

**APPENDIX 3: The most important wetland plants and fungi in the Lye Valley LWS/SSSI fens (old Hogley Bog)**

Some common species have been omitted. Plants are on the Rare Plants Register, if they occur in less than 10 sites in Oxfordshire.

**KEY**

**Draft RPR** = Rare Plants Register for Oxfordshire being produced by the Ashmolean Natural History Society of Oxfordshire

**VC** = Vice County **VC 23** = the old Oxfordshire. **VC 22** = The new Oxfordshire, which includes some areas previously in Berkshire.

☆ = Possibly not on the Oxon RPR

Scientific name	Common name	Local / very local in Oxon	Draft RPR Oxon	Comment
<i>Ajuga reptans</i>	Bugle			
<i>Anagallis tenella</i>	Bog pimpernel		Yes	
<i>Angelica sylvestris</i>	Wild angelica			
<i>Apium nodiflorum</i>	Fool's water-cress			
<i>Callitriche sp</i>	Water starwort			
<i>Caltha palustris</i>	Marsh marigold			
<i>Cardamine flexuosa</i>	Wavy bittercress			
<i>Cardamine pratensis</i>	Cuckoo flower			
<i>Cirsium palustre</i>	Marsh thistle			
<i>Dactylorhiza fuchsii</i>	Common spotted orchid			
<i>Dactylorhiza praetermissa</i>	Southern marsh orchid	Yes		Only one plant
<i>Epilobium hirsutum</i>	Great willow-herb			
<i>Epilobium parviflorum</i>	Hoary willow-herb			
<i>Epipactis palustris</i>	Marsh helleborine orchid		Yes	<b>Large population - 2000 plus</b>
<i>Eupatorium cannabinum</i>	Hemp agrimony	Yes		
<i>Filipendula ulmaria</i>	Meadowsweet			
<i>Galium uliginosum</i>	Fen bedstraw	Yes		

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Scientific name	Common name	Local / very local in Oxon	Draft RPR Oxon	Comment
<i>Hydrocotyle vulgaris</i>	Marsh pennywort		Yes	
<i>Hypericum tetrapterum</i>	Square-stalked St John's wort			
<i>Iris pseudacorus</i>	Yellow flag iris			
<i>Listera ovata</i>	Twayblade orchid	Yes		
<i>Lotus pedunculatus</i>	Greater bird's-foot trefoil			
<i>Lythrum salicaria</i>	Purple loosestrife			
<i>Mentha aquatica</i>	Water mint			
<i>Menyanthes trifoliata</i>	Bog bean		Yes	Very small population. South fen only. Only 1 other Oxon fen site
<i>Myosotis scorpioides</i>	Water forget-me-not			
<i>Myosoton aquaticum</i>	Water chickweed			
<i>Nasturtium microphyllum</i>	Narrow-fruited watercress			
<i>Oenanthe lachenalii</i>	Parsley water dropwort		Yes	Only 2 other Oxon sites
<i>Parnassia palustris</i>	Grass-of-Parnassus		Yes	Only 2 other Oxon sites, none in VC 23
<i>Pedicularis palustris</i>	Marsh lousewort		Yes	Large population. Only 3 other Oxon sites
<i>Potamogeton crispus</i>	Curled pondweed			
<i>Potentilla erecta</i>	Tormentil	Yes	☆	Now on England Red List
<i>Pulicaria dysenterica</i>	Common fleabane			
<i>Ranunculus flammula</i>	Lesser spearwort		☆	Now on England Red List
<i>Ranunculus sceleratus</i>	Celery-leaved water-crowfoot			
<i>Salix aurita</i>	Eared willow		Yes	One female bush. North fen only
<i>Scrophularia auriculata</i>	Water figwort			
<i>Silene flos cuculi</i>	Ragged-robin		☆	Now on England Red List
<i>Stachys palustris</i>	Marsh woundwort			
<i>Succisa pratensis</i>	Devil's bit scabious	Yes	☆	Now on England Red List

Scientific name	Common name	Local / very local in Oxon	Draft RPR Oxon	Comment
<i>Symphytum officinale</i>	Comfrey			
<i>Valeriana dioica</i>	Marsh valerian		Yes	Large population
<i>Veronica beccabunga</i>	Brooklime			
<i>Viburnum opulus</i>	Guelder rose			
<i>Vicia cracca</i>	Tufted vetch			
<b>GRASSES, SEDGES AND RUSHES &amp; PTERIDOPHYTES (FERN ALLIES)</b>				
<i>Briza media</i>	Quaking grass		☆	Now on England Red List
<i>Calamagrostis epigejos</i>	Wood small-reed	Yes		
<i>Carex acuta</i>	Slender tufted-sedge			
<i>Carex acutiformis</i>	Lesser pond sedge			
<i>Carex dioica</i>	Dioecious sedge		Yes	<b>Tiny population, only one other county site with tiny popn. and that in VC22</b>
<i>Carex distans</i>	Distant sedge		Yes	Small population
<i>Carex disticha</i>	Brown Sedge	Yes		
<i>Carex flacca</i>	Glaucous sedge			
<i>Carex hirta</i>	Hairy sedge			
<i>Carex hostiana</i>	Tawny sedge		Yes	
<i>Carex lepidocarpa</i>	Long-stalked yellow-sedge		Yes	Large population
<i>Carex nigra</i>	Common sedge	Yes		
<i>Carex panicea</i>	Carnation sedge	Yes		
<i>Carex paniculata</i>	Greater tussock-sedge	Yes		North fen only, very few tussocks
<i>Carex pendula</i>	Pendulous sedge			Invasive and dominant, a problem species in the fen
<i>Carex pseudocyperus</i>	Hop sedge		Yes	Very small population, S fen
<i>Carex pulicaris</i>	Flea sedge		Yes	Very small population

