



Ashfield Land Management and Gazeley GLP Northampton s.à.r.l

Annex A: Background Data Search Report (Part 1 - Main SRFI Site)

Rail Central

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RSK

RSK GENERAL NOTES

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1 METHODS

Background Data Search

A search was made in January 2018 for reference materials relating to the ecology of the study area (*Figure A1*), and a list of sources is given in *Table A1*.

Table A1: Data Sources

Information Obtained	Available From
Protected and Noteworthy species-records	Northamptonshire Biodiversity Records Centre
Designated site locations and citations	Natural England website
Designated site locations and citations	Northamptonshire Biodiversity Records Centre
Designations and legal protection of noteworthy species	Joint Nature Conservation Committee (JNCC) website
Details of species and habitats listed on the LBAP	Local BAP website

A search was made for information on International statutory designated sites, important globally for ecology within 10 km of the site boundary. National statutory designated sites that are important nationally were searched for within 5 km of the site boundary and non-statutory designated sites, often important in a local context, were searched for within 2 km of the site boundary. A search was made for records of noteworthy species within the same 2 km area extending to 5 km for Bats. Species included in the search parameters were:

- European protected species (listed on *Schedules 2 and 4 of The Conservation of Habitats and Species (Amendment) Regulations 2012*);
- Nationally protected species under *Schedules 1, 5 and 8 of The Wildlife & Countryside Act 1981* and *The Protection of Badgers Act 1992*;
- Species listed as Critically Endangered, Endangered or Vulnerable on the *IUCN 2001 Red List*
- All species listed on the RSPB *Birds of Conservation Concern 4* as Red or Amber;
- Species listed on *The Convention for the Protection of the Marine Environment of the North-East Atlantic* (the OSPAR Convention);
- Nationally Rare or Nationally Scarce species;
- Notable invertebrates; and
- Species of Principal Importance under *The Natural Environment and Rural Communities (NERC) Act (2006)* or Priority Species under the Local Biodiversity Action Plan.

2 RESULTS

Background Data Search

Biodiversity Action Plans

Habitats that might qualify as Habitats of Principal importance (Habitats of Principal Importance) under *The Natural Environment and Rural Communities (NERC) Act (2006)* are Hedgerows, Arable Field Margins, and Rivers and Ponds.

The latest Northamptonshire local biodiversity action plan (LBAP) lists 16 Habitat Action Plans (HAPs) and two Species Action Plans (SAPs). The local HAPs and SAPs that are relevant to the proposed development are;

Habitats:

- Arable field margins
- Eutrophic standing waters
- Floodplain grazing marsh
- Hedgerows
- Lowland calcareous grassland
- Lowland dry acid grassland
- Lowland fen
- Lowland heathland
- Lowland meadow
- Lowland mixed deciduous woodland
- Open mosaic habitats on previously developed land
- Ponds
- Reedbed
- Rivers
- Traditional orchards
- Wet woodland
- Wood-pasture and parkland

Species

- *Physcia clementii* (a Lichen)
- Barn Owl
- Black Hairstreak
- Black Poplar
- Plot's Elm
- Lime Bark Beetle
- Nightingale

Designated Sites

Statutory Sites

There are 2 international statutory designated sites within 10km of the site boundary, comprising 1 RAMSAR and 1 Special Protection Area (SPA). There are also 5 national statutory designated sites within 5 km of the site boundary, comprising 2 Sites of Special Scientific Interest (SSSI) and 3 Local Nature Reserves (LNR). These sites are shown on *Figure A2.1* and are listed in *Table A2* in order of proximity to the site; short descriptions (when available) are given for the sites within 2km of the site boundary.

