

CHARNWOOD BOROUGH WIDE PHASE-1 HABITAT SURVEY

(Excludes Badger Data)

A Report to:
CHARNWOOD BOROUGH COUNCIL
Southfield Road
Loughborough
Leicestershire
LE11 2TN

FROM:

EMEC ECOLOGY
The Old Ragged School
Brook Street
Nottingham
NG1 1EA
Tel: (0115) 964 4828
Fax: (0115) 964 4829
E-mail: mail@emec-ecology.co.uk
Website: www.emec-ecology.co.uk

November 2012

Contents

EXECUTIVE SUMMARY	5	1km Grid Square SK5416	128
		1km Grid Square SK5419	129
1. INTRODUCTION AND SURVEY METHODOLOGY	6	1km Grid Square SK5420	130
		1km Grid Square SK5509	134
2. FLORA AND HABITAT TARGET NOTES	9	1km Grid Square SK5512	140
1km Grid Square SK4518	9	1km Grid Square SK5514	142
1km Grid Square SK4519	11	1km Grid Square SK5515	144
1km Grid Square SK4617	12	1km Grid Square SK5516	146
1km Grid Square SK4618	14	1km Grid Square SK5519	149
1km Grid Square SK4619	16	1km Grid Square SK5522	151
1km Grid Square SK4715	17	1km Grid Square SK5610	153
1km Grid Square SK4716	18	1km Grid Square SK5611	154
1km Grid Square SK4717	19	1km Grid Square SK5612	155
1km Grid Square SK4720	20	1km Grid Square SK5613	156
1km Grid Square SK4812	21	1km Grid Square SK5614	158
1km Grid Square SK4813	24	1km Grid Square SK5615	160
1km Grid Square SK4816	25	1km Grid Square SK5618	164
1km Grid Square SK4817	26	1km Grid Square SK5712	167
1km Grid Square SK4820	27	1km Grid Square SK5714	168
1km Grid Square SK4910	28	1km Grid Square SK5715	169
1km Grid Square SK4911	29	1km Grid Square SK5809	176
1km Grid Square SK4912	30	1km Grid Square SK5814	178
1km Grid Square SK4913	35	1km Grid Square SK5815	179
1km Grid Square SK4923	39	1km Grid Square SK5816	181
1km Grid Square SK5009	40	1km Grid Square SK5818	183
1km Grid Square SK5010	41	1km Grid Square SK5823	186
1km Grid Square SK5012	49	1km Grid Square SK5908	187
1km Grid Square SK5013	52	1km Grid Square SK5912	189
1km Grid Square SK5014	53	1km Grid Square SK5913	190
1km Grid Square SK5015	54	1km Grid Square SK5914	193
1km Grid Square SK5016	55	1km Grid Square SK5915	195
1km Grid Square SK5018	59	1km Grid Square SK5917	196
1km Grid Square SK5020	60	1km Grid Square SK5918	197
1km Grid Square SK5021	61	1km Grid Square SK5919	198
1km Grid Square SK5022	62	1km Grid Square SK5921	199
1km Grid Square SK5109	63	1km Grid Square SK5923	200
1km Grid Square SK5110	65	1km Grid Square SK6008	203
1km Grid Square SK5111	68	1km Grid Square SK6009	204
1km Grid Square SK5112	71	1km Grid Square SK6011	207
1km Grid Square SK5114	74	1km Grid Square SK6013	210
1km Grid Square SK5115	75	1km Grid Square SK6018	214
1km Grid Square SK5116	77	1km Grid Square SK6019	216
1km Grid Square SK5208	79	1km Grid Square SK6023	218
1km Grid Square SK5209	80	1km Grid Square SK6024	219
1km Grid Square SK5210	83	1km Grid Square SK6111	220
1km Grid Square SK5211	84	1km Grid Square SK6112	221
1km Grid Square SK5212	86	1km Grid Square SK6114	224
1km Grid Square SK5213	88	1km Grid Square SK6115	225
1km Grid Square SK5215	91	1km Grid Square SK6116	226
1km Grid Square SK5216	92	1km Grid Square SK6117	227
1km Grid Square SK5221	93	1km Grid Square SK6118	229
1km Grid Square SK5309	94	1km Grid Square SK6119	230
1km Grid Square SK5310	96	1km Grid Square SK6122	232
1km Grid Square SK5311	98	1km Grid Square SK6123	234
1km Grid Square SK5312	101	1km Grid Square SK6124	236
1km Grid Square SK5313	103	1km Grid Square SK6125	237
1km Grid Square SK5314	105	1km Grid Square SK6208	238
1km Grid Square SK5316	110	1km Grid Square SK6212	239
1km Grid Square SK5321	111	1km Grid Square SK6213	240
1km Grid Square SK5322	112	1km Grid Square SK6215	241
1km Grid Square SK5410	115	1km Grid Square SK6216	242
1km Grid Square SK5411	116	1km Grid Square SK6217	243
1km Grid Square SK5412	120	1km Grid Square SK6219	246
1km Grid Square SK5413	123	1km Grid Square SK6221	247
1km Grid Square SK5414	125	1km Grid Square SK6222	248
		1km Grid Square SK6224	253

