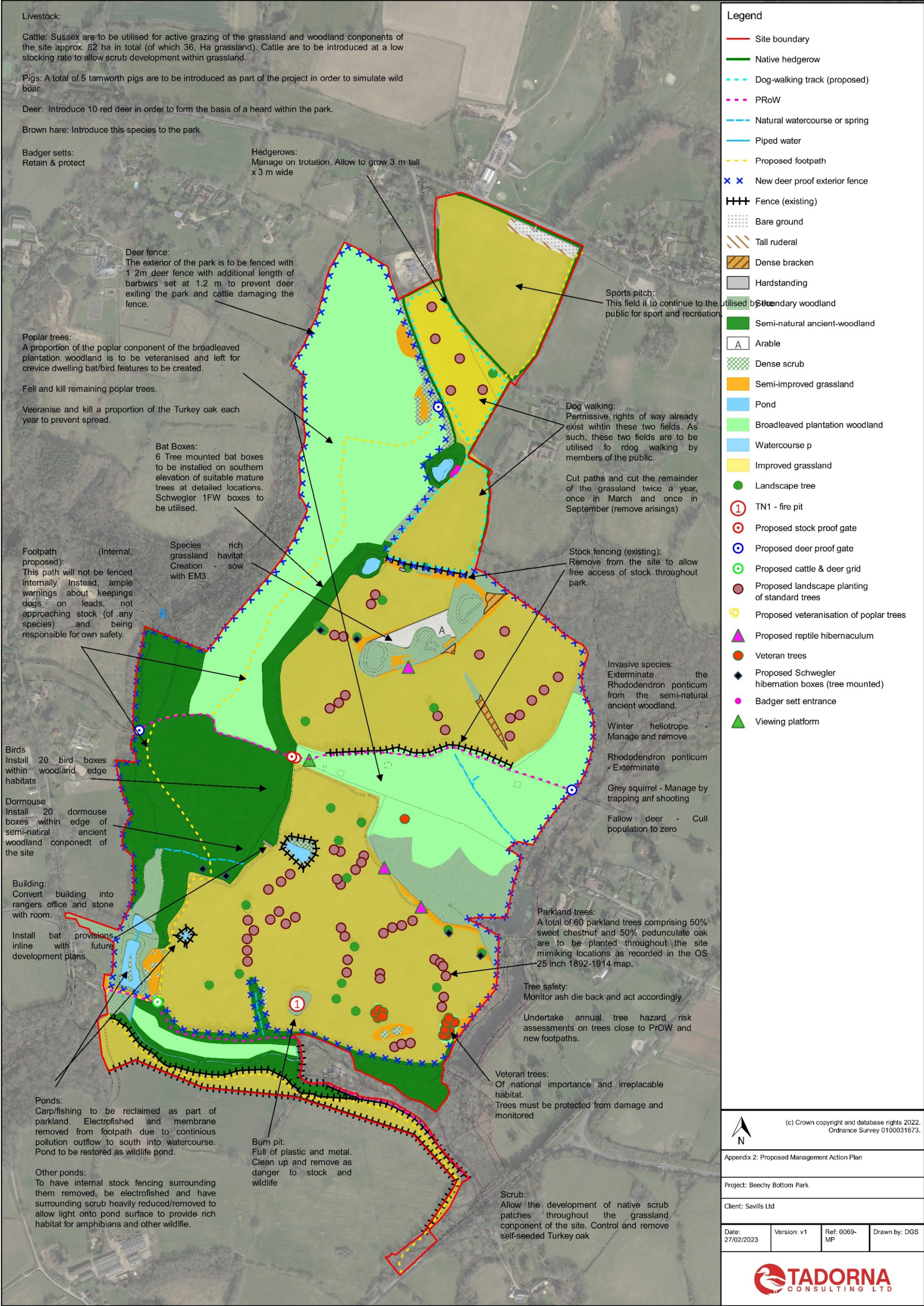




Appendix 3 – Desk Study

6.1 Fauna & Flora

6.1.1 Fauna

Table 7 below summarises the desk study records for notable animal species returned by SxBRC.