Scientific name	Common name	Local / very local in Oxon	Draft RPR Oxon	Comment
<i>Carex riparia</i>	Greater pond sedge			
<i>Carex rostrata</i>	Bottle sedge		Yes	
<i>Carex sylvatica</i>	Wood sedge			
<i>Eleocharis quinqueflora</i>	Few-flowered spike-rush		Yes	<b>This is now the only Oxon population</b>
<i>Equisetum palustre</i>	Marsh horsetail			
<i>Eriophorum angustifolium</i>	Common cottongrass		Yes	Small population
<i>Eriophorum latifolium</i>	Broad-leaved cottongrass		Yes	Small popn. Only 3 other Oxon sites
<i>Glyceria fluitans</i>	Floating sweet-grass			
<i>Glyceria notata</i>	Plicate sweet-grass			
<i>Isolepis setacea</i>	Bristle club-rush		Yes	Small population
<i>Juncus articulatus</i>	Jointed rush			
<i>Juncus inflexus</i>	Hard rush			
<i>Juncus subnodulosus</i>	Blunt-flowered rush	Yes		Large population
<i>Molinia caerulea</i>	Purple moor grass		Yes	
<i>Phragmites australis</i>	Common reed			Abundant/dominant in areas
<i>Triglochin palustre</i>	Marsh arrow-grass		Yes	In shallow pools
<b>ALGAE</b>				
<i>Chara vulgaris</i>	A stonewort alga	Yes		Only in shallow fen pools and ponds
<b>BRYOPHYTES</b>				
<i>Bryum pseudotriquetrum/bimum</i>	Marsh bryum moss	Yes		
<i>Camplium stellatum</i>	Yellow starry feather-moss	Yes		Only two other fen sites in VC23
<i>Chiloscyphus pallescens</i>	Pale liverwort	Yes		Only one other fen site in VC23
<i>Climacium dendroides</i>	Tree moss	Yes		Only remaining fen site in VC23
<i>Cratoneuron filicinum</i>	Fern-leaved hook-moss			
<i>Fissidens adianthoides</i>	Maidenhair pocket-moss	Yes		Only remaining fen site in VC23

Scientific name	Common name	Local / very local in Oxon	Draft RPR Oxon	Comment
<i>Palustriella commutata</i>	Curled hook-moss	Yes		Only 2 other Oxon sites - both in VC22
<i>Palustriella falcata</i>	Claw-leaved hook-moss	Yes		Only 2 other Oxon sites – both in VC22
<i>Pellia endiviifolia</i>	Endive peltia liverwort			
<i>Plagiomnium elatum</i>	Tall thyme moss	Yes		Only remaining fen site in VC 23
<i>Plagiomnium ellipticum</i>	Marsh thyme moss	Yes		Only remaining fen site in VC 23
<i>Scorpidium cossonii</i>	Intermediate hook-moss	Yes	Rare nationally	Only 2 other Oxon sites -both fens in VC22
<b>FUNGI</b>				
<i>Trametes suaveolens</i>	Scented bracket		<b>Nat Red Data list</b>	On dead wood on willow pollard
<i>Gyrodon lividus</i>	Alder bolete		<b>Nat Red Data list</b>	First & only Oxon record, with alder roots
<i>Lactarius lilacinus</i>	Lilac milk cap	Yes	<b>Uncommon</b>	With roots of alders
<b>THREATS - ALIEN SPECIES INVADING</b>				
<i>Impatiens glandulifera</i>	Indian (Himalayan) balsam			Threat to south fen
<i>Fallopia japonica</i>	Japanese knotweed			Threat to north fen
<i>Aster sp</i>	Michaelmas daisy			Threat to north fen
<b>PRESUMED LOSSES FROM LYE VALLEY AND DATE, IF KNOWN</b>				
<i>Blysmus compressus</i>	Flat sedge		RPR	Only one remaining site in Oxon now
<i>Carex binervis</i>	Green-ribbed sedge		RPR	1880
<i>Carex echinata</i>	Star sedge		RPR	1800s?
<i>Carex ovalis</i>	Oval sedge		RPR	
<i>Carex pallescens</i>	Pale sedge		RPR	

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<i>Carex vesicaria</i>	Bladder sedge		RPR	
<i>Cirsium dissectum</i>	Meadow thistle		RPR	1990
<i>Drosera rotundifolia</i>	Round-leaved sundew		Extinct in county?	?1968
<i>Pinguicula vulgaris</i>	Butterwort		RPR	1994s, only 1 site left in Oxon now
<i>Samolus valerandi</i>	Brookweed		RPR	
<i>Schoenus nigricans</i>	Black bog rush		RPR	1983, south fen. Only 3 sites in Oxon now
<i>Philonotis calcarea</i>	Thick-nerved apple moss	Very Rare here		Before 1980. One tiny popn. in VC22
<i>Juncus bulbosus</i>	Bulbous rush		RPR	1990 south fen

## APPENDIX 4:

### Some of the most important invertebrates in the Lye Valley SSSI & LWS areas including mostly fens (old Hogley Bog)

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This species list includes a large number of common invertebrates. These are just the ones that are scarce-to-rare locally or nationally and thus of conservation concern. Many remain as yet unidentified. Note that proper surveys for moths and beetles have not yet been carried out, so there will be more important species to add to these groups.