1km Grid Square SK6225	255	1km Grid Square SK6411	318
1km Grid Square SK6309	257	1km Grid Square SK6414	318
1km Grid Square SK6313	258	1km Grid Square SK6422	318
1km Grid Square SK6314	259	1km Grid Square SK6507	318
1km Grid Square SK6315	260	1km Grid Square SK6508	318
1km Grid Square SK6316	261	1km Grid Square SK6509	319
1km Grid Square SK6317	262	1km Grid Square SK6511	319
1km Grid Square SK6318	263	1km Grid Square SK6513	319
1km Grid Square SK6319	264	1km Grid Square SK6514	319
1km Grid Square SK6320	265	1km Grid Square SK6610	319
1km Grid Square SK6321	267	1km Grid Square SK6611	319
1km Grid Square SK6322	268	1km Grid Square SK6612	320
1km Grid Square SK6409	270	1km Grid Square SK6613	320
1km Grid Square SK6410	271	1km Grid Square SK6707	320
1km Grid Square SK6411	272	1km Grid Square SK6710	321
1km Grid Square SK6412	274	1km Grid Square SK6909	321
1km Grid Square SK6413	275		
1km Grid Square SK6417	276	5. WILDLIFE CORRIDORS	323
1km Grid Square SK6418	277		
1km Grid Square SK6419	278	5.1 Parish Wildlife Corridors	323
1km Grid Square SK6420	279	Reference: PWC-001	323
1km Grid Square SK6421	280	Reference: PWC-002	323
1km Grid Square SK6422	282	Reference: PWC-003	323
1km Grid Square SK6423	283	Reference: PWC-004	324
1km Grid Square SK6424	285	Reference: PWC-005	324
1km Grid Square SK6507	286	Reference: PWC-006	324
1km Grid Square SK6508	287	Reference: PCW-007	325
1km Grid Square SK6509	288	Reference: PCW-008	325
1km Grid Square SK6510	289	Reference: PWC-009	325
1km Grid Square SK6511	290	Reference: PWC-010	326
1km Grid Square SK6513	291	Reference: PWC-011	326
1km Grid Square SK6514	292	Reference: PWC-012	326
1km Grid Square SK6515	293	Reference: PWC-013	327
1km Grid Square SK6516	294	Reference: PWC-014	327
1km Grid Square SK6608	295	Reference: PWC-015	328
1km Grid Square SK6609	296	Reference: PWC-016	328
1km Grid Square SK6611	297	Reference: PWC-017	328
1km Grid Square SK6612	298	Reference: PWC-018	329
1km Grid Square SK6613	300	Reference: PWC-019	329
1km Grid Square SK6614	301	Reference: PWC-020	329
1km Grid Square SK6708	302	Reference: PWC-021	330
1km Grid Square SK6709	303	Reference: PWC-022	330
1km Grid Square SK6711	304	Reference: PWC-023	330
1km Grid Square SK6713	305	Reference: PWC-024	331
1km Grid Square SK6808	306	Reference: PWC-025	331
1km Grid Square SK6909	308	Reference: PWC-026	331
1km Grid Square SK6910	311	Reference: PWC-027	332
1km Grid Square SK7009	313	Reference: PWC-028	332
		Reference: PWC-029	332
3. FAUNAL TARGET NOTES	315	Reference: PWC-030	333
1km Grid Square SK5014	315	Reference: PWC-031	333
1km Grid Square SK5209	315	Reference: PWC-032	333
1km Grid Square SK5520	315	Reference: PWC-033	334
1km Grid Square SK5815	315	Reference: PWC-034	334
1km Grid Square SK5914	315	Reference: PWC-035	334
1km Grid Square SK6009	316	Reference: PWC-036	335
1km Grid Square SK6010	316	Reference: PWC-037	335
1km Grid Square SK6012	316	Reference: PWC-038	335
1km Grid Square SK6014	316	Reference: PWC-039	336
1km Grid Square SK6023	316	Reference: PWC-040	336
1km Grid Square SK6111	317	Reference: PWC-041	336
1km Grid Square SK6214	317	Reference: PWC-042	337
1km Grid Square SK6215	317	Reference: PWC-043	337
1km Grid Square SK6223	317	Reference: PWC-044	337
1km Grid Square SK6315	317	Reference: PWC-045	338
1km Grid Square SK6323	317	Reference: PWC-046	338
1km Grid Square SK6407	317	Reference: PWC-047	338
1km Grid Square SK6410	318	Reference: PWC-048	339

SUMMARY

EMEC Ecology's brief was to undertake a Borough-wide Phase-1 Habitat Survey of the Charnwood Borough (excluding urban and areas already surveyed). Surveys were carried out following the standard Phase-1 habitat survey methodology, which involves surveying every parcel of land and on the basis of vegetation placing it into one of over 90 habitat types. Target Notes were used to record any areas of particular interest and any sightings or evidence of protected or notable species. Areas of high botanical interest were also identified, where further survey and possible assessment against Local Wildlife Site Criteria may result in the designation of further Local Wildlife Sites.

During the Phase-1 Habitat Surveys, potentially important wildlife corridors were identified. Following the completion of the surveys, further corridors were identified using the completed habitat map. The corridors were classified as providing potential 'County', 'Borough' and 'Parish' value. A description was made of each corridor, identification of the key ecological features and evaluation of its potential value.

The Phase-1 habitat survey was undertaken between May 2010 and March 2012, with the majority of the survey work undertaken during the spring and summer months (2010 and 2011).

A set of 1:8000 scale Phase-1 Habitat Maps are provided within Appendix 1 and the Target Note descriptions are included within the report. A separate set of maps is included showing the wildlife corridors, Sites of Special Scientific Interest and Local Wildlife Sites (including potential Local Wildlife Sites identified during the surveys).

Calculations for the total area of habitats and total lengths of linear features are included within the report. For example, in total the surveys (including previous survey data) identified 48km of species-rich hedgerows (this includes species-rich hedgerows with trees), 310ha of semi-improved neutral grassland, 950ha of semi-natural broadleaved woodland and 336ha of open water.

The wildlife corridors identified are included in Appendix 2 on a separate set of 1:8000 scale maps with descriptions of the corridors included within the report.

1. INTRODUCTION AND SURVEY METHODOLOGY

1.1 EMEC Ecology has been commissioned by Charnwood Borough to undertake a Phase-1 habitat survey (JNCC 2010¹) of the entire Borough (excluding areas already surveyed and urban areas, as detailed below).

1.2 Phase-1 Habitat Survey

1.2.1 *Habitat Surveys*

Surveys were carried out following the standard Phase-1 habitat survey methodology (JNCC 2010), which involves surveying every parcel of land and on the basis of vegetation placing it into one of over 90 habitat types. Target Notes were used to record any areas of particular interest and any sightings, evidence or potential habitat for protected or notable species (see below).

As part of the survey, boundaries and land use types / habitats were identified at the individual field level. The vast majority of the survey work was undertaken by using public rights of way and roads (as specified within the brief); although where required, landowner access was sought for some small sections. The field surveyors and GIS technicians utilised maps and aerial photography where land access was not obtainable.