Table 7: Notable animal records provided by SxBRC

Amphibians	Conservation Status	Record Details
Common frog <i>Rana temporaria</i>	WCA Sch5 s9.5a	14 records
Common toad <i>Bufo bufo</i>	WCA Sch5 s9.5a, NERC S41, UK BAP Priority	5 records
Great crested newt <i>Triturus cristatus</i>	Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a, NERC S41, UK BAP Priority	1 record
Palmate newt <i>Lissotriton helveticus</i>	WCA Sch5 s9.5a	2 records
Smooth newt <i>Lissotriton vulgaris</i>	WCA Sch5 s9.5a	11 records
Fish	Conservation Status	Record Details
Brook lamprey <i>Lampetra planeri</i>		
Invertebrates	Conservation Status	Record Details
Brown hairstreak <i>Thecla betulae</i>	WCA Sch5 s9.5a, NERC S41, UK BAP Priority, RedList GB post2001 VU, Sussex Rare	10 records
Common darter <i>Sympetrum striolatum</i>	RedList GB post2001 DD	3 records
Dingy skipper <i>Erynnis tages</i>	NERC S41, UK BAP Priority, RedList GB post2001 VU	1 record
<i>Dolichovespula media</i>	Notable A, Sussex Rare	2 records
Downy emerald <i>Cordulia aenea</i>	Sussex Rare	2 records
Ear moth <i>Amphipoea oculatea</i>	NERC S41, UK BAP Priority	1 record
Four-banded flower bee <i>Anthophora quadrimaculata</i>	Notable B, Sussex Rare	2 records
<i>Gorytes laticinctus</i>	RedList GB Pre94 R	1 record
Green dock beetle <i>Gastrophysa viridula</i>	Sussex Rare	1 record
Knot grass <i>Acronicta rumicis</i>	NERC S41, UK BAP Priority	1 record
Large tortoiseshell <i>Nymphalis polychloros</i>	WCA Sch5 s9.5a, RedList GB post2001 RE, Sussex Rare	1 record
Minor shoulder-knot <i>Brachylomia viminalis</i>	NERC S41, UK BAP Priority	1 record
Orange-vented mason bee <i>Osmia leaiana</i>	Sussex Rare	1 record
<i>Poecilium alni</i>	Notable B, Sussex Rare	1 record
Purple emperor <i>Apatura iris</i>	WCA Sch5 s9.5a, RedList GB post2001 NT, Sussex Rare	3 records
Red-girdled mining bee <i>Andrena labiata</i>	Notable A, Sussex Rare	2 records
Roesel's Bush-cricket <i>Roeseliana roeselii</i>	Sussex Rare	3 records
Small heath <i>Coenonympha pamphilus</i>	NERC S41, UK BAP Priority, RedList GB post2001 NT	6 records
Stag beetle <i>Lucanus cervus</i>	WCA Sch5 s9.5a, NERC S41, UK BAP Priority, Nat Scarce, Sussex Rare	1 record
<i>Tillus elongatus</i>	Nat Scarce, Sussex Rare	1 record