#### KEY to Conservation Statuses:

**RDB** = Red Data Book listed (1 = Endangered, 2 = Vulnerable, 3 = Rare)      **NT** = Near threatened

**BAP** = Biodiversity Action Plan Species (now known as Section 41 species)

**Shading =  
of most conservation concern**

Scientific name	Common name	Group	Wetland/Dryland species	Local/national status	Comment
<i>Thecla betulae</i>	Brown hairstreak	Butterfly	Scrub	RDB/BAP Section 41	In scrub with blackthorn
<i>Lasius fuliginosus</i>	Jet ant	Ant	Scrub/trees	Local	Nests in hollow tree, rare other insect species associated
<i>Andrena labiata</i>	Girdled mining bee	Bee	Wetland/scrub/grassland	Notable / Nat scarce	
<i>Coelioxys elongata</i>	Dull-vented Sharp-tail	Bee	Wetland/scrub/grassland	Local	
<i>Hylaeus pictipes</i>	Solitary bee	Bee	Wetland/scrub/grassland	Notable / Nat Scarce	
<i>Colletes hederæ</i>	Ivy bee	Bee	Scrub	Local in S England	Increasing species, feeds only on ivy flowers
<i>Eubria palustris</i>	Water penny beetle	Beetle	Wetland	RDB 3 Rare/Near Threatened	Needs very short vegetation, warm wet fen
<i>Phytoecia cylindrica</i>	Umbellifer longhorn beetle	Beetle	Wetland/scrub/grassland	Notable/ Nat Scarce	Breeds in umbellifers (Apiaceae)
<i>Actenicerus sjaelandicus</i>	Marsh click beetle	Beetle	Wetland as larva	Local	
<i>Lampyris noctiluca</i>	Glow-worm	Beetle	Wetland/scrub/grassland	Local	Feeds on snails

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Scientific name	Common name	Group	Wetland/Dryland species	Local/national status	Comment
<i>Agrilus viridis</i>	Beech splendour beetle	Beetle	Scrub	Notable / Nat Scarce	Breeds in dead wood
<i>Glaphyra (Molorchus) umbellatarum</i>	Pear short-wing beetle	Beetle	Scrub/trees	Notable / Nat Scarce	Breeds in dead wood
<i>Pholidoptera griseoptera</i>	Dark bush cricket	Cricket (orthoptera)	Wetland, scrub	Local	
<i>Aulacigaster leucopeza</i>	A fly	Fly (Aulacigastridae)	Trees	Notable / Nat Scarce	A sap-run species
<b><i>Gaurax sp cf. maculipennis</i></b>	<b>A small chloropid fly</b>	<b>Fly (Chloropid)</b>	<b>Scrub (breeds in fungi)</b>	<b>? New to Britain</b>	<b>Reared from fungus on willow, name to be confirmed</b>
<i>Cryptonevra nigratarsis</i>	A chloropid fly	Fly (Chloropid)	Wetland	Notable / Nat Scarce	
<i>Dicraeus tibialis</i>	A chloropid fly	Fly (Chloropid)	Wetland	Notable / Nat Scarce	
<i>Lipara lucens</i>	A reed gall fly	Fly (Chloropid)	Wetland	Local	In reeds
<i>Lipara rufitarsis</i>	A reed gall fly	Fly (Chloropid)	Wetland	Notable / Nat Scarce	In reeds
<b><i>Paraclusia tigrina</i></b>	<b>A clusiid fly</b>	<b>Fly (clusiid)</b>	<b>Dead wood</b>	<b>RDB 3 Rare</b>	
<i>Dicranomyia lucida</i>	Spotted beauty	Fly (cranefly)	Wetland as larva	Notable / Nat Scarce	
<b><i>Lipsothrix nervosa</i></b>	<b>Southern yellow splinter</b>	<b>Fly (cranefly)</b>	<b>Wetland as larva</b>	<b>Nat Scarce/ BAP/ Section 41</b>	
<i>Molophilus corniger</i>	A crane fly	Fly (cranefly)	Wetland as larva	Notable / Nat Scarce	
<i>Thaumastoptera calceata</i>	A crane fly	Fly (cranefly)	Wetland as larva	Notable / Nat Scarce	
<i>Tipula maxima</i>	Giant crane fly	Fly (cranefly)	Wetland as larva	Local	
<b><i>Triogma trisulcata</i></b>	<b>Dimple-cheeked damsel</b>	<b>Fly (cranefly)</b>	<b>Wetland as larva</b>	<b>RDB 3 Rare</b>	<b>Needs short, warm, wet mossy fen</b>
<i>Greenomyia mongolica</i>	A fungus gnat	Fly (fungus gnat)	Unknown	Recent colonist to Britain	Unknown life cycle



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Scientific name	Common name	Group	Wetland/Dryland species	Local/national status	Comment
<i>Rutylapa ruficornis</i>	A fungus gnat	Fly (fungus gnat)	Wetland as larva	Nationally scarce	
<i>Chalcosyrphus nemorum</i>	A hoverfly	Fly (hoverfly)	Wetland	Local	Breeds in waterlogged dead wood
<i>Cheilosia barbata</i>	A hoverfly	Fly (hoverfly)	Scrub, grassland	Notable / Nat Scarce	
<i>Orthonevra brevicornis</i>	A hoverfly	Fly (hoverfly)	Wetland as larva	Very Local	
<b><i>Cnemacantha muscaria</i></b>	<b>A lauxaniid fly</b>	<b>Fly (lauxaniid fly)</b>	<b>Wetland/scrub/grassland</b>	<b>RDB 3 Rare</b>	
<i>Palloptera scutellata</i>	A Pallopterid fly	Fly (pallopterid)	Wetland	Notable / Nat Scarce	Lives in rushes (Juncus)
<b><i>Dorycera graminum</i></b>	<b>Phoenix fly</b>	<b>Fly (picture wing fly, Ulidiidae)</b>	<b>Dryland, scrub</b>	<b>RDB 3 / Near Threatened / BAP/ Section 41</b>	<b>In LWS scrub on golf course</b>
<i>Pherbellia annulipes</i>	A snail-killing fly	Fly (snail-killing fly)	Wetland	Notable / Nat Scarce	Depends on snails
<i>Pherbellia nana</i>	A snail-killing fly	Fly (snail-killing fly)	Wetland	Notable / Nat Scarce	Depends on snails
<i>Spania nigra</i>	Liverwort snipefly	Fly (snipefly)	Wetland as larva	Notable / Nat Scarce	Depends on liverworts
<i>Oxycera morrisii</i>	White-barred soldier	Fly (soldierfly)	Wetland as larva	Notable / Nat Scarce / Local	Recordings of this fly are increasing Therefore status down
<i>Oxycera pygmaea</i>	Pygmy soldier	Fly (soldierfly)	Wetland as larva	Notable / Nat Scarce	
<i>Oxycera rara</i>	Four-barred major	Fly (soldierfly)	Wetland as larva	Local	
<i>Oxycera trilineata</i>	Three-lined soldier	Fly (soldierfly)	Wetland as larva	Local	
<i>Solva marginata</i>	Drab Wood-soldier	Fly (wood-soldierfly)	Dryland	Notable / Nat Scarce	
<i>Stratiomys potamida</i>	Banded general soldier	Fly (soldierfly)	Wetland as larva	Notable/ Nat Scarce/ Local	Has become more common in recent years therefore status down