Table A2: Statutory Designated Sites

Site Name	Designation	Approximate Distance (m)
Road Cutting	SSSI	On site
This is a new site identified as of national importance in the Geological Conservation Review. Road Cutting exhibits one of the most complete Bathonian (Middle Jurassic) sections in central Northamptonshire, potentially exhibiting complete Rutland Formation and White Limestone sections together with the basal Forest Marble (Blisworth Clay). The cutting is particularly important because it shows the typical rhythmic rock units developed within the Rutland Formation in this area.		
Blisworth Rectory Farm Quarry	SSSI	1460
This is a new site identified as being of national importance in the Geological Conservation Review. The site exposes one of the most interesting White Limestone Formation (Bathonian) sections in the English Midlands.		
Tiffield Pocket Park	LNR	2270
Storton's Pits	LNR	4060
Barnes Meadow	LNR	4730
Upper Nene Valley Gravel Pits	RAMSAR & SPA	5930

SSSI Impact Risk Zones

There are several SSSIs in the wider area. The site intersects two of these SSSI Impact Risk Zones for these sites. In the south eastern corner of the site there is a small area of 1ha; Natural England will need to be consulted for "all planning applications" within this area. For the rest of the site Natural England will need to be consulted if the proposed works meets any of the following criteria.

- Airports, helipads and other aviation proposals.
- Solar schemes with footprint > 0.5ha, all wind turbines.
- Pig & poultry units, slurry lagoons > 4000m³
- General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.

- Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.
- Any discharge of water or liquid waste that is more than 20m³/day. The water needs to either be discharged to ground (i.e. to seep away) or to surface water, such as a beck or stream. Discharges to mains sewer are excluded.

Non-statutory Sites

There are 27 non-statutory designated sites within 2 km of the site boundary, comprising 4 Local Wildlife Sites (LWS) and 23 Potential Wildlife Sites (pWS). They are listed in *Table A3* in order of proximity to the site; short descriptions are given for the sites within 1km of the site boundary. Some areas identified as potential wildlife sites have not been assessed by the designating authority and therefore full descriptions are unavailable.

Table A3: Non-Statutory Designated Sites

Site Name	Designation	Approximate Distance (m)
241	pWS	On site
No description available for this potential wildlife site. The site is located in the South West corner of the proposed development area. Aerial imagery appears to show a mosaic of scrub and grassland.		
Roade Cutting	pWS	On site
<p>This narrow arm of the Grand Union connects the main Grand Union Canal with the River Nene via Northampton City. Despite its usefulness as a through fare the locks are neglected and frequently stopped and the waterway at the city end has litter hazards and rampant aquatic vegetation; on the whole it seems the waterway is not used.</p> <p>Located in the southeastern corner of the site Roade Cutting is a nationally important geological SSSI, identified in the Geological Conservation Review. A virtually complete Middle Jurassic Limestone section is present, exhibiting complete Rutland Formation and White Limestone sections, plus the Blisworth Clay underneath. The site is therefore of great value for the study of the formation and deposition that occurred to create the relationship between the layers visible. See SSSI sheet for full details. Possibly the most important geological SSSI in the county.</p>		
Grand Union Canal - Northampton Arm	LWS	<10
This narrow arm of the Grand Union connects the main Grand Union Canal with the River Nene via Northampton City. Despite its usefulness as a through fare the locks are neglected and frequently stopped and the waterway at the city end has litter hazards and rampant aquatic vegetation; on the whole it seems the waterway is not used.		
238	pWS	<10
No description available for this potential wildlife site. The site is located adjacent to the central northern boundary of the proposed development area. Aerial imagery appears to show an area of trees, scrub and grassland with a possible wet area.		
240	pWS	<10
No description available for this potential wildlife site. The site is located to the South West of the proposed development area on the far side of the Grand Union Canal. Aerial		