White admiral <i>Limenitis camilla</i>	NERC S41, UK BAP Priority, RedList GB post2001 VU	23 records
False mocha <i>Cyclophora porata</i>	NERC S41, UK BAP Priority	1 record
Figure of eight <i>Diloba caeruleocephala</i>	NERC S41, UK BAP Priority	2 records
Ghost moth <i>Hepialus humuli</i>	NERC S41, UK BAP Priority	3 records
Marbled coronet <i>Hadena confusa</i>	Sussex Rare	1 record
Small emerald <i>Hemistola chrysoprasaria</i>	NERC S41, UK BAP Priority	2 records
Small phoenix <i>Ecliptopera silaceata</i>	NERC S41, UK BAP Priority	4 records
Small square-spot <i>Diarsia rubi</i>	NERC S41, UK BAP Priority	134 records
Banded general <i>Stratiomys potamida</i>	Sussex Rare	1 record
Blood-vein <i>Timandra comae</i>	NERC S41, UK BAP Priority	16 records
Brindled beauty <i>Lycia hirtaria</i>	NERC S41, UK BAP Priority	3 records
Buff ermine <i>Spilosoma lutea</i>	NERC S41, UK BAP Priority	106 records
Cijnnabar <i>Tyria jacobaeae</i>	NERC S41, UK BAP Priority	13 records
Common wainscot <i>Mythimna pallens</i>	Sussex Rare	61 records
<i>Ctenophora flaveolata</i>	RedList GB Pre94 VU, Sussex Rare	2 records
Dot moth <i>Melanchra persicariae</i>	NERC S41, UK BAP Priority	18 records
Golden-haired Robberfly <i>Choerades marginatus</i>	Nat Scarce, Sussex Rare	1 record
<i>Grypocoris (Lophyromiris) stysi</i>	Sussex Rare	3 records
<i>Gymnosoma rotundatum</i>	RedList GB Pre94 R, Sussex Rare	10 records
L-album wainscot <i>Mythimna l-album</i>	Sussex Rare	5 records
<i>Limnophila pictipennis</i>	Notable, Sussex Rare	1 record
Lunar thorn <i>Selenia lunularia</i>	Sussex Rare	13 records
<i>Molophilus propinquus</i>	Notable, Sussex Rare	1 record
Northern yellow splinter <i>Lipsothrix errans</i>	UK BAP Priority, Notable, Sussex Rare	1 record
Oak hook-tip <i>Watsonalla binaria</i>	NERC S41, UK BAP Priority	7 records
<i>Pilaria fuscipennis</i>	Notable, Sussex Rare	1 record
River-shore crane fly <i>Rhabdomastix japonica</i>	UK BAP Priority, RedList GB Pre94 R, Sussex Rare	1 record
Rosy minor <i>Litoligia literosa</i>	NERC S41, UK BAP Priority	22 records
Satin lutestring <i>Spilosoma urticae</i>	Sussex Rare	1 record
<i>Scleroprocta pentagonalis</i>	RedList GB Pre94 R, Sussex Rare	1 record
Shoulder striped wainscot <i>Leucania comma</i>	NERC S41, UK BAP Priority	7 records
<i>Tricyphona unicolor</i>	Notable, Sussex Rare	1 record
Water ermine <i>Spilosoma urticae</i>	Sussex Rare	5 records
White ermine <i>Spilosoma lubricipeda</i>	NERC S41, UK BAP Priority	98 records
Mammals	Conservation Status	Record Details
European rabbit <i>Oryctolagus cuniculus</i>	RedList Global post2001 NT	15 records
Brown long-eared bat <i>Plecotus auritus</i>	Hab Dir A4, Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a, NERC S41, UK BAP Priority	28 records
Common pipistrelle <i>Pipistrellus pipistrellus</i>	Hab Dir A4, Hab Reg Sch2, NERC S41, WCA Sch5 s9.4b/s9.4c/s9.5a, UK BAP Priority	30 records

Hazel dormouse <i>Muscardinus avellanarius</i>	Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a, NERC S41, UK BAP Priority, RedList GB post2001 VU	13 records
Nathusius's pipistrelle <i>Pipistrellus nathusii</i>	Hab Dir A4, Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a, RedList GB post2001 NT	2 records
Natterer's Bat <i>Myotis nattereri</i>	Hab Dir A4, Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a	1 records
Noctule Bat <i>Nyctalus noctula</i>	Hab Dir A4, Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a, NERC S41, UK BAP Priority	5 records
Serotine <i>Eptesicus serotinus</i>	Hab Dir A4, Hab Reg Sch2, WCA Sch5, s9.4b/s9.4c/s9.5a, RedList GB post2001 VU	5 records
Soprano pipistrelle <i>Pipistrellus pygmaeus</i>	Hab Dir A4, Hab Reg Sch2, NERC S41, WCA Sch5 s9.4b/s9.4c/s9.5a, UK BAP Priority	10 records
Unidentified bat species <i>Chiroptera</i>	Hab Dir A2 NP, Hab Dir A4, Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a, NERC S41, UK BAP Priority, RedList GB post2001 CR, RedList GB post2001 EN, RedList GB post2001 VU, RedList GB post2001 NT, RedList GB post2001 DD	11 records
Unidentified long-eared bat sp. <i>Plecotus</i> sp.	Hab Dir A4, Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a, NERC S41, UK BAP Priority, RedList GB post2001 EN	7 records
Unidentified <i>Myotis</i> sp.	Hab Dir A2 NP, Hab Dir A4, Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a, NERC S41, UK BAP Priority, RedList GB post2001 CR, RedList GB post2001 DD	5 records
Unidentified pipistrelle sp. <i>Pipistrellus</i> sp.	Hab Dir A4, Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a, NERC S41, UK BAP Priority, RedList GB post2001 NT	3 records
West European hedgehog <i>Erinaceus europaeus</i>	NERC S41, UK BAP Priority, RedList GB post2001 VU	16 records
Whiskered Bat <i>Myotis mystacinus</i>	Hab Dir A4, Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a, RedList GB post2001 DD	1 record
Whiskered/Brandt's bat <i>Myotis mystacinus/brandtii</i>	Hab Dir A4, Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a	2 records
Reptiles	Conservation Status	Record Details
Adder <i>Vipera berus</i>	WCA Sch5 s9.1/s9.1 kill/s9.5a, NERC S41, UK BAP Priority	4 records