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Scientific name	Common name	Group	Wetland/Dryland species	Local/national status	Comment
<i>Stratiomys singularior</i>	Flecked general soldier	Fly (soldierfly)	Wetland as larva	Notable / Nat Scarce	Rare in Oxon, usually coastal
<i>Vanoyia tenuicornis</i>	Long-horned soldier	Fly (soldierfly)	Wetland as larva	Notable/ Nat Scarce	
<i>Nemotelus pantherinus</i>	Fen snout	Fly (soldierfly)	Wetland as larva	Local	
<i>Beris clavipes</i>	Scarce orange legionnaire	Fly (soldierfly)	Wetland as larva	Notable / Nat Scarce	
<b><i>Stenomicroa cogani</i></b>	<b>A stenomicrid fly</b>	<b>Fly (Stenomicroidae)</b>	<b>Wetland as larva</b>	<b>RDB 3 / Nat Scarce</b>	<b>Recordings of this fly are increasing. Therefore status down</b>
<b><i>Macquartia viridana</i></b>	<b>A parasite fly</b>	<b>Fly (tachinid)</b>	<b>Wetland</b>	<b>Rare, data deficient</b>	<b>Very few specimens known</b>
<i>Zophomyia temula</i>	A parasite fly	Fly (tachinid)	All habitats	Notable / Nat Scarce	Breeds in moth larvae
<i>Euphranta toxoneura</i>	A tephritid fly	Fly (tephritid)	Scrub	Notable / Nat Scarce	Breeds in galls on willow leaves
<i>Callimorpha dominula</i>	Scarlet tiger moth	Moth	Wetland	Local	Larva mostly on comfrey
<i>Vertigo antivertigo</i>	Marsh whorl snail	Snail (mollusc)	Wetland	Very local	Needs very short vegetation in wet fen, declining in Oxon
<i>Euconulus alderi</i>	Tawny glass snail	Snail (mollusc)	Wetland	Local	

**ALIEN SPECIES (INVADERS)**

Scientific name	Common name	Group	Wetland/Dryland species	Local/national status	Comment
<i>Hygromia cinctella</i>	Girdled snail	Snail (mollusc)	Wetland	Alien	Probably introduced from garden rubbish dumping
<i>Pacifastacus leniusculus</i>	Signal crayfish	Crustacean	Stream	Alien	

KEY: Shading indicates interesting or rare/protected species

Scientific Name	Common Name	Collected/ Determined by	Date	Numbers / Sex	Comment
<b>FLOWERING PLANTS</b>					
<i>Acer campestre</i>	Field maple	J A Webb	01.11.2011	Numerous	Head of valley and top of rubble bank
<i>Achillea millefolium</i>	Yarrow	J A Webb	10.06.2009	Rare	Entrance track from The Slade
<i>Aegopodium podagraria</i>	Ground elder	J A Webb	21.03.2008	Frequent	East bank. Flowers much used by insects
<i>Aesculus hippocastanum</i>	Horse chestnut	J A Webb	10.06.2009	1	Young tree
<i>Ajuga reptans</i>	Bugle	J A Webb	21.03.2008	Rare	Wet peaty areas
<i>Alliaria petiolata</i>	Garlic mustard	J A Webb	21.03.2008	Occasional	Stream banks
<i>Alnus glutinosa</i>	Alder	J A Webb	21.03.2008	Rare	Wet peaty
<i>Angelica sylvestris</i>	Angelica	J A Webb	21.03.2008	Occasional	Wet peaty areas
<i>Anthriscus sylvestris</i>	Cow parsley	J A Webb	21.03.2008	Locally frequent	Under copse of trees at valley head
<i>Arctium sp</i>	A Burdock	J A Webb	21.03.2008	Occasional	By path
<i>Arenaria serpyllifolia</i>	Thyme leaved sandwort	J A Webb	10.06.2009	Occasional	In limestone chipping area of entrance track
<i>Armoracia rusticana</i>	Horse radish	J A Webb	10.06.2009	Occasional	Verges to track down from entrance
<i>Arrhenatherum elatius</i>	False Oat-grass	J A Webb	21.03.2008	Occasional	Entrance track from The Slade
<i>Artemisia vulgaris</i>	Mugwort	J A Webb	21.03.2008	Rare	Entrance track from The Slade
<i>Arum maculatum</i>	Cuckoo pint	J A Webb	21.03.2008	Rare	Drier scrub areas
<i>Aster sp</i>	Michaelmas daisy	J A Webb	21.03.2008	Occasional	Peaty areas near path
<i>Calamagrostis epigejos</i>	Wood small reed	J A Webb	18.09.2014	Occasional	West bank above North fen
<i>Calystegia sepium</i>	Greater bindweed	J A Webb	21.03.2008	Occasional	Wet peaty areas
<i>Capsella bursa pastoris</i>	Shepherd's purse	J A Webb	10.06.2009	Rare	Entrance track from The Slade
<i>Cardamine flexuosa</i>	Wavy bittercress	J A Webb	21.03.2008	Occasional	Wet peaty areas
<i>Carex acutiformis</i>	Lesser pond sedge	J A Webb	28.10.2011	Occasional	Sedge swamp spring area, west side
<i>Carex acutiformis</i>	Lesser pond sedge	J A Webb	20.09.2014	Patch 5m	Tufa springs west side
<i>Carex disticha</i>	Brown sedge	J A Webb	10.06.2009	Rare	Wet peaty areas
<i>Carex hirta</i>	Hairy sedge	J A Webb	21.03.2008	Rare	Wet peaty areas
<b><i>Carex paniculata</i></b>	<b>Greater tussock sedge</b>	<b>J A Webb</b>	<b>21.03.2008</b>	<b>3 large tussocks only</b>	<b>Near to SSSI northern boundary</b>
<i>Carex pendula</i>	Pendulous sedge	J A Webb	21.03.2008	Numerous clumps	Mostly on stream banks
<i>Carex sylvatica</i>	Wood sedge	J A Webb	30.04.2009	Rare - 2 clumps	At head of valley, west side
<i>Cirsium palustre</i>	Marsh thistle	J A Webb	21.03.2008	Rare	Wet peaty areas
<i>Cirsium vulgare</i>	Creeping thistle	J A Webb	10.06.2009	Rare	Edge of path
<i>Convolvulus arvensis</i>	Bindweed	J A Webb	10.06.2009	Rare	Entrance track from The Slade
<i>Corylus avellana</i>	Hazel	J A Webb	21.03.2008	Couple of coppice stools	Dry banks
<i>Crataegus monogyna</i>	Common hawthorn	J A Webb	01.11.2011	Numerous	Scrub and hedge at top of bank
<i>Crepis capillaris</i>	Smooth hawksbeard	J A Webb	10.06.2009	Rare	In limestone chipping area of entrance track