Site Name	Designation	Approximate Distance (m)
imagery appears to show an area of woodland with possible clearings of scrub or grassland. Given the close proximity to the Grand Union Canal there might also be wet areas.		
242	pWS	15
No description available for this potential wildlife site. The site is located to the south of the proposed development area. Aerial imagery appears to show a strip of woodland adjacent to the railway and field.		
236	pWS	90
No description available for this potential wildlife site. The site is located to the east of the proposed development area. Aerial imagery appears to show a small area of woodland.		
Gayton Meadow	pWS	230
Unmanaged grassland with a mixture of wet and dry grassland species including abundant marsh thistle. 5 neutral grassland indicators in total. Site retained as a PWS.		
Gayton Reserve Lake	LWS	390
A small lake and associated wetland area forming a useful wildlife habitat on the edge of the caravan site. The lake qualifies as a Wildlife Site due to its A8 aquatic community and the wetland vegetation which contains 10 wetland indicator species.		
250	pWS	650
No description available for this potential wildlife site. The site is located to the north west of the proposed development area. Aerial imagery appears to show a small area of woodland.		
237	pWS	650
No description available for this potential wildlife site. The site is located to the east of the proposed development area. Aerial imagery suggests that the site is Courteenhall Farm, habitats appear to include woodlands and field pastures with scattered trees.		
246	pWS	730
No description available for this potential wildlife site. The site is located to the west of the proposed development area. Aerial imagery appears to show a small area of woodland.		
Roade Field	pWS	830
No description available for this potential wildlife site. The site is located to the south west of the proposed development area. Aerial imagery appears to show a grassy field bordered by hedgerows.		
Collingtree	pWS	1010
249	pWS	1040
Junction 15 Grassland	pWS	1040
239	pWS	1110
243	pWS	1140
Collingtree Golf Course	LWS	1210
248	pWS	1210

Site Name	Designation	Approximate Distance (m)
Blisworth Rectory Farm Quarry	pWS	1370
244	pWS	1380
234	pWS	1650
Wootton Railway Embankments	LWS	1730
Grange Wood (Penn Valley)	pWS	1800
247	pWS	1950
Land adjacent to Wootton Railway Embankment	pWS	1990

Other Notable Sites

There are no areas of ancient woodland within 2k of the site boundary.

Protected and Noteworthy Species

At least 99 protected or noteworthy species are recorded from places within 2 km of the site boundary, extending to 5km for bats. Of these, 2 are amphibians, 22 are birds, 1 is a crustacean, 1 is a fish, 13 are invertebrates, 13 are mammals (of these 9 are bats), 46 are plants and 1 is a reptile. Species that are protected by law under *Schedules 2 and 5 of The Conservation of Habitats and Species (Amendment) Regulations 2012*, *Schedules 2, 5 and 8 of The Wildlife and Countryside Act 1981* or *The Protection of Badgers Act 1992* and have been recorded in the search area are listed in the *Table A4* below (excluding species protected only against collection for sale); a full species list is given in *Appendix A*.

Table A4: Protected Species Records

Latin Name	Common Name	Designation	Within 100m	Within 2km	Within 5km (bats only)
Amphibians					
<i>Triturus cristatus</i>	Great Crested Newt	EPS (Sch2), WCA5		☒	
Birds					
<i>Alcedo atthis</i>	Kingfisher	WCA1.1		☒	
<i>Falco columbarius</i>	Merlin	WCA1.1	P	☒	
<i>Falco subbuteo</i>	Hobby	WCA1.1		P	
<i>Tyto alba</i>	Barn Owl	WCA1.1		P	
Crustacean					
<i>Austropotamobius pallipes</i>	White-clawed Crayfish	WCA5		☒	
Mammals					
<i>Arvicola amphibius</i>	European Water Vole	WCA5	P	☒	

Latin Name	Common Name	Designation	Within 100m	Within 2km	Within 5km (bats only)
<i>Barbastella barbastellus</i>	Barbastelle Bat	EPS (Sch2), WCA5			P
<i>Lutra lutra</i>	European Otter	EPS (Sch2), WCA5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<i>Myotis daubentonii</i>	Daubenton's Bat	EPS (Sch2), WCA5	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>Myotis mystacinus / brandti</i>	Whiskered/Brandt's Bat	EPS (Sch2), WCA5			<input checked="" type="checkbox"/>
<i>Myotis nattereri</i>	Natterer's Bat	EPS (Sch2), WCA5	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>Nyctalus noctula</i>	Noctule Bat	EPS (Sch2), WCA5		P	<input checked="" type="checkbox"/>
<i>Pipistrellus pipistrellus</i>	Common Pipistrelle	EPS (Sch2), WCA5		P	<input checked="" type="checkbox"/>
<i>Pipistrellus pygmaeus</i>	Soprano Pipistrelle	EPS (Sch2), WCA5	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>Pipistrellus sp.</i>	Pipistrelle Bat Species	EPS (Sch2), WCA5	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>Plecotus auritus</i>	Brown Long-eared Bat	EPS (Sch2), WCA5	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Plants					
<i>Lactuca saligna</i>	Least Lettuce	WCA8		<input checked="" type="checkbox"/>	
Reptiles					
<i>Natrix natrix</i>	Grass Snake	WCA5	P	<input checked="" type="checkbox"/>	

Note - P relates to records with 4 figure or tetrad grid references that could potentially be anywhere within a 1 km or 2 km square.