Common lizard <i>Zootoca vivipara</i>	WCA Sch5 s9.1/s9.1 kill/s9.5a, NERC S41, UK BAP Priority	1 record
Grass snake <i>Natrix helvetica</i>	WCA Sch5 s9.1/s9.1 kill/s9.5a, NERC S41, UK BAP Priority	25 records
Slow-worm <i>Anguis fragilis</i>	WCA Sch5 s9.1/s9.1 kill/s9.5a, NERC S41, UK BAP Priority	2 records
Birds	Conservation Status	Record Details
Barn owl <i>Tyto alba</i>	Notable Bird	28 records
Bittern <i>Botaurus stellaris</i>	WCA Sch1 Pt1, NERC S41, UK BAP Priority, Bird Amber, Notable Bird	2 records
Black-headed gull <i>Chroicocephalus ridibundus</i>	Bird Amber, Notable Bird	2 records
Bullfinch <i>Pyrrhula pyrrhula</i>	NERC S41, UK BAP Priority, Bird Red, Notable Bird	46 records
Common gull <i>Larus canus</i>	Bird Amber, Notable Bird	4 records
Corn bunting <i>Emberiza calandra</i>	NERC S41, UK BAP Priority, Bird Red, Notable Bird	2 records
Crossbill <i>Loxia curvirostra</i>	Notable Bird	1 record
Cuckoo <i>Cuculus canorus</i>	NERC S41, UK BAP Priority, Bird Red, Notable Bird	24 records
Curlew <i>Numenius arquata</i>	NERC S41, UK BAP Priority, RedList Global post2001 NT, Bird Red, Notable Bird	1 record
Dunnock <i>Prunella modularis</i>	NERC S41, UK BAP Priority, Bird Amber, Notable Bird	96 records
Firecrest <i>Regulus ignicapilla</i>	WCA Sch1 Pt1, Notable Bird	1 record
Green woodpecker <i>Picus viridis</i>	Notable Bird	125 records
Grey wagtail <i>Motacilla cinerea</i>	Bird Amber, Notable Bird	18 records
Hawfinch <i>Coccothraustes coccothraustes</i>	NERC S41, UK BAP Priority, Bird Red, Notable Bird	4 records
Herring gull <i>Larus argentatus</i>	NERC S41, UK BAP Priority, Bird Red, Notable Bird	4 records
Hobby <i>Falco subbuteo</i>	WCA Sch1 Pt1, Notable Bird	24 records
House martin <i>Delichon urbicum</i>	Bird Red, Notable Bird	38 records
House sparrow <i>Passer domesticus</i>	NERC S41, UK BAP Priority, Bird Red, Notable Bird	97 records
Kestrel <i>Falco tinnunculus</i>	Bird Amber, Notable Bird	52 records
Kingfisher <i>Alcedo atthis</i>	WCA Sch1 Pt1, Notable Bird	21 records
Lapwing <i>Vanellus vanellus</i>	NERC S41, UK BAP Priority, Bird Red, Notable Bird	11 records
Lesser black-backed gull <i>Larus fuscus</i>	Bird Amber, Notable Bird	1 record
Lesser redpoll <i>Acanthis cabaret</i>	NERC S41, UK BAP Priority, Notable Bird	3 records
Linnet <i>Linaria cannabina</i>	NERC S41, UK BAP Priority, Bird Red, Notable Bird	15 records
Little grebe <i>Tachybaptus ruficollis</i>	Notable Bird	1 record
Long-eared owl <i>Asio otus</i>	Notable Bird	1 record
Mallard <i>Anas platyrhynchos</i>	Bird Amber, Notable Bird	71 records
Marsh tit <i>Poecile palustris</i>	NERC S41, UK BAP Priority, Bird Red, Notable Bird	39 records
Meadow pipit <i>Anthus pratensis</i>	Bird Amber, Notable Bird	1 record
Merlin <i>Falco columbarius</i>	WCA Sch1 Pt1, Bird Red	3 record