Scientific Name	Common Name	Collected/ Determined by	Date	Numbers / Sex	Comment
FLOWERING PLANTS cont.					
<i>Dactylis glomerata</i>	Cocksfoot grass	J A Webb	21.03.2008	Occasional	Entrance track from The Slade
<i>Daphne laureola</i>	Spurge laurel	J A Webb	15.03.2012	1 bush	East side bank in scrub, garden escape?
<i>Deschampsia cespitosa</i>	Tufted hair grass	J A Webb	21.03.2008	Rare	Under hawthorn scrub
<i>Dipsacus fullonum</i>	Teasel	J A Webb	21.03.2008	Rare	By path
<i>Epilobium hirsutum</i>	Great hairy willow-herb	J A Webb	21.03.2008	Locally frequent	Wet peaty areas
<i>Equisetum palustre</i>	Marsh horsetail	J A Webb	10.06.2009	Rare	Wet peaty areas
<b><i>Eupatorium cannabinum</i></b>	<b>Hemp agrimony</b>	<b>J A Webb</b>	<b>18.09.2014</b>	<b>Patch 5m</b>	<b>Tufa springs west side</b>
<i>Fallopia baldschuanica</i>	Russian vine	J A Webb	21.03.2008	Locally frequent	Garden escape along fence to allotments to North
<i>Fallopia japonica</i>	Japanese knotweed	J A Webb	08.07.2008	One patch	West bank only
<i>Festuca arundinacea</i>	Tall fescue	J A Webb	21.03.2008	Rare	Wet peaty areas
<i>Filipendula ulmaria</i>	Meadowsweet	J A Webb	21.03.2008	Occasional	Wet peaty areas
<i>Frangula alnus</i>	Alder buckthorn	J A Webb	28.10.2011	6 young trees	Obviously planted, west side wet peaty area
<i>Fraxinus excelsior</i>	Ash	J A Webb	21.03.2008	Mature trees	Embankment
<i>Galium aparine</i>	Goosegrass	J A Webb	21.03.2008	Locally frequent	Embankment
<i>Geranium pyrenaicum</i>	Hedgerow cranesbill	J A Webb	10.06.2009	Occasional	Entrance track from The Slade
<i>Glechoma hederacea</i>	Ground ivy	J A Webb	21.03.2008	Locally frequent	East dry bank
<i>Glyceria notata</i>	Plicate sweet grass	J A Webb	21.03.2008	Occasional	Wet peaty areas
<i>Hedera helix</i>	Ivy	J A Webb	21.03.2008	Abundant	Overgrowing old scrub
<i>Heracleum sphondylium</i>	Hogweed	J A Webb	21.03.2008	Occasional	Wet peaty areas
<i>Holcus lanatus</i>	Yorkshire fog	J A Webb	21.03.2008	Common	Throughout
<i>Hordeum murinum</i>	Wall barley	J A Webb	10.06.2009	Occasional	On dry soil at head of valley
<i>Hyacinthoides hispanica</i>	Spanish bluebell	J A Webb	16.04.2008	Rare	Embankment
<i>Hyacinthoides non scripta</i>	Native bluebell	J A Webb	16.04.2008	Rare	Embankment
<i>Hypericum tetrapterum</i>	Square stalked St John's Wort	J A Webb	21.03.2008	Rare	Wet peaty areas
<i>Iris pseudacorus</i>	Flag iris	J A Webb	21.03.2008	Occasional	Wet peaty areas
<i>Juncus articulatus</i>	Jointed rush	J A Webb	22.04.2009	Occasional	Wet peaty areas
<i>Juncus inflexus</i>	Hard rush	J A Webb	21.03.2008	Occasional	Wet peaty areas
<i>Juncus subnodulosus</i>	Blunt flowered rush	J A Webb	21.03.2008	Rare	Flush/spring areas only
<i>Lamium album</i>	White dead nettle	J A Webb	22.04.2009	Rare	Edges of scrub areas
<i>Lamium maculatum</i>	Spotted deadnettle	J A Webb	28.10.2011	1 patch	Near stream, garden rubbish dumped
<i>Leontodon autumnalis</i>	Autumn hawkbit	J A Webb	10.06.2009	Rare	Mown paths
<i>Lolium perenne</i>	Perennial rye grass	J A Webb	26.08.2009	Frequent	Mown paths
<i>Lonicera nitida</i>	Shrubby honeysuckle	J A Webb	21.03.2008	One large bush	Entrance track from The Slade