The overall survey area comprised the whole of the Charnwood Borough of Leicestershire. However, certain areas were excluded from the survey for a number of reasons. These comprised:

- Areas previously surveyed on behalf of Charnwood Borough Council.
- Urban areas. Developed areas were mapped as 'limits to development' by Charnwood Borough Council and this information was provided in the form of a GIS layer prior to survey work commencing. Some additional highly developed urban areas not covered by this layer were also excluded from the survey.
- Buildings and hardstanding.
- Smaller gardens, as these were considered developed areas, and were not surveyed in the interest of privacy.

1.2.2 *Target Notes*

The following information was recorded for each Target Note:-

- Habitat type or types present together with their dominant plant species.
- The surveyor and date of survey.
- Other species of note.
- Need for further survey if relevant.

The following elements were also be included (where appropriate):-

- A description of the habitat structure, topography and substrate.
- A description of the plant communities present.
- Details of any noteworthy animal associations.
- A note of any known rare species of plant or animal.
- Notes on past, present or proposed management practices.

¹ JNCC 2010 *Handbook for Phase 1 Habitat Survey: a technique for environmental audit*. JNCC, Peterborough.

- Details of any form of site protection / designation.
- Notes on any changes, particularly if damaging, that have occurred recently, or are taking place, or are threatened.

Target Notes were split into floral (or habitat notes), faunal notes and a separate set of target notes for badger (*Meles meles*) evidence (badger data is not included within this version of the report).

The Target Note numbers were allocated as following:-

1km grid square

SK6412TN1

Target Note number for the 1km grid square

Floral Target Notes were recorded within areas of notable botanical interest, such as diverse grasslands or where characterist woodland groundflora species were found. Target notes were also recorded within Local Wildlife Sites (where access permitted). Target notes were also used to record species within hedgerows and where invasive botanical species were recorded.

1.2.3 *Wildlife Corridors*

During the Phase-1 habitat surveys, potentially important wildlife corridors were identified. Following the completion of the surveys, further corridors were identified using the completed habitat map. The corridors were classified as providing potential 'County', 'Borough' and 'Parish' value. A description was made of each corridor, identification of it key ecological features and evaluation of its potential value.

In general, Parish value corridors were those which represented corridors between Local Wildlife Sites, SSSI or ecologically valuable habitats identified during the Phase 1 survey. In many cases these were hedgerows, narrow woodland strips or watercourses which linked habitats otherwise isolated within primarily arable or improved pasture areas.

Borough value corridors generally represent wider or longer corridors within the Borough. These included the longer rivers and stream which provide a link between tributaries (often identified as Parish value). A number of wide road verges (and associated woodland habitats) occur within the Borough, and these were generally identified as providing important terrestrial wildlife corridors, usually providing a link between several parish value corridors and connecting larger areas of connected sites.

County value corridors are linear habitats that not only cover a considerable distance, but also represent a corridor which is of ecological value beyond the Borough boundary.

Consideration when valuing the corridors was given to ecological value of the habitats forming the corridor (i.e. diversity of the grassland, species-richness of hedgerows), the presence of 'breaks' or 'gaps' within the corridor, the number and value of connecting corridors or habitats and also the ecological value of the habitats through which the corridor passed. For example, species-poor hedgerows alongside a road may be

considered of importance should then connect woodland habitats otherwise isolated within a predominately arable landscape.

Although they will also provide important habitat connections and act as significant wildlife corridors in many cases, larger areas of contiguous habitat (for example large woodlands, grasslands) were not identified as wildlife corridors as these stand as important habitat areas in their own right and are much more apparent on the habitat map.

1.2.4 GIS Mapping Output

The Phase-1 habitat data, designated site data and wildlife corridor information is mapped on separate layers; which can therefore be overlaid for interpretation purposes. Each contiguous habitat area (for example an improved grassland field, or an area of marshy grassland within a field) is mapped as a separate polygon (polyline for boundary features, or point for single locations such as individual trees, target notes). The digitised layers include attributed data for each habitat feature (such as, habitat type, date of survey, surveyor's details and 'comments' for other information). SSSI and LWS information, as well as the Ordnance Survey base map, was provided by Charnwood Borough Council.

1.3 Survey Details

The Phase-1 habitat survey was undertaken between May 2010 and March 2012, with the majority of the survey work undertaken during the spring and summer months (2010 and 2011).

The Phase-1 habitat survey was undertaken by the following surveyors:-
(Identified in Target Notes and GIS attribute information by the initials given in brackets after their names)

- Sean Gallagher MSc MIEEM (SG)
- Steve Ralph MSc MIEEM (SR)
- Martin Burgess BSc AIEEM (MB)
- Mike Poulton AIEEM (MP)
- John Moore PhD (JM)
- Jane Caruthers (JC)
- Zoe Jackson MSc Grad IEEM (ZJ)
- Nick Sanderson MSc MIEEM (NS)
- Alison Sharkey MSc Grad IEEM (AS)
- Tim Smith (TS)
- Tim Yardley M.Biol.Sci (TY)
- Sarah Love BSc AIEEM AIEMA (SL)

The GIS mapping was primarily undertaken by the following:-

- Tim Yardley M.Biol.Sci (TY)
- Steve Ralph MSc MIEEM (SR)
- Caitlin McCormack MSc (CM)
- Khaled Belgasmi MSc (KB)
- Kay Thompson MSc (KT)

2. FLORA AND HABITAT TARGET NOTES

1km Grid Square SK4518

Target Note Reference: SK4518 TN1

Survey Date: 22 June 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 4593 1857 Habitat Type(s): Broadleaved woodland

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>	Some large, mature
Hazel	<i>Corylus avellana</i>	
Elder	<i>Sambucus nigra</i>	
Hawthorn	<i>Crataegus monogyna</i>	
Bramble	<i>Rubus fruticosus</i>	
Common Nettle	<i>Urtica dioica</i>	
Red Campion	<i>Silene dioica</i>	
Herb Bennet	<i>Geum urbanum</i>	
Woodruff	<i>Galium odoratum</i>	Dense where present
Dog's Mercury	<i>Mercurialis perennis</i>	

Additional information: Part of Local Wildlife Site Blackbrook Hill Farm CBC W 4518/1. This LWS includes ancient woodland, acid grassland, a quarry and a disused railway which is a geological SSSI.