Mistle thrush <i>Turdus viscivorus</i>	Bird Red, Notable Bird	47 records
Mute swan <i>Cygnus olor</i>	Notable Bird	3 records
Nightingale <i>Luscinia megarhynchos</i>	Bird Red, Notable Bird	5 records
Red kite <i>Milvus milvus</i>	WCA Sch1 Pt1, RedList Global post2001 NT, Notable Bird	17 records
Redstart <i>Phoenicurus phoenicurus</i>	Bird Amber, Notable Bird	3 records
Red-throated diver <i>Gavia stellata</i>	WCA Sch1 Pt1	1 record
Reed bunting <i>Emberiza schoeniclus</i>	NERC S41, UK BAP Priority, Bird Amber, Notable Bird	5 records
Skylark <i>Alauda arvensis</i>	NERC S41, UK BAP Priority, Bird Red, Notable Bird	69 records
Snipe <i>Gallinago gallinago</i>	Bird Amber, Notable Bird	1 record
Song thrush <i>Turdus philomelos</i>	NERC S41, UK BAP Priority, Bird Amber, Notable Bird	123 records
Spotted flycatcher <i>Muscicapa striata</i>	NERC S41, UK BAP Priority, Bird Red, Notable Bird	9 records
Starling <i>Sturnus vulgaris</i>	NERC S41, UK BAP Priority, Bird Red, Notable Bird	75 records
Stock dove <i>Columba oenas</i>	Bird Amber, Notable Bird	60 records
Swallow <i>Hirundo rustica</i>	Notable Bird	53 records
Swift <i>Apus apus</i>	Bird Red, Notable Bird	31 records
Tawny owl <i>Strix aluco</i>	Bird Amber, Notable Bird	9 records
Tree pipit <i>Anthus trivialis</i>	NERC S41, UK BAP Priority, Bird Red, Notable Bird	1 record
Tree sparrow <i>Passer montanus</i>	NERC S41, UK BAP Priority, Bird Red, Notable Bird	1 record
Turtle dove <i>Streptopelia turtur</i>	NERC S41, UK BAP Priority, Bird Red, Notable Bird	10 records
Wheatear <i>Oenanthe oenanthe</i>	Bird Amber, Notable Bird	2 records
White fronted goose <i>Anser albifrons</i>	UK BAP Priority, Bird Red	1 record
Willow warbler <i>Phylloscopus trochilus</i>	Bird Amber, Notable Bird	16 records
Wood warbler <i>Phylloscopus sibilatrix</i>	NERC S41, UK BAP Priority, Bird Red, Notable Bird	1 record
Woodcock <i>Scolopax rusticola</i>	Bird Amber, Notable Bird	10 records
Woodlark <i>Lullula arborea</i>	WCA Sch1 Pt1, NERC S41, UK BAP Priority, Notable Bird	52 records
Yellowhammer <i>Emberiza citrinella</i>	NERC S41, UK BAP Priority, Bird Red, Notable Bird	50 records

Sussex Rare = Sussex Rare Species Inventory; **Red list** = IUCN Red list; **Vul** = (Vulnerable) designated when best available evidence indicates that it is considered to be facing a high risk of extinction in the wild; **UK Bap Priority** - The UK List of Priority Species contains 1150 species that have been listed as priorities for conservation action under the UK Biodiversity Action Plan (UK BAP); **NN** – nationally notable Species which are estimated to occur within the range of 16 to 100 10km squares, NNb - taxa which do not fall within Red Data Book categories but which are none-the-less uncommon in Great Britain and thought to occur in between 31 and 100 10km squares of the National Grid, **NNa** - Taxa which do not fall within Red Data Book categories but which are none-the-less uncommon in Great Britain and thought to occur in 30 or fewer 10km squares of the National Grid, **NS** – Nationally scarce Occurring in 16-100 hectads in Great Britain, **NR** – Nationally rare, Occurring in 15 or fewer hectads in Great Britain; **Vul** – vulnerable; **S41** – Section 41 Lists species “of principal importance for the purpose of conserving biodiversity”; **Sch5** – of the Wildlife & Countryside Act 1981;

6.1.2 Flora

Table 8 below summarises the desk study records for notable plants returned by SxBRC.