APPENDIX A – NOTEWORTHY SPECIES RECORDS

Table A5 lists all protected and noteworthy species records within the 2 km search area, extending to 5 km for bats. The Latin and common names for species are given as well as their level of designation. A glossary defining abbreviations used in the table is given in Table A6, Appendix B. If a species is not included in the table below it does not necessarily mean the species is absent from the search area, but rather that data-holding organizations do not have records of it in these locations.

Table A5: All Protected and noteworthy Species Records:

Latin Name	Common Name	Designation
Amphibians		
<i>Bufo bufo</i>	Common Toad	WCA5, S41
<i>Triturus cristatus</i>	Great Crested Newt	EPS(Sch2), WCA5, S41
Birds		
<i>Acanthis flammea</i>	Common (Mealy) Redpoll	Amber
<i>Alcedo atthis</i>	Kingfisher	WCA1.1, Amber
<i>Anas platyrhynchos</i>	Mallard	Amber
<i>Cuculus canorus</i>	Cuckoo	S41, Red
<i>Delichon urbicum</i>	House Martin	Amber
<i>Emberiza citrinella</i>	Yellowhammer	S41, Red
<i>Falco columbarius</i>	Merlin	WCA1.1, Red
<i>Falco subbuteo</i>	Hobby	WCA1.1
<i>Falco tinnunculus</i>	Kestrel	Amber
<i>Motacilla cinerea</i>	Grey Wagtail	Red
<i>Motacilla flava</i>	Yellow Wagtail	S41, Red
<i>Muscicapa striata</i>	Spotted Flycatcher	S41, Red
<i>Passer domesticus</i>	House Sparrow	S41, Red
<i>Perdix perdix</i>	Grey Partridge	S41, Red
<i>Poecile montana</i>	Willow Tit	S41, Red
<i>Prunella modularis</i>	Dunnock	S41, Amber
<i>Pyrrhula pyrrhula</i>	Bullfinch	S41, Amber
<i>Sterna hirundo</i>	Common Tern	Amber
<i>Streptopelia turtur</i>	Turtle Dove	S41, Red
<i>Sturnus vulgaris</i>	Starling	S41, Red
<i>Turdus philomelos</i>	Song Thrush	S41, Red
<i>Tyto alba</i>	Barn Owl	WCA1.1, Amber
Crustacean		
<i>Austropotamobius pallipes</i>	White-clawed Crayfish	WCA5, S41
Fish		
<i>Anguilla anguilla</i>	European Eel	S41, OSPAR