Target Note Reference: SK4518 TN2

Survey Date: 22 June 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 4589 1847 Habitat Type(s): Plantation Broadleaved woodland

Key Floral Species:-

Black Poplar	<i>Populus nigra</i>	Dominant
Ash	<i>Fraxinus excelsior</i>	
Hazel	<i>Corylus avellana</i>	
Elder	<i>Sambucus nigra</i>	
Hawthorn	<i>Crataegus monogyna</i>	
Bramble	<i>Rubus fruticosus</i>	
Common Nettle	<i>Urtica dioica</i>	
Red Campion	<i>Silene dioica</i>	
Herb Bennet	<i>Geum urbanum</i>	

Woodruff
Dog's Mercury

Galium odoratum
Mercurialis perennis

Dense where present

Additional information: Part of Local Wildlife Site Blackbrook Hill Farm CBC W 4518/1. This LWS includes ancient woodland, acid grassland, a quarry and a disused railway which is a geological SSSI.

Target Note Reference: SK4518 TN3

Survey Date: 22 June 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 4515 1840

Habitat Type(s): Broadleaf woodland on former quarry site

Key Floral Species:-

Pedunculate oak	<i>Quercus robur</i>
Bracken	<i>Pteridium aquilinum</i>

Additional information: Local wildlife site Ringing Hill CBC W 4518/3.

Target Note Reference: SK4518 TN4

Survey Date: 15th June 2011 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 4592 1895 Habitat Type(s): Broadleaved woodland

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Pedunculate oak	<i>Quercus robur</i>
Hazel	<i>Corylus avellana</i>
Elder	<i>Sambucus nigra</i>
Holly	<i>Ilex aquifolia</i>
Bluebell	<i>Hyacinthoides non-scripta</i>
Wood anemone	<i>Anemone nemorosa</i>
Dog's mercury	<i>Mercurialis perennis</i>
Red campion	<i>Silene dioica</i>
Lesser celandine	<i>Ranunculus ficaria</i>
Lords and ladies	<i>Arum maculatum</i>
Ground ivy	<i>Glechoma hederacea</i>

Additional information: Broadleaved woodland with rich ground flora. Bluebells and wood anemone abundant. Within LWS W4518/TN1.

Target Note Reference: SK4518 TN5Survey Date: 24th May 2010

Surveyor: Mike Poulton AIEEM

Grid Reference: SK 4562 1796 Habitat Type(s): Semi-natural mixed woodland

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Rowan	<i>Sorbus aucuparia</i>
Oak	<i>Quercus robur</i>
Scots pine	<i>Pinus sylvestris</i>
Goat willow	<i>Salix caprea</i>
Sycamore	<i>Acer pseudoplatanus</i>
Rhododendron	<i>Rhododendron ponticum</i>
Bluebells	<i>Hyacinthoides non-scripta</i>

Additional information: Mixed woodland in disused quarry. Mainly broadleaved species but with frequent Scots pine. Non-native rhododendron abundant in understorey. Large areas of bluebells in some areas. Small rock outcrops are also present which are related to a former quarry.

1km Grid Square SK4519

Target Note Reference: SK4519 TN1

Survey Date: 22 June 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 4550 1920 Habitat Type(s): Broadleaved woodland

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Oak	<i>Quercus robur</i>
Hazel	<i>Corylus avellana</i>
Elder	<i>Sambucus nigra</i>
Holly	<i>Ilex aquifolium</i>
Bluebell	<i>Hyacinthoides non-scripta</i>
Dog's mercury	<i>Mercurialis perennis</i>
Lesser celandine	<i>Ranunculus ficaria</i>
Red campion	<i>Silene dioica</i>
Enchanter's nightshade	<i>Circaea lutetiana</i>
Wood anemone	<i>Anemone nemorosa</i>
Lords and ladies	<i>Arum maculatum</i>

Additional information: Part of Hookhill wood Local Wildlife Site W4519/1.
Broadleaved canopy with rich woodland flora.

1km Grid Square SK4617**Target Note Reference: SK4617 TN1**

Survey Date: 24th May 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 4668 1789 Habitat Type(s): Unimproved acid grassland

Key Floral Species:-

Sheep's Fescue	<i>Festuca ovina</i> agg.
Sheep's Sorrel	<i>Rumex acetosella</i>
Mouse-ear-hawkweed	<i>Pilosella officinarum</i>
Gorse	<i>Ulex europaeus</i>

Additional information: The higher slope of field is acid grassland with some scattered gorse scrub.

Target Note Reference: SK4617 TN2

Survey Date: 24th May 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 4662 1785

Habitat Type(s): Poor semi-improved neutral grassland

Key Floral Species:-

Bulbous Buttercup	<i>Ranunculus bulbosus</i>
Cuckoo Flower	<i>Cardamine pratensis</i>
Common Sorrel	<i>Rumex acetosa</i>
Sweet Vernal Grass	<i>Anthoxanthum odoratum</i>
Meadow Foxtail	<i>Alopecurus pratensis</i>

Additional information: The fields are grazed by livestock.

Target Note Reference: SK4617 TN3

Survey Date: 24th May 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 4668 1766 Habitat Type(s): Standing open water (pond)

Key Floral Species:-

Yellow Iris	<i>Iris pseudacorus</i>
Reedmace	<i>Typha latifolia</i>
Ragged Robin	<i>Lychnis flos-cuculi</i>
Cyperus Sedge	<i>Carex pseudocyperus</i>

Additional information: Area under one ownership of planted (saplings) trees, with a farm pond surrounded by grassland in centre. Pond has very little emergent vegetation. Part of National Forest – Mellor's wood.