Table 8: Notable plant records provided by SxBRC

Higher Plant Species	Conservation Status	Record Details
Aggregate-headed hawkweed <i>Hieracium aggregatum</i>	Nat Rare	3 records
Autumn hawkweed <i>Hieracium sabaudum</i>	RedList ENG post 2001 EN, RedList ENG post 2001 NT	2 records
Autumn Lady's-tresses <i>Spiranthes spiralis</i>	RedList GB post 2001 NT, RedList ENG post 2001 NT	2 records
Bird's-nest Orchid <i>Neottia nidus-avis</i>	RedList GB post 2001 NT, RedList ENG post 2001 VU	1 record
Bitter-vetch <i>Lathyrus linifolius</i>	RedList ENG post 2001 NT	5 records
Bladder-sedge <i>Carex vesicaria</i>	RedList ENG post 2001 VU	1 record
Bluebell <i>Hyacinthoides non-scripta</i>	WCA Sch8	16 records
Box <i>Buxus sempervirens</i>	RedList GB post 2001 DD, RedList ENG post 2001 DD, Nat Rare, Sussex Rare	3 records
Broad-leaved Meadow-grass <i>Poa chaixii</i>	Sussex Rare	1 record
Broad-leaved spurge <i>Euphorbia platyphyllos</i>	Sussex Rare	1 record
Corn mint <i>Mentha arvensis</i>	RedList ENG post 2001 NT	10 records
Corn spurrey <i>Spergula arvensis</i>	RedList GB post 2001 VU, RedList ENG post 2001 VU	1 record
Des Etangs' St John's-wort <i>Hypericum perforatum x maculatum</i> = <i>H. x desetangsii</i>	Sussex Rare	1 record
Devil's-bit scabious <i>Succisa pratensis</i>	RedList ENG post2001 NT	6 records
Dyer's greenweed <i>Genista tinctoria</i>	RedList ENG post 2001 VU	8 records
Flea sedge <i>Carex pulicaris</i>	RedList ENG post 2001 NT, Sussex Rare	1 record
Goldenrod <i>Solidago virgaurea</i>	RedList ENG post 2001 NT	7 records
Hay-scented buckler-fern <i>Dryopteris aemula</i>	Sussex Rare	1 record
Heath milkwort <i>Polygala serpyllifolia</i>	RedList ENG post 2001 NT	1 record
Heather <i>Calluna vulgaris</i>	RedList ENG post 2001 NT	1 record
Lesser spearwort <i>Ranunculus flammula</i>	RedList ENG post 2001 VU	7 records
Quaking-grass <i>Briza media</i>	RedList ENG post 2001 NT	1 record
Ragged-robin <i>Silene flos-cuculi</i>	RedList ENG post 2001 NT	7 records
Rye brome <i>Bromus secalinus</i>	RedList GB post 2001 NT, RedList ENG post 2001 NT, Nat Scarce, Sussex Rare	1 record
Sanicle <i>Sanicula europaea</i>	RedList ENG post 2001 NT	5 records
Star sedge <i>Carex echinata</i>	RedList ENG post 2001 NT	1 record
Stinking chamomile <i>Anthemis cotula</i>	RedList GB post 2001 VU, RedList ENG post 2001 VU	1 record
Tormentil <i>Potentilla erecta</i>	RedList ENG post 2001 NT	10 records
Welsh poppy <i>Meconopsis cambrica</i>	Nat Scarce, Sussex Rare	2 records
Wild strawberry <i>Fragaria vesca</i>	RedList ENG post 2001 NT	11 records
Wood-sorrel <i>Oxalis acetosella</i>	RedList ENG post 2001 NT	13 records
Common valerian <i>Valeriana officinalis</i>	RedList ENG post2001 NT	1 record
Heath speedwell <i>Veronica officinalis</i>	RedList ENG post2001 NT	7 records