Latin Name	Common Name	Designation
Invertebrates		
<i>Abraxas sylvata</i>	Clouded Magpie	Locally notable
<i>Acronicta rumicis</i>	Knot Grass	S41
<i>Adscita statice</i>	Forester	S41
<i>Atolmis rubricollis</i>	Red-necked Footman	Locally notable
<i>Cirrhia gilvago</i>	Dusky-lemon Sallow	S41
<i>Coenonympha pamphilus</i>	Small Heath	S41
<i>Eupithecia valerianata</i>	Valerian Pug	Locally notable
<i>Gyrinus aeratus</i>	Gyrinus aeratus	NS
<i>Lasiommata megera</i>	Wall	S41
<i>Leptidea sinapis</i>	Wood White	WCA5, S41, GB RDB(EN)
<i>Microvelia (Microvelia) pygmaea</i>	Microvelia (Microvelia) pygmaea	Notable:B
<i>Satyrus pruni</i>	Black Hairstreak	WCA5, GB RDB(EN)
<i>Synanthedon myopaeformis</i>	Red-belted Clearwing	Locally notable
Mammals		
<i>Arvicola amphibius</i>	European Water Vole	WCA5, S41
<i>Barbastella barbastellus</i>	Barbastelle Bat	EPS(Sch2), WCA5, S41
<i>Erinaceus europaeus</i>	West European Hedgehog	S41
<i>Lepus europaeus</i>	Brown Hare	S41
<i>Lutra lutra</i>	European Otter	EPS(Sch2), WCA5, S41
<i>Myotis daubentonii</i>	Daubenton's Bat	EPS(Sch2), WCA5
<i>Myotis mystacinus / brandti</i>	Whiskered/Brandt's Bat	EPS(Sch2), WCA5
<i>Myotis nattereri</i>	Natterer's Bat	EPS(Sch2), WCA5
<i>Nyctalus noctula</i>	Noctule Bat	EPS(Sch2), WCA5, S41
<i>Pipistrellus pipistrellus</i>	Common Pipistrelle	EPS(Sch2), WCA5
<i>Pipistrellus pygmaeus</i>	Soprano Pipistrelle	EPS(Sch2), WCA5, S41
<i>Pipistrellus sp.</i>	Pipistrelle Bat Species	EPS(Sch2), WCA5
<i>Plecotus auritus</i>	Brown Long-eared Bat	EPS(Sch2), WCA5, S41
Plants, Trees, Moss and Lichens		
<i>Agrostis vinealis</i>	Brown Bent	Locally notable
<i>Aira praecox</i>	Early Hair-grass	Locally notable
<i>Aquilegia vulgaris</i>	Columbine	Locally notable
<i>Briza media</i>	Quaking-grass	Locally notable
<i>Bromus racemosus</i>	Smooth Brome	Locally notable
<i>Campanula rotundifolia</i>	Harebell	Locally notable
<i>Carex pulicaris</i>	Flea Sedge	Locally notable
<i>Carex rostrata</i>	Bottle Sedge	Locally notable
<i>Carlina vulgaris</i>	Carlina Thistle	Locally notable
<i>Ceratodon conicus</i>	Scarce Redshank	S41, GB RDB(CR), NR
<i>Chenopodium bonus-henricus</i>	Good-King-Henry	GB RDB(VU), ENG BSBI RDB(VU)
<i>Deschampsia flexuosa</i>	Wavy Hair-grass	Locally notable
<i>Equisetum sylvaticum</i>	Wood Horsetail	Locally notable
<i>Fragaria vesca</i>	Wild Strawberry	Locally notable

Latin Name	Common Name	Designation
<i>Hyacinthoides non-scripta</i>	Bluebell	WCA8
<i>Knautia arvensis</i>	Field Scabious	Locally notable
<i>Lactuca saligna</i>	Least Lettuce	WCA8, S41, GB RDB(EN), ENG BSBI RDB(EN), NR
<i>Lathyrus linifolius</i>	Bitter-vetch	Locally notable
<i>Mentha arvensis</i>	Corn Mint	Locally notable
<i>Menyanthes trifoliata</i>	Bogbean	Locally notable
<i>Narcissus pseudonarcissus</i> subsp. <i>pseudonarcissus</i>	Daffodil	Locally notable
<i>Oenanthe fistulosa</i>	Tubular Water-dropwort	S41, GB RDB(VU), ENG BSBI RDB(VU)
<i>Ononis spinosa</i>	Spiny Restharrow	Locally notable
<i>Oxalis acetosella</i>	Wood-sorrel	Locally notable
<i>Petroselinum segetum</i>	Corn Parsley	Locally notable
<i>Pinus sylvestris</i>	Scots Pine	NS
<i>Plantago media</i>	Hoary Plantain	Locally notable
<i>Poa humilis</i>	Spreading Meadow-grass	Locally notable
<i>Potamogeton compressus</i>	Grass-wrack Pondweed	S41, GB RDB(EN), ENG BSBI RDB(EN), NS
<i>Potamogeton friesii</i>	Flat-stalked Pondweed	ENG BSBI RDB(VU), NS
<i>Potamogeton praelongus</i>	Long-stalked Pondweed	ENG BSBI RDB(EN)
<i>Potentilla erecta</i>	Tormentil	Locally notable
<i>Pterygoneurum lamellatum</i>	Spiral Chalk-moss	NR
<i>Ranunculus flammula</i>	Lesser Spearwort	ENG BSBI RDB(VU)
<i>Ranunculus peltatus</i>	Pond Water-crowfoot	Locally notable
<i>Sagina nodosa</i>	Knotted Pearlwort	ENG BSBI RDB(VU)
<i>Sanicula europaea</i>	Sanicle	Locally notable
<i>Sedum telephium</i>	Orpine	Locally notable
<i>Senecio aquaticus</i>	Marsh Ragwort	Locally notable
<i>Spergula arvensis</i>	Corn Spurrey	GB RDB(VU), ENG BSBI RDB(VU)
<i>Spergularia rubra</i>	Sand Spurrey	Locally notable
<i>Umbilicus rupestris</i>	Navelwort	Locally notable
<i>Valeriana dioica</i>	Marsh Valerian	Locally notable
<i>Valeriana officinalis</i>	Common Valerian	Locally notable
<i>Verbascum lychnitis</i>	White Mullein	NS
<i>Veronica officinalis</i>	Heath Speedwell	Locally notable
Reptiles		
<i>Natrix natrix</i>	Grass Snake	WCA5, S41