Target Note Reference: SK4617 TN4

Survey Date: 24th May 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 4645 1720 Habitat Type(s): Woodland and standing open water(reservoir)

Key Floral Species:-

Pedunculate oak	<i>Quercus robur</i> (woodland)
Beech	<i>Fagus sylvatica</i>
Turkey Oak	<i>Quercus cerris</i>
Holly	<i>Ilex aquifolium</i>
English Elm	<i>Ulmus procera</i>
Horse Chestnut	<i>Aesculus hippocastanum</i>
Wavy Hair Grass	<i>Deschampsia flexuosa</i>
Bracken	<i>Pteridium aquilinum</i>
Goat Willow	<i>Salix caprea</i> (reservoir margins)

Additional information: Part of Blackbrook SSSI (designated for unique marginal flora and isolated population of white-clawed crayfish), with *Quercus* dominated woodland. Very little aquatic vegetation along margins of reservoir (at this location).

Target Note Reference: SK4617 TN5

Survey Date: 19th July 2012 Surveyor: Steve Raplh MSc MIEEM

Grid Reference: SK 4697 1794 Habitat Type(s): Semi-improved neutral grassland

Key Species:-

Red Clover	<i>Trifolium pratense</i>
Red Fescue	<i>Festuca rubra</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Cock's-foot	<i>Dactylis glomerata</i>
Common Nettle	<i>Urtica dioica</i>
Common Ragwort	<i>Senecio jacobaea</i>
Common Bent	<i>Agrostis capillaris</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>
Meadow Buttercup	<i>Ranunculus</i>
Dandelion	<i>Taraxacum officinale</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
White Clover	<i>Trifolium repens</i>
Yorkshire-fog	<i>Holcus lanatus</i>

Additional information: Small Field of relatively rich grassland, becoming nettle dominated Tall ruderal at southern end.

1km Grid Square SK4618Target Note Reference: SK4618 TN1

Survey Date: 26th May 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 4675 1849 Habitat Type(s): Broadleaved woodland

Key Floral Species:-

Pedunculate oak	<i>Quercus robur</i>
Sycamore	<i>Acer pseudoplatanus</i>
Holly	<i>Ilex aquifolium</i>
Hawthorn	<i>Crataegus monogyna</i>
Hazel	<i>Corylus avellana</i>
Silver birch	<i>Betula pendula</i>
Bluebell	<i>Hyacinthoides non-scripta</i>
Wood anemone	<i>Anemone nemorosa</i>
Common male fern	<i>Dryopteris filix-mas</i>
Greater stitchwort	<i>Stellaria holostea</i>
Lesser celandine	<i>Ranunculus ficaria</i>
Dog's mercury	<i>Mercurialis perennis</i>
Wood millet	<i>Milium effusum</i>

Additional information: Part of White Horse Wood Local Wildlife Site W4618/1 designated in 2001 for meeting primary criteria for woodland. Included in the Leicestershire Inventory of Ancient Woodland and contains colonies of bluebells over 500m².

Target Note Reference: SK4618 TN2

Survey Date: 26th May 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 4678 1826 Habitat Type(s): Arable weeds

Key Floral Species:-

Common field speedwell	<i>Veronica persica</i>
Scented mayweed	<i>Matricaria recutita</i>
Common fumitory	<i>Fumaria officinalis</i> ssp. <i>officinalis</i>
Common poppy	<i>Papaver rhoeas</i>

Additional information: Fallow arable field with notable assemblage of arable weed species.

Target Note Reference: SK4618 TN3

Survey Date: 26th May 2010

Surveyor: Mike Poulton AIEEM

Grid Reference: SK 4618 1863 Habitat Type(s): Broadleaved woodland

Key Floral Species:-

Ground flora:

Bluebell	<i>Hyacinthoides non-scripta</i>
Greater stitchwort	<i>Stellaria holostea</i>
Dog's mercury	<i>Mercurialis perennis</i>
Red campion	<i>Silene dioica</i>
Wood avens	<i>Geum urbanum</i>

Additional information: Along Shepshed Cutting disused railway line and part of Shepshed Cutting SSSI (designated for mineral content of underlying geology). Also part of LWS W4518/1.

Target Note Reference: SK4618 TN4

Survey Date: 26th May 2010

Surveyor: Mike Poulton AIEEM

Grid Reference: SK 4600 1862

Habitat Type(s): Acid grassland

Key Floral Species:-

Sheep's sorrel	<i>Rumex acetosella</i>
Small cudweed	<i>Filago minima</i>
Tormentil	<i>Potentilla erecta</i>
Lady's bedstraw	<i>Galium verum</i>
Pignut	<i>Conopodium majus</i>
Common bird's foot trefoil	<i>Lotus corniculatus</i>

Additional information: Open area with sandy banks, used for cycling. Patches of acidic grassland vegetation, particularly near rabbit warrens. Part of Local Wildlife Site W4518/1.

Target Note Reference: SK4618 TN5

Survey Date: 26th May 2010

Surveyor: Mike Poulton AIEEM

Grid Reference: SK 4634 1883

Habitat Type(s): Species-poor hedgerow

Key Floral Species:-

Ground flora:

Bluebell

Hyacinthoides non-scripta

Greater stitchwort

Stellaria holostea

Black bryony

Tamus communis

Additional information: Species-poor hedgerow with some notable ground flora.

1km Grid Square SK4619**Target Note Reference: SK4619 TN1**Survey Date: 8th June 2010

Surveyor: Mike Poulton AIEEM

Grid Reference: SK 4627 1943 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Pedunculate oak	<i>Quercus robur</i>
Holly	<i>Ilex aquifolium</i>
Elder	<i>Sambucus nigra</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Dog Rose	<i>Rosa canina</i> agg.

Additional information: Short section of hedgerows with trees. No noteworthy ground flora.

Target Note Reference: SK4619 TN2Survey Date: 26th May 2010

Surveyor: Mike Poulton AIEEM

Grid Reference: SK 4639 1927 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Creeping buttercup	<i>Ranunculus repens</i>	
Red clover	<i>Trifolium pratense</i>	
Marsh thistle	<i>Cirsium palustre</i>	
Cock's foot	<i>Dactylis glomerata</i>	
False oat grass	<i>Arrhenatherum elatius</i>	
Hogweed	<i>Heracleum sphondylium</i>	
Soft rush	<i>Juncus effusus</i>	
Alder	<i>Alnus glutinosa</i>	(immature)

Additional information: Becoming species-poor and rush-dominated towards southern end. Immature alder saplings also present.