Lichen Species	Conservation Status	Record Details
<i>Verrucaria polysticta</i>	Nat Scarce	1 record
Lower Plant Species	Conservation Status	Record Details
Fringed heathwort <i>Ricciocarpos natans</i>	Sussex Rare	1 record
Fungi Species	Conservation Status	Record Details
Bay Polypore <i>Polyporus badius</i>	Sussex Rare	1 record
Devil's Fingers <i>Clathrus archeri</i>	Sussex Rare	1 record
<i>Pholiota adiposa</i>	Sussex Rare	1 record
Tiered Tooth <i>Hericium cirrhatum</i>	Sussex Rare	1 record
Invasive non-native Species	Conservation Status	Record Details
Cherry Laurel <i>Prunus laurocerasus</i>	Sussex INNS	12 records
Evergreen Oak <i>Quercus ilex</i>	Sussex INNS	2 records
False-acacia <i>Robinia pseudoacacia</i>	WCA Sch 9, INNS	1 record
Himalayan Balsam <i>Impatiens glandulifera</i>	WCA Sch 9, INNS	4 records
Himalayan Cotoneaster <i>Cotoneaster simonsii</i>	WCA Sch 9, INNS	1 record
Japanese Knotweed <i>Fallopia japonica</i>	WCA Sch 9, INNS	9 records
<i>Lamiastrum galeobdolon subsp. argentatum</i>	WCA Sch 9, INNS	8 records
Least Duckweed <i>Lemna minuta</i>	Sussex INNS	3 records
Montbretia <i>Crocasmia pottsii</i> x <i>aurea</i> = <i>C. x crocosmiiflora</i>	WCA Sch 9, INNS	8 records
New Zealand Pigmyweed <i>Crassula helmsii</i>	WCA Sch 9, INNS	1 record
Nuttall's Waterweed <i>Elodea nuttallii</i>	WCA Sch 9, INNS	1 record
Parrot's-feather <i>Myriophyllum aquaticum</i>	WCA Sch 9, INNS	1 record
Red Valerian <i>Centranthus ruber</i>	Sussex INNS	4 records
<i>Rhododendron ponticum</i>	WCA Sch 9, INNS	13 records
Spanish bluebell <i>Hyacinthoides non-scripta</i> x <i>hispanica</i> = <i>H. x massartiana</i>	Sussex INNS	3 records
Three-cornered Garlic <i>Allium triquetrum</i>	WCA Sch 9, INNS	1 record
Wall Cotoneaster <i>Cotoneaster horizontalis</i>	WCA Sch 9, INNS	2 records
Winter Heliotrope <i>Petasites fragrans</i>	Sussex INNS	7 records

WCA Sch9 = species listed in Schedule 9 of the Wildlife & Countryside Act 1981 (WCA) and 26 other species not in this Schedule but which pose a particular risk in Sussex; **Sussex Rare** = Sussex Rare Species Inventory; **Red list** = IUCN Red list; **Vul** = (Vulnerable) designated when best available evidence indicates that it is considered to be facing a high risk of extinction in the wild; **Sussex INNS** - Sussex invasive non-native species

Appendix 4 - Management schedule – Ecology and Habitats

Habitat/ compartment	Management Action	2023-2024	2025-2026	2027-2028	2029-2030	2031-2032	2033-2034	2035-2035	2037-2038	2039-2040	2041-2042	2043-2044	2045-2046	2047-2048
Plantation woodlands	Install external deer and stock fencing surrounding the entire site													
	Grey squirrel <i>Sciurus carolinensis</i> should also be managed through shooting and trapping to ensure the successful establishment of tree succession													
	Ring bark and veteranise all of the poplar trees and a proportion ash trees within the site each year (taking into account individual trees with bat roosting features). Leave cut wood in deadwood piles to create fallen deadwood habitat for invertebrate species.													
	Cut a series of rides and footpaths/cycling throughout the woodland to allow for woodland access and to let light to the woodland floor enhancing the woodland for a wide range of wildlife.													
	When old mature trees fall, the brash should be removed but the timber should be allowed to remain recreating deadwood to encourage the return of saproxylic invert species as well as recreate the lost habitat.													
	To allow standing deadwood within the canopy supporting a wide range of animal species.													
Secondary woodland	Cut a series of rides and footpaths/cycling throughout the woodland to allow for woodland access and to let light to the woodland floor enhancing the woodland for a wide range of wildlife.													
	Ring bark and veteranise a proportion of the Turkey oak and ash trees within the site each year (taking into account individual trees with bat roosting features). Leave cut wood in deadwood piles to create fallen deadwood habitat for invertebrate species.													
Semi-natural Ancient Woodland	Open up the existing old path network to allow for woodland access and to let light to the woodland floor enhancing the woodland for a wide range of wildlife.													
Grasslands	Grassland Compartment A: Allow this parcel to continue to be utilised as local sports facilities													
	Grassland Compartment B: Turn this parcel over to dog walkers. Cut paths and cut the remainder of the grassland twice a year, once in March and once in September (remove arisings)													
	Grassland Compartment C: Turn this parcel over to dog walkers. Cut paths and cut the remainder of the grassland twice a year, once in March and once in September (remove arisings)													
	Grassland Compartment D: Introduce mixed low-density cattle, deer and pig grazing within these compartments. Ensure that no ivermectin wormers are used within the livestock population.													
	Grassland Compartment E: Introduce mixed low-density cattle, deer and pig grazing within these compartments. Ensure that no ivermectin wormers are used within the livestock population.													
	Grassland Compartment F: Introduce mixed low-density cattle, deer and pig grazing within these compartments. Ensure that no ivermectin wormers are used within the livestock population.													
Arable	Re-sow the existing arable habitat with Emorsgate EM3 – Special General Purpose Meadow Mixture in order to create a seed source for the remainder of the improved/modified grasslands located on site.	either	or											
	Manage as grassland by low-density grazing (going forward)													
Ponds	Remove stock fencing from ponds located within grassland compartments as well as a proportion of the dense scrub currently surrounding the ponds to allow light and flight-paths for bird species and the development of floating and emergent plant species.													
	The two ponds currently utilised as coarse fishing ponds are to be subject to electrofishing to humanely remove the fish currently present. These can be transported offsite and used to stock offsite ponds	Either	Or											
Watercourse	The two ponds currently utilised as coarse fishing ponds are to be subject to electrofishing to humanely remove the fish currently present. These can be transported offsite and used to stock offsite ponds	Either	Or											
Veteran trees	These trees <u>must be</u> retained, monitored, studied and protected going forward. The fallen deadwood accumulations should be left in-situ in order to preserve the saproxylic invertebrates that likely already exist here.													
Parkland trees	Commence a wide program of re-planting is undertaken with at least 60 trees being planted in order to re-create the wood-pasture landscape that previously existed on site. Include appropriate tree protection 9stock proof)													