APPENDIX B – ABBREVIATIONS

Table A6 displays abbreviations of protected species legislation.

Table A6: Glossary of Abbreviations Used in this Report:

Code	Full Title	Explanation
Amber	Amber list	Amber listed species have a population status in the UK of medium conservation concern.
BA	The Protection of Badgers Act 1992	Legislation making it an offence to kill, injure or take a Badger, or to damage or interfere with a sett unless a licence is obtained from a statutory authority.
BAP	Biodiversity Action Plan	A plan that identifies threats to significantly important species and habitats, and sets out targets and actions to enhance or maintain biodiversity.
DA	The Deer Act 1991	All wild deer with the exception of Muntjac (<i>Muntiacus reevesi</i>) and Chinese Water deer (<i>Hydropotes inermis</i>) are protected by a closed season.
EPS (Sch 2)	European Protected Species (Schedule 2)	Animals protected on <i>Schedule 2 of the Conservation (Natural Habitats &c.) Regulations 1994</i>
HAP	Habitat Action Plan	A plan that identifies threats to a priority habitat and sets out targets and actions to enhance or maintain that habitat.
IUCN	International Union for Conservation of Nature and Natural Resources (also known as The World Conservation Union)	A worldwide partnership and conservation network to influence, encourage and assist societies throughout the world to conserve the integrity and diversity of nature and to ensure that any use of natural resources is equitable and ecologically sustainable.
LBAP	Local Biodiversity Action Plan	A plan that identifies threats to locally important species and habitats, and sets out targets and actions in Species Action Plans and Habitat Action Plans to enhance or maintain biodiversity at the county or regional level.
LHAP	Local Habitat Action Plan	A plan that identifies threats to a locally important priority habitat and sets out targets and actions to enhance or maintain that habitat.
LSAP	Local Species Action Plan	A plan that identifies threats to locally important species, and sets out targets and actions to