Target Note Reference: SK4619 TN3Survey Date: 26th May 2010

Surveyor: Mike Poulton AIEEM

Grid Reference: SK 4612 1932

Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Pedunculate oak	<i>Quercus robur</i>
Hazel	<i>Corylus avellana</i>
Blackthorn	<i>Prunus spinosa</i>
Holly	<i>Ilex aquifolium</i>
Dog wood	<i>Cornus sanguinea</i>

1km Grid Square SK4715

Target Note Reference: SK4715 TN1

Survey Date: 4th August 2010. *Surveyor:* Mike Poulton MSc AIEEM

Grid Reference: SK 4780 1589 *Habitat Type(s):* Species-rich hedgerow

Key Floral Species:-

Pedunculate Oak

Quercus robur

Hawthorn

Crataegus monogyna

Holly

Ilex aquifolium

Ash

Fraxinus excelsior

Gorse

Ulex europaeus

Blackthorn

Prunus spinosa

Field rose

Rosa arvensis

Grey willow

Salix cinerea

Additional information: Species-rich stretch of hedgerow alongside Charley Road.

1km Grid Square SK4716**Target Note Reference: SK4716 TN1**

Survey Date: 19th September 2010 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 4709 1694 *Habitat Type(s):* Marshy grassland

Key Floral Species:-

Yorkshire Fog	<i>Holcus lanatus</i>
Tufted Hair grass	<i>Deschampsia caespitosa</i>
Soft Rush	<i>Juncus effusus</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Alder	<i>Alnus glutinosa</i>

Additional information: Charley Road fields LWS, marsh grassland and alder scrub bordering Black Brook. Poached by cattle.

Target Note Reference: SK4716 TN2

Survey Date: 19th September 2010 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 4752 1626 *Habitat Type(s):* Semi-improved neutral grassland.

Key Floral Species:-

Perennial Rye Grass	<i>Lolium perenne</i>
Yorkshire Fog	<i>Holcus lanatus</i>
Cock's foot	<i>Dactylis glomerata</i>
Crested Dog's tail	<i>Cynosurus cristatus</i>
Red Fescue	<i>Festuca ovina</i>
Tufted Hair grass	<i>Deschampsia caespitosa</i>
Soft Rush	<i>Juncus effusus</i>
Common Bent	<i>Agrostis capillaris</i>
Jointed rush	<i>Juncus articulatus</i>
Creeping buttercup	<i>Ranunculus repens</i>

Additional information: Lubcloud Field LWS; Perennial rye grass dominant over much of the site, occasional other grasses, with a marshy grassland area along brook along western side of site.

1km Grid Square SK4717**Target Note Reference: SK4717 TN1**

Survey Date: 24th May 2010 *Surveyor:* Martin Burgess BSc AIEEM

Grid Reference: SK 4766 1786 *Habitat Type(s):* Unimproved acid grassland

Key Floral Species:-

Common Cudweed	<i>Filago vulgaris</i>
Buck's-horn Plantain	<i>Plantago coronopus</i>
Wavy Hair-grass	<i>Deschampsia flexuosa</i>
Heath Bedstraw	<i>Galium saxatile</i>
Sheep's Sorrel	<i>Rumex acetosella</i>
Heath Wood-rush	<i>Luzula multiflora</i>

Additional information: Morley Quarry is a mosaic of broad-leaved woodland (Quercus abundant), scrub and tall ruderal with areas of acid grassland on higher ground and old quarry bottom. Lower down slopes, the acid grassland grades into neutral grassland with less of the acid species obvious. Morley Quarry LWS, LNR.

Target Note Reference: SK4717 TN2

Survey Date: 24th May 2010 *Surveyor:* Martin Burgess BSc AIEEM

Grid Reference: SK 4735 1703

Habitat Type(s): Semi-improved neutral grassland/Acid grassland

Key Floral Species:-

Sheep's Fescue*	<i>Festuca ovina</i>
Gorse*	<i>Ulex</i> sp.

Additional information: Lower slopes predominantly semi-improved neutral grassland, but the rocky outcrops above are acid grassland, hence F. Ovina dominated, and with gorse scrub. Part of Iveshead LWS. *Faunal Species:* Curlew and Skylark heard calling

Target Note Reference: SK4717 TN3

Survey Date: 24th May 2010 *Surveyor:* Martin Burgess BSc AIEEM

Grid Reference: SK 4701 1708 *Habitat Type(s):* Mature broad-leaved trees

Key Floral Species:-

Oak *Quercus robur*

Additional information: Two mature oak trees, one appears older than the other. These trees comprise Little Garendon Oaks LWS.

Target Note Reference: SK4717 TN4

Survey Date: 13th January 2010 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 4762 1771 *Habitat Type(s):* Poor semi-improved grassland & acid grassland

Additional information: This field is being managed with the aim of recreating a lowland heath/acid grassland habitat type. It is currently assessed as poor semi-improved grassland.

1km Grid Square SK4720**Target Note Reference: SK4720 TN1**

Survey Date: 9th June 2010 *Surveyor:* Mike Poulton MSc AIEEM

Grid Reference: SK 4747 2009 *Habitat Type(s):* Species-rich hedgerow with trees

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>	Dominant
Blackthorn	<i>Prunus spinosa</i>	
Hawthorn	<i>Crataegus monogyna</i>	
Alder	<i>Alnus glutinosa</i>	
Dog Rose	<i>Rosa canina</i> agg.	
Dogwood	<i>Cornus sanguinea</i>	
Elder	<i>Sambucus nigra</i>	
Hazel	<i>Corylus avellana</i>	

Target Note Reference: SK4720 TN2

Survey Date: 9th June 2010 *Surveyor:* Mike Poulton MSc AIEEM

Grid Reference: SK 4749 2005 *Habitat Type(s):* Species-rich hedgerow with trees

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>	Dominant
Blackthorn	<i>Prunus spinosa</i>	
Hawthorn	<i>Crataegus monogyna</i>	
Alder	<i>Alnus glutinosa</i>	
Dog Rose	<i>Rosa canina</i> agg.	
Dogwood	<i>Cornus sanguinea</i>	
Elder	<i>Sambucus nigra</i>	
Hazel	<i>Corylus avellana</i>	

1km Grid Square SK4812**Target Note Reference: SK4812 TN1**

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4895 1275 Habitat Type(s): Acidic dry heath / acid grassland.