APPENDIX 5: All species in Lye Valley Scrub Area SP 548060 2007-2014

J A Webb for Wild Oxford Project, March 2015

Scientific Name	Common Name	Collected/ Determined by	Date	Numbers / Sex	Comment
FLOWERING PLANTS cont.					
<i>Malus sp</i>	Domestic apple tree	J A Webb	13.11.2013	2 mature trees	East side bank in scrub
<i>Matricaria discoidea</i>	Pineapple weed	J A Webb	26.08.2009	Rare	Entrance track from The Slade
<i>Medicago lupulina</i>	Black medick	J A Webb	26.08.2009	Rare	Entrance track from The Slade
<i>Medicago sativa</i>	Lucerne	J A Webb	21.03.2008	Rare	Entrance track from The Slade
<i>Mentha aquatica</i>	Water mint	J A Webb	21.03.2008	Occasional	Wet peaty areas
<i>Narcissus sp</i>	White garden narcissi	J A Webb	21.03.2008	Couple of clumps	Garden escape?
<i>Nasturtium microphyllum</i>	One-rowed watercress	J A Webb	10.06.2009	Occasional	Wet peaty areas
<i>Phragmites australis</i>	Common reed	J A Webb	21.03.2008	Occasional	Wet peaty areas
<i>Plantago lanceolata</i>	Ribwort plantain	J A Webb	10.06.2009	Occasional	Entrance track from The Slade
<i>Plantago major</i>	Greater plantain	J A Webb	10.06.2009	Occasional	Entrance track from The Slade
<i>Poa annua</i>	Annual meadow grass	J A Webb	26.08.2009	Occasional	In limestone chipping area of entrance track
<i>Potamogeton crispus</i>	Curled pondweed	J A Webb	21.03.2008	Rare	In the Lye Brook
<i>Potentilla reptans</i>	Cinquefoil	J A Webb	26.08.2009	Occasional	Entrance track from The Slade
<i>Primula vulgaris</i>	Primrose	J A Webb	21.03.2008	1 clump	Garden escape, tipped embankment
<i>Prunus avium</i>	Gean, wild cherry	J A Webb	10.06.2009		Entrance track from The Slade
<i>Prunus spinosa</i>	Blackthorn	J A Webb	16.04.2008	Common	East and west dry banks
<i>Quercus robor</i>	Oak	J A Webb	28.10.2011	1	Young sapling, planted, west side
<i>Ranunculus ficaria</i>	Celandine	J A Webb	21.03.2008	Abundant	Wet peaty areas
<i>Ranunculus repens</i>	Creeping buttercup	J A Webb	21.03.2008	Occasional	Wet peaty areas
<i>Rhamnus cathartica</i>	Purging buckthorn	J A Webb	28.10.2011	1	East side by path
<i>Ribes rubrum</i>	Redcurrant	J A Webb	22.04.2009	1 patch	East bank
<i>Rosa sp climbing, white double</i>	Garden variety	J A Webb	21.03.2008	Locally abundant	Climbing rose garden escape, fence to allotments
<i>Rubus caesius</i>	Dewberry	J A Webb	21.03.2008	Frequent	Wet peaty areas
<i>Rubus cf armeniacus</i>	Himalayan giant blackberry	J A Webb	21.03.2008	Frequent	Frequent and dominant in some areas
<i>Rubus fruticosus agg</i>	Blackberry/bramble	J A Webb	21.03.2008	Frequent	East and west dry banks
<i>Rubus idaeus</i>	Raspberry	J A Webb	21.03.2008	Occasional	East bank
<i>Rumex obtusifolius</i>	Broad-leaved dock	J A Webb	21.03.2008	Rare	Entrance track from The Slade
<i>Sagina apetala s.l.</i>	Annual pearlwort	J A Webb	10.06.2009	Rare	In limestone chipping area of entrance track
<i>Salix caprea</i>	Goat willow	J A Webb	10.06.2009	Occasional	Wet peaty areas
<i>Salix cinerea</i>	Grey willow	J A Webb	21.03.2008	Occasional	Wet peaty areas
<i>Salix fragilis</i>	Crack willow	J A Webb	21.03.2008	Frequent	Wet peaty areas
<i>Sambucus nigra</i>	Elder	J A Webb	21.03.2008	Occasional	Entrance track from The Slade
<i>Saponaria officinalis</i>	Soapwort	J A Webb	05.08.2009	2m-wide clump	Verges to track down from entrance
<i>Scrophularia auriculata</i>	Water figwort	J A Webb	21.03.2008	Occasional	Wet peaty areas
<i>Senecio jacobaea</i>	Common ragwort	J A Webb	10.06.2009	Rare	Entrance track from The Slade