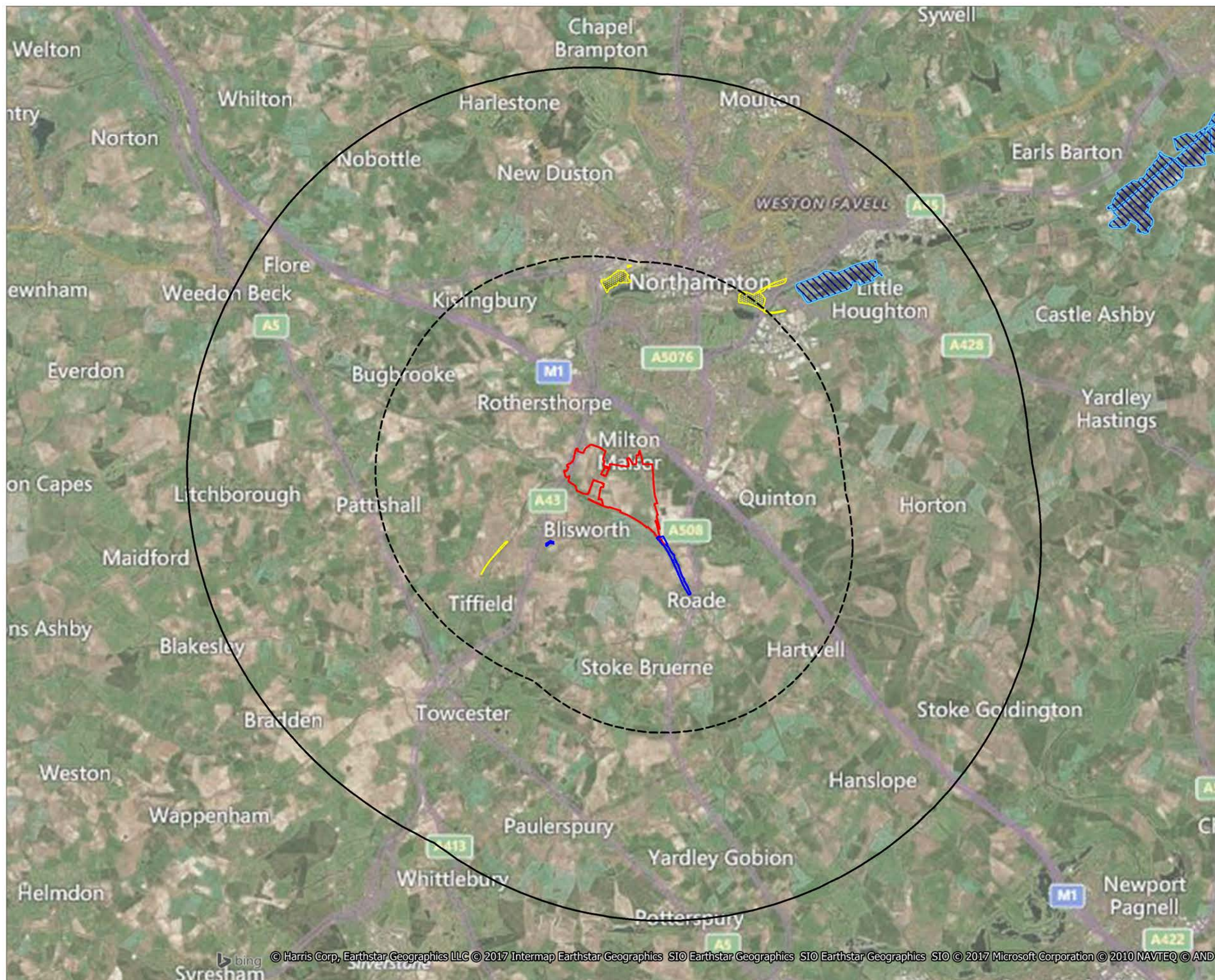
Code	Full Title	Explanation
		prevent losing that species from the local area.
Notable	Scarce and threatened invertebrates	Invertebrate species which are estimated to occur within the range of 16 to 100 10km squares but subdivision into Notable A and Notable B categories is not possible as there is insufficient information available).
Notable:A	Scarce and threatened invertebrates	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 or, for less well-recorded groups, within seven or fewer vice-counties.
Notable: B	Scarce and threatened invertebrates	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 or, for less-well recorded groups between eight and twenty vice-counties.
NN	Nationally Notable	Designation for invertebrate taxa that are thought to be notably important in the UK.
NR	Nationally Rare	Species in 15 or fewer hectads in Great Britain.
NS	National Scarce	Species in 16-100 hectads in Great Britain.
Red	Red List	Red listed species have a population status in the UK with high conservation concern.
RDB	Red Data Book Species	Species identified in one of the UK Red Data books.
RDB(CR)	Critically Endangered	An IUCN Red List designation for species at an extremely high risk of extinction.
RDB(EN)	Endangered	An IUCN Red List designation for species at a very high risk of extinction.
RDB(VU)	Vulnerable	An IUCN Red List designation for species at high risk of extinction.
SAP	Species Action Plan	A plan that identifies threats to significantly important species, and sets out targets and actions to prevent losing that species to extinction.
UKBAP	UK Biodiversity Action Plan	A plan that identifies threats to locally important species and habitats, and sets out targets and actions in Species Action Plans and Habitat Action Plans to enhance or maintain biodiversity in the UK.
UKSAP	UK Species Action Plan	A plan that identifies threats to nationally important species, and sets out targets and actions to prevent the decline or extinction of the species in the UK.
WCA	<i>The Wildlife and Countryside Act 1981</i>	Containing 4 Parts and 17 Schedules, the Act covers protection of wildlife (birds, and some