Key Floral Species:-

Heather	<i>Calluna vulgaris</i>
Rat's-tail Fescue	<i>Vulpia myuros</i>
Gorse	<i>Ulex europaeus</i>
Bracken	<i>Pteridium aquilinum</i>
Bramble	<i>Rubus fruticosus agg.</i>

Additional information: Regenerating, cattle-grazed acidic dry heath with patches Acid Grassland. About 30% heather/fescue. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4812 TN2

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4899 1268 Habitat Type(s): Scrub / acid grassland / heath

Key Floral Species:-

Heather	<i>Calluna vulgaris</i>
Rat's-tail Fescue	<i>Vulpia myuros</i>
Gorse	<i>Ulex europaeus</i>

Additional information: Mosaic of cattle grazed gorse scrub, acid grassland and dry heather heath. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4812 TN3

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4896 1263 Habitat Type(s): Acid grassland/ scrub

Key Floral Species:-

Gorse	<i>Ulex europaeus</i>	
Wavy Hair-grass	<i>Deschampsia flexuosa</i>	
Heath Bedstraw	<i>Galium saxatile</i>	Frequent
Tormentil	<i>Potentilla erecta</i>	Rare
Pill Sedge	<i>Carex pilulifera</i>	Rare
Sheep's Sorrel	<i>Rumex acetosella</i>	Occasional
Bilberry	<i>Vaccinium myrtillus</i>	(patches)

Additional information: Acid grassland with bracken, scattered gorse scrub. Cattle grazed. Wavy hair grass around boulders. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4812 TN4

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4888 1261 Habitat Type(s): Mixed Plantation

Key Floral Species:-

Beech	<i>Fagus sylvatica</i>
Larch	<i>Larix decidua</i>
Scots Pine	<i>Pinus sylvestris</i>
Pedunculate Oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Rowan	<i>Sorbus aucuparia</i>
Bluebell	<i>Hyacinthoides non-scripta</i>

Additional information: Plantation with dense bluebell ground cover. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4812 TN5

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4897 1247 Habitat Type(s): Semi-natural broadleaved woodland.

Key Floral Species:-

Beech	<i>Fagus sylvatica</i>	
Pedunculate Oak	<i>Quercus robur</i>	
Holly	<i>Ilex aquifolium</i>	
Hazel	<i>Corylus avellana</i>	
Scots Pine	<i>Pinus sylvestris</i>	
Rowan	<i>Sorbus aucuparia</i>	
<i>With field layer:</i>		
Bluebell	<i>Hyacinthoides non-scripta</i>	Less abundant
Bramble	<i>Rubus fruticosus</i>	Dominant
Broad Buckler-fern	<i>Dryopteris dilatata</i>	Frequent

Additional information: Mature beech and oak woodland. Best structure towards roadside where holly is frequent. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4812 TN6

Survey Date: 28th February 2011 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 4856 1276 Habitat Type(s): Standing Water Eutrophic

Key Floral Species:-

Floating sweet-grass	<i>Glyceria fluitans</i>
----------------------	--------------------------

Additional information: Pond, approx 8m diameter and shallow with no aquatic macrophytes. Part of Copt Oak Farm LWS.

Target Note Reference: SK4812 TN7

Survey Date: 28th February 2011 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 4858 1272 Habitat Type(s): Species-rich hedgerows (with trees)

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Pedunculate Oak	<i>Quercus robur</i>
Hazel	<i>Corylus avellana</i>
Elder	<i>Sambucus nigra</i>
Holly	<i>Ilex aquifolium</i>
Blackthorn	<i>Prunus spinosa</i>

Ash

Fraxinus excelsior

Additional information: Part of Copt Oak Farm LWS.

Target Note Reference: SK4812 TN8

Survey Date: 28th February 2011 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 4867 1264 Habitat Type(s): Species-rich hedgerows (with trees)

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Pedunculate Oak	<i>Quercus robur</i>
Elder	<i>Sambucus nigra</i>
Holly	<i>Ilex aquifolium</i>
Blackthorn	<i>Prunus spinosa</i>
Ash	<i>Fraxinus excelsior</i>
Goat Willow	<i>Salix caprea</i>

Target Note Reference: SK4812 TN9

Survey Date: 28th February 2011 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 4843 1211 Habitat Type(s): Species-rich hedgerows (with trees)

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Pedunculate Oak	<i>Quercus robur</i>
Elder	<i>Sambucus nigra</i>
Holly	<i>Ilex aquifolium</i>
Blackthorn	<i>Prunus spinosa</i>
Goat Willow	<i>Salix caprea</i>
Dog rose	<i>Rosa canina</i>

Target Note Reference: SK4812 TN10

Survey Date: 28th February 2011 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 4859 1217 Habitat Type(s): Species-rich hedgerows (with trees)

Key Floral Species:-

Holly	<i>Ilex aquifolium</i>
Hawthorn	<i>Crataegus monogyna</i>
Pedunculate Oak	<i>Quercus robur</i>
Elder	<i>Sambucus nigra</i>
Blackthorn	<i>Prunus spinosa</i>
Hazel	<i>Corylus avellana</i>
Silver birch	<i>Betula pendula</i>

1km Grid Square SK4813Target Note Reference: SK4813 TN1

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4870 1310 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Downy Birch	<i>Betula pubescens</i>	Dominant
Silver Birch	<i>Betula pendula</i>	
Sycamore	<i>Acer pseudoplatanus</i>	
Rowan	<i>Sorbus aucuparia</i>	
Holly	<i>Ilex aquifolium</i>	
Pedunculate Oak	<i>Quercus robur</i>	
Ash	<i>Fraxinus excelsior</i>	
<u>With field layer:</u>		
Bluebell	<i>Hyacinthoides non-scripta</i>	Less abundant
Broad Buckler-fern	<i>Dryopteris dilatata</i>	
Bramble	<i>Rubus fruticosus</i> agg.	Dominant
Wood-sorrel	<i>Oxalis acetosella</i>	
Hard Fern	<i>Blechnum spicant</i>	
Honeysuckle	<i>Lonicera periclymenum</i>	
Wavy Hair-grass	<i>Deschampsia flexuosa</i>	
Common Male Fern	<i>Dryopteris filix-mas</i>	

Additional information: Fox Covert. Well structured woodland with conifers removed.
Part of Ulverscroft nature reserve (W4913/3).