Scientific Name	Common Name	Collected/ Determined by	Date	Numbers / Sex	Comment
FLOWERING PLANTS cont.					
<i>Silene flos cuculi</i>	Ragged robin	J A Webb	18.09.2014	Rare	Tufa springs west side
<i>Silene flos cuculi</i>	Ragged robin	J A Webb	01.11.2011	2m patch	In calcareous spring area, west side
<i>Solanum dulcamara</i>	Bittersweet	J A Webb	21.03.2008	Occasional	Wet peaty areas
<i>Solidago canadensis</i>	Canadian goldenrod	J A Webb	26.08.2009	Rare	Entrance track from The Slade
<i>Sonchus arvensis</i>	Sow thistle	J A Webb	16.04.2008	Occasional	Entrance track from The Slade
<i>Sorbus sp.</i>	Hybrid rowan type	J A Webb	28.10.2011	3	Planted, on steep west embankment
<i>Sorbus sp. hybrid</i>	Whitebeam type	J A Webb	28.10.2011	1	Obviously planted, west side peat area
<i>Stachys sylvatica</i>	Hedge woundwort	J A Webb	21.03.2008	Occasional	East side scrub
<i>Taraxacum officinale agg</i>	Dandelion	J A Webb	21.03.2008	Occasional	Entrance track from The Slade
<i>Tilia cordata</i>	Small-aved Lime	J A Webb	01.11.2011	5	Group of young trees, planted, top of west bank
<i>Trifolium dubium</i>	Lesser yellow trefoil	J A Webb	10.06.2009	Rare	Entrance track from The Slade
<i>Trifolium repens</i>	White clover	J A Webb	10.06.2009	Occasional	Entrance track from The Slade
<i>Tussilago farfara</i>	Coltsfoot	J A Webb	21.03.2008	Occasional	Entrance track from The Slade
<i>Urtica dioica</i>	Common nettle	J A Webb	21.03.2008	Frequent	Wet peaty areas, tipped embankment
<i>Veronica arvensis</i>	Wall speedwell	J A Webb	10.06.2009	Rare	Entrance track from The Slade
<i>Veronica beccabunga</i>	Brooklime	J A Webb	21.03.2008	Rare	Wet peaty areas
<i>Viburnum lantana</i>	Wayfaring tree	J A Webb	21.03.2008	Rare	East side scrub
<i>Viburnum opulus</i>	Guelder rose	J A Webb	28.10.2011	1	Obviously planted, west side
<i>Vicia sativa</i>	Vetch	J A Webb	21.03.2008	Rare	Entrance track from The Slade
<i>Viola odorata</i>	Sweet violet	J A Webb	21.03.2008	Rare	Entrance track from The Slade
<b><i>Vulpia myuros</i></b>	<b>Rat's tail fescue</b>	<b>J A Webb</b>	<b>10.06.2009</b>	<b>Approx 20 plants</b>	<b>In limestone chipping area of entrance track</b>
<b>MOSSES &amp; LIVERWORTS (Bryophytes)</b>					
<i>Amblystegium serpens</i>	Creeping feather-moss	J A Webb	21.03.2008	Occasional	On logs/soil
<i>Brachythecium rutabulum</i>	Rough-stalked feather-moss	J A Webb	21.03.2008	Abundant	On peat and logs
<i>Bryum capillare</i>	Capillary thread-moss	J A Webb	16.04.2008	Occasional	Tree bark
<i>Calliergonella cuspidata</i>	Pointed spear-moss	J A Webb	21.03.2008	Abundant	On peat and logs
<i>Cratoneuron filicinum</i>	Fern-leaved hook-moss	J A Webb	21.03.2008	Frequent	In spring areas
<i>Fissidens taxifolius var taxifolius</i>	Common pocket-moss	J A Webb	21.03.2008	Occasional	Banks to the Lye Brook

Scientific Name	Common Name	Collected/ Determined by	Date	Numbers / Sex	Comment
<i>Homalothecium sericeum</i>	Silky wall feather-moss	J A Webb	21.03.2008	Occasional	On tree bark
<b>MOSSES &amp; LIVERWORTS (Bryophytes) cont.</b>					
<i>Kindbergia praelonga</i>	Common feather-moss	J A Webb	21.03.2008	Abundant	On peat and logs
<i>Lophocolea bidentata</i>	Bifid crestwort	J A Webb	21.03.2008	Rare	On rotting stump
<i>Lunularia cruciata</i>	Crescent-cup liverwort	J A Webb	21.03.2008	Occasional	Banks to the Lye Brook
<i>Pellia endiviifolia</i>	Endive pellia	J A Webb	18.09.2014	Rare	Tufa springs west side
<i>Plagiomnium undulatum</i>	Hart's-tongue thyme-moss	J A Webb	21.03.2008	Rare	On rotting logs east side
<i>Platyhypnidium riparioides</i>	Long-beaked water feather-moss	J A Webb	21.03.2008	Occasional	Mostly around exit of pipe from which Lye Brook issues
<i>Rhynchostegiella tenella</i>	Tender feather-moss	J A Webb	18.09.2014	Rare	On limestone rubble, tipped embankments
<b>FUNGI</b>					
<i>Bjerkandera adusta</i>	Smoky bracket	J A Webb	28.10.2011	5 brackets	Rotting log pile
<i>Naucoria sp</i>	Toadstool with alder	J A Webb	28.10.2011	4	Mycorrhizal in root zone of young alders
<i>Trametes suaveolens</i>	<b>Aniseed scented bracket fungus</b>	<b>J A Webb, confirmed by A Henrici</b>	<b>05.04.2009</b>	<b>3 brackets</b>	<b>On willow stump by the Lye Brook</b>
<i>Trametes versicolor</i>	Turkey tail	J A Webb	16.04.2008	Numerous	On rotting stump by path
<b>DIPTERA</b>					
<i>Oxycera nigricornis</i>	Delicate soldierfly	J A Webb	27.06.2009	2	Swept from vegetation over spring
<i>Dilophus febrilis</i>	Fever fly	J A Webb	29.08.2008	Numerous	On ivy flowers
<i>Ellipteroides lateralis</i>	A crane fly	J A Webb	27.06.2009	2	From vegetation over spring
<i>Lipsothrix remota</i>	Yellow splinter crane fly	J A Webb	Emerged 25.04.2009	1 female	Reared from mud and wood from spring
<i>Tephritis bardanae</i>	Tephritid fly	J A Webb	08.07.2008	1 male, 1 female	On burdock flowers
<i>Thaumastoptera calceata</i>	Crane fly	J A Webb	Emerged 20.04.2009	1	Reared from mud and moss from spring
<i>Volucella zonaria</i>	Hoverfly	J A Webb	18.09.2014	1 female	On ivy flowers
<b>CRUSTACEA</b>					

