b>Myopites inulaedyssentericae</b>	<b>A picture wing fly</b>	<b>East end valley, rank grassland</b>	<b>SP50420381</b>	<b>JAW</b>	<b>16.07.2013</b>	<b>1</b>	<b>Breeds in fleabane flowers</b>
Nephrotoma flavescens	A tiger crane fly	East end valley, rank grassland	SP50420381	JAW	16.07.2013	2f, 1m	
Nowickia ferox	Tachinid fly	SE-facing steep slope, ungrazed	SP508036	JAW	27.08.2010	15+	On angelica flowers
Oxycera nigricornis	Delicate soldierfly	Fen	SP5026 0371	JAW	16.07.2013	numerous m & f	
Oxycera rara	Four-barred major soldierfly	Fen	SP5026 0371	JAW	16.07.2013	1f	
Platysoma seminacionis	A platystomatid fly	Hedge line at top of limestone grassland	SP5001 0363	JAW	24.05.2014	numerous	Sitting on vegetation
Poecilobothrus nobilitatus	A dolichopodid fly	Fen	SP5026 0371	JAW	16.07.2013	1m	

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Siphona sp	Tachinid fly	SE-facing lime-stone grassland	SP499 035	JAW	16.07.2013	2f	
Tachina fera	Tachinid fly	Fen	SP5026 0371	JAW	16.07.2013	1	
Tephritis neesii	A picture wing fly	East end valley, rank grassland	SP50420381	JAW	16.07.2013	3f, 2m	
Terellia colon	A picture wing fly	SE-facing lime-stone grassland	SP499 035	JAW	16.07.2013	2m,1f	Breeds in woolly thistle
Terellia ruficauda	A picture wing fly	East end valley, rank grassland	SP50420381	JAW	16.07.2013	1	Breeds in thistles
Terellia tussilaginis	Tephritid on burdock	East end valley, rank grassland	SP50420381	JAW	16.07.2013	1	Breeds in burdock
Tipula fulvipennis	Large crane fly	Fen	SP5026 0371	JAW	04.09.2012	1m	In newly cleared peat area adjacent to boardwalk
Tipula fulvipennis	A crane fly	Fen	SP5026 0371	JAW	29.08.2013	1f	Flying over tufa-forming flush in woodland
Tipula maxima	Giant crane fly	Valley bottom	SP5016 0368	JAW	24.05.2014	1	
Tropidia scita	A hoverfly	SE-facing lime-stone grassland	SP498 035	JAW	24.05.2014	1	On cow parsley flowers
Urophora cardui	A picture wing fly	East end valley, rank grassland	SP50420381	JAW	16.07.2013	1 gall	Gall on stem of creeping thistle
Volucella pellucens	A hoverfly	Fen	SP5026 0371	JAW	16.07.2013	1	On hogweed flower
Volucella zonaria	A hoverfly	Fen	SP5026 0371	JAW	21.08.2008	1	On angelica flowers
Xylota sylvarum	A deadwood hoverfly	Woodland	SP500 036	JAW	16.07.2013	1m	