Code	Full Title	Explanation
	(as amended)	animals and plants), the countryside, National Parks, and the designation of protected areas, and public rights of way. All wild plants in Britain are protected from intentional uprooting by an unauthorized person, but land owners, land occupiers, persons authorized by either of these or persons authorized in writing by the Local Authority for the area are exempt. Protection for some species may be limited to certain Sections of the Act (e.g. S13(2)).
WCA1	Schedule 1 of <i>The Wildlife and Countryside Act 1981</i> (as amended)	<p>This Schedule lists birds protected by special penalties at all times, but virtually all wild birds have some protection in law.</p> <p>Acts which are prohibited for all wild birds (except derogated 'pest' species) include intentional killing, injuring or taking; taking, damaging or destroying nests in use or being built; taking or destroying eggs; possessing or having control of (with certain exceptions but including live for dead birds, parts or derivative); setting or permitting certain traps, weapons, decoys or poisons. Selling, offering or exposing for sale, possessing or transporting for sale any live wild bird, egg or part of an egg or advertising any of these for sale, or dead wild bird including parts or derivatives are also prohibited. Many birds must be formally registered and ringed if kept in captivity.</p> <p>Schedule I WCA birds are additionally protected from intentional or reckless disturbance while building a nest, or when such a bird is in, on or near a nest containing eggs or young, or intentional or reckless disturbance of dependent young.</p>
WCA5	Schedule 5 of <i>The Wildlife and Countryside Act 1981</i> (as amended)	Schedule 5 animals are protected from intentional killing, injuring or taking; possessing (including parts or derivatives); intentional or reckless damage, destruction or obstruction of any structure or place used for shelter or protection; selling, offering or exposing for sale, possessing or transporting for the purpose of sale (alive or dead, including parts or derivatives). Protection of some species is limited to certain Sections of the Act (e.g. S9(1), S9(4a), S9(4b), S9(5)).
WCA5.9.1	Section 9 (1) under Schedule 5 of <i>The Wildlife and Countryside Act 1981</i> (as amended)	Protection limited to intentional killing, injury or taking.
WCA5.9.4a	Section 9 (4a) under Schedule 5 of <i>The</i>	Protection limited to damaging, destroying, or obstructing access to, any structure or place used

Code	Full Title	Explanation
	<i>Wildlife and Countryside Act 1981</i> (as amended)	by the animal for shelter or protection.
WCA5.9.5	Section 9 (5) under Schedule 5 of <i>The Wildlife and Countryside Act 1981</i> (as amended)	Protection limited to selling, offering for sale, possessing or transporting for purpose of sale, or advertising for sale, any live or dead animal, or any part of, or anything derived from, such animal. Note that all cetaceans (whales and dolphins) and the Basking Shark (<i>Cetorhinus maximus</i>) are now protected from intentional or reckless disturbance.
WCA8	Schedule 8 of <i>The Wildlife and Countryside Act 1981</i> (as amended)	Plants and fungi protected from intentional picking, uprooting, destroying, trading (including parts or derivatives), etc.

APPENDIX C – FIGURES

Figure A1.1	Site Location Map
Figure A2.1	Designated Sites Plan



Site boundary (July 2017)

10km buffer

5km buffer

RAMSAR

Special Protection Area

Site of Special Scientific Interest

Local Nature Reserve

00	13.07.17	855950	SP	RG	RE
Rev	Date	Description	Drn	Chk	App
Rail Central					

Figure A2.1

Statutory Designated Sites

03

km

Scale = 1:100,000 @ A3

N

E

S

W

REV 00

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