Scientific Name	Common Name	Collected/ Determined by	Date	Numbers / Sex	Comment
<i>Gammarus sp.</i>	Freshwater shrimp	J A Webb	16.04.2008	Numerous	In spring running East to West under sleepers on path
<b>HEMIPTERA</b>					
<i>Acanthosoma haemorrhoidale</i>	Hawthorn shieldbug	J A Webb	28.10.2011	1	On hawthorn
<b>ORTHOPTERA</b>					
<i>Pholidoptera griseoptera</i>	Dark bush cricket	J A Webb	20.09.2014	1	Heard singing
<b>LEPIDOPTERA</b>					
<i>Abraxus grossulariata</i>	Magpie moth	J A Webb	27.06.2009	1	
<i>Anthocharis cardamines</i>	Orange tip butterfly	J A Webb	22.04.2009	1 male	
<i>Celastrina argiolus</i>	Holly blue	J A Webb	22.04.2008	1	
<i>Gonepteryx rhamni</i>	Brimstone butterfly	J A Webb	22.04.2009	1	
<i>Inachis io</i>	Peacock butterfly	J A Webb	16.04.2008	1	
<i>Parage aegeria</i>	Speckled wood butterfly	J A Webb	22.04.2009	1	
<i>Polygonia c-album</i>	Comma	J A Webb	21.03.2008	1	
<i>Shargacucullia verbasci</i>	Mullein moth	J A Webb	20.06.2008	1 caterpillar	Feeding on water figwort leaves
<b><i>Thecla betulae</i></b>	<b>Brown hairstreak</b>	<b>S Woolliams</b>	<b>01/09/2011</b>	<b>4 eggs</b>	<b>On blackthorn scrub</b>
<i>Vanessa atalanta</i>	Red admiral butterfly	J A Webb	28.10.2011	1	
<b>HYMENOPTERA</b>					
<i>Apis mellifera</i>	Honey bees	J A Webb	18.09.2014	Numerous workers	On ivy flowers
<i>Bombus lapidarius</i>	Black-bodied red tail bumble	J A Webb	21.03.2008	1 queen	Flying
<i>Bombus pascuorum</i>	Common carder bumble	J A Webb	22.04.2009	1 queen	Flying
<b><i>Colletes hederæ</i></b>	<b>Ivy bee</b>	<b>J A Webb</b>	<b>18.09.2014</b>	<b>1</b>	<b>On ivy flowers</b>
<b>MOLLUSCA</b>					
<i>Arianta arbustorum</i>	Copse snail	J A Webb	01.11.2011	1	Wet peaty areas
<i>Cepaea nemoralis</i>	Brown lipped banded snail	J A Webb	01.11.2011	1	East side on rotting log
<i>Discus rotundatus</i>	Rounded snail	J A Webb	01.11.2011	1	East side on rotting log
<i>Hygromia cinctella</i>	Girdled snail	J A Webb	28.10.2011	1	West side
<b><i>Vertigo antvertigo</i></b>	<b>Marsh whorl snail</b>	<b>J A Webb</b>	<b>01.11.2011</b>	<b>1</b>	<b>West side carex fen/carr</b>
<b>AMPHIBIANS &amp; REPTILES</b>					
<i>Natrix natrix</i>	Grass snake	J A Webb	01/04/2007	1	Dead snake killed by cat of owners of 173



Scientific Name	Common Name	Collected/ Determined by	Date	Numbers / Sex	Comment
					The Slade
<i>Anguis fragilis</i>	Slow worm	S Woolliams	01/09/2011	3 adults	Under bits of corrugated iron
<i>Rana temporaria</i>	Common frog	R Newton	20.09.2014	1 adult, 2 juvenile	Tufa springs west side
<i>Zootoca vivipara</i>	Viviparous lizard	S Woolliams	01/09/2011	3 adults, 8 juveniles	Basking in open grassy area 'the triangle'

<b>BIRDS</b>					
<i>Erithacus rubecula</i>	Robin	J A Webb	28.10.2011	1	
<i>Parus caeruleus</i>	Blue tit	J A Webb	05.04.2009	1	
<i>Phylloscopus collybita</i>	Chiff chaff	J A Webb	05.04.2009	1	
<i>Prunella modularis</i>	Dunnock	J A Webb	19.01.2012	1	Seen and heard singing in bush
<i>Troglodytes troglodytes</i>	Wren	J A Webb	05.04.2009	1	
<i>Turdus merula</i>	Blackbird	J A Webb	05.04.2009	1	
<i>Turdus philomelos</i>	Song thrush	J A Webb	05.04.2009	1	
<b>MAMMALS</b>					
<i>Meles meles</i>	<b>Badger</b>	<b>J A Webb</b>	<b>28.10.2011</b>	<b>1 hole</b>	<b>As diggings with fresh earth in West steep bank</b>
<i>Muntiacus reevesi</i>	Reeve's muntjac deer	J A Webb	18.09.2014	1	East side bank
<i>Vulpes vulpes</i>	Fox	J A Webb	01.11.2011	1	Seen running