Habitat/ compartment	Management Action	2023-2024	2025-2026	2027-2028	2029-2030	2031-2032	2033-2034	2035-2035	2037-2038	2039-2040	2041-2042	2043-2044	2045-2046	2047-2048
Dense bracken	Allow this habitat will spread within the grassland component of the site and form a matrix with scrub, grassland and woodland. If this habitat becomes too dominant after year 10, roll a proportion (10%) per year to manage overall cover. If required, burn bracken leaf litter using the 'mini burn' code.													
Native hedgerows	It is recommended that all of the hedgerows are allowed to grow tall and bushy, with the hedgerows of more recent origin allowed to develop to be 3 m tall x 3 m wide. Manage on rotation to allow existing pedestrian access to continue within Grassland Compartments A – C.													
Dense scrub	It is envisaged that pockets of scrub be allowed to develop across the grassland component of the site and woodland edges prior to the introduction of stock animals (red deer, cattle etc) on site													
Burn pit	Remove rubbish from burn pit to make safe for stock and wild animals													
Species														
Amphibians	Construction of reptile hibernacula.													
Bats	Install x 6 Schwegler 1FW boxes within semi-natural ancient woodland edge													
Badger	Retain sett within woodland													
Birds	Install 20 bird boxes within the woodlands/woodland edge													
Dormouse	Install / create 20 dormouse boxes within the woodlands/woodland edge habitats													
Reptiles	Methods outlined within section 5 have significant benefits for reptile species.													
Invertebrates	Methods outlined within section 5 have significant benefits for invertebrate species.													
Ash dieback	Monitor Ash Dieback Disease and act accordingly.													
Invasive plant species	Exterminate the <i>Rhododendron ponticum</i> from the semi-natural ancient woodland located on site by cutting and treating the stumped with herbicide. Continue until this species has been removed entirely.				Until target achieved									
	Winter heliotrope - Managing the plant is best achieved via herbicide treatment and/or regular mechanical cutting of plants, which will over time weaken and destroy the plant by not allowing photosynthesis													
	Grey squirrel – Use a combination of trapping and shooting to reduce the impact of this species and maintain a low population level												On going	
	Cull fallow deer population (post deer fence installation) intensive culling of the deer population to remove this species from the proposes park. Focus on females during the fallow deer open season (1 st November – 31 st March each year) to actively reduce the population.													
Risk and condition assessments	Periodic annual risk and condition assessments of trees which have the potential to cause harm to persons or property need to be carried out by an Arboricultural Consultant on an annual basis. Particular regard for the safety for path users should be considered.													