1km Grid Square SK4816

Target Note Reference: SK4816 TN1

Survey Date: 22nd November 2010 *Surveyor:* Mike Poulton MSc AIEEM

Grid Reference: SK 4844 1665 *Habitat Type(s):* Species-rich hedgerows (with trees)

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Pedunculate Oak	<i>Quercus robur</i>
Hazel	<i>Corylus avellana</i>
Grey Willow	<i>Salix cinerea</i>
Silver Birch	<i>Betula pendula</i>
Field Rose	<i>Rosa arvensis</i>
Elder	<i>Sambucus nigra</i>
Rowan	<i>Sorbus aucuparia</i>

Additional information: Although species poor, many of the other hedgerows on this area are well structured and good wildlife habitat.

1km Grid Square SK4817Target Note Reference: SK4817 TN1

Survey Date: 22nd November 2010 Surveyor: Mike Poulton MSc AIEEM

Grid Reference: SK 4823 1717 Habitat Type(s): Poor semi-improved grassland

Key Species:-

Meadow Waxcap

Hygrocybe pratensis

Additional information: The field supports abundant meadow waxcap mushrooms.

Target Note Reference: SK4817 TN2

Survey Date: 5th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 4855 1745 Habitat Type(s): Species-rich hedgerow

Key Species:-

Wych Elm

Ulmus glabra

Wild Privet

Ligustrum vulgare

Pedunculate Oak

Quercus robur

Hawthorn

Crataegus monogyna

Elder

Sambucus nigra

Dog Rose

Rosa canina agg.

Ash

Fraxinus excelsior

1km Grid Square SK4820Target Note Reference: SK4820 TN1Survey Date: 5th October 2010

Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 4813 2075 Habitat Type(s): Semi-improved neutral grassland (damp)

Key Species:-

Compact Rush	<i>Juncus conglomeratus</i>
Soft Rush	<i>Juncus effusus</i>
Hard Rush	<i>Juncus inflexus</i>
Glaucous Sedge	<i>Carex flacca</i>
A Sedge	<i>Carex sp.</i>
Red Clover	<i>Trifolium pratense</i>
Red Fescue	<i>Festuca rubra</i> agg.
Rosebay Willowherb	<i>Chamerion angustifolium</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Redshank	<i>Persicaria maculosa</i>
Cock's-foot	<i>Dactylis glomerata</i>
Common Nettle	<i>Urtica dioica</i>
Curled Dock	<i>Rumex crispus</i>
Common Ragwort	<i>Senecio jacobaea</i>
Common Bent	<i>Agrostis capillaris</i>
Common Mouse-ear	<i>Cerastium fontanum</i> ssp. <i>vulgare</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>
Broad-leaved Willowherb	<i>Epilobium montanum</i>
Bulbous Buttercup	<i>Ranunculus bulbosus</i>
Dove's-foot Crane's-bill	<i>Geranium molle</i>
Dandelion	<i>Taraxacum officinale</i> agg.
Greater Plantain	<i>Plantago major</i>
Ground-ivy	<i>Glechoma hederacea</i>
Hairy Tare	<i>Vicia hirsuta</i>
Italian Rye-grass	<i>Lolium multiflorum</i>
Hogweed	<i>Heracleum sphondylium</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Smooth Sow-thistle	<i>Sonchus oleraceus</i>
Spear Thistle	<i>Cirsium vulgare</i>
White Clover	<i>Trifolium repens</i>
Wild Oat	<i>Avena fatua</i>

Yellow Oat-grass
Yorkshire-fog

Trisetum flavescens
Holcus lanatus

Additional information: Damp meadow with stream. Tussocky, surveyor suggests this area provides potentially suitable reptile habitat. Voles (*Microtus* sp.) were sighted during the survey. The stream at the south boundary of the meadow is Local Wildlife Site S.1.6 Black Brook.

Target Note Reference: SK4820 TN2Survey Date: 5th October 2011

Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK4824 2070 Habitat Type(s): Running water

Key Species:-

Aquatic:

a duckweed
Floating Sweet-grass
Common Reed

Lemna sp.
Glyceria fluitans
Phragmites australis

On bank:

Great Willowherb
Common Nettle
False Oat-grass
Yorkshire-fog
Cock's-foot
Creeping Thistle
Bramble
Water Figwort

Epilobium hirsutum
Urtica dioica
Arrhenatherum elatius
Holcus lanatus
Dactylis glomerata
Cirsium arvense
Rubus fruticosus agg.
Scrophularia auriculata

Additional information: Up to 5m wide and 0.8m deep at time of survey. Very slow flowing. Black Brook is a designated Local Wildlife Site, reference S.1.6.

1km Grid Square SK4910**Target Note Reference: SK4910 TN1**

Survey Date: 19th August 2011 *Surveyor:* Zoe Jackson MSc Grad IEEM
Grid Reference: SK 4968 1050 *Habitat Type(s):* Semi-improved neutral grassland
Key Floral Species:-

Crested Dog's-tail	<i>Cynosurus cristatus</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Sweet Vernal Grass	<i>Anthoxanthum odoratum</i>
Creeping Buttercup	<i>Ranunculus repens</i>
White Clover	<i>Trifolium repens</i>
Common Sorrel	<i>Rumex acetosa</i>
Jointed Rush	<i>Juncus articulatus</i>
Hard Rush	<i>Juncus inflexus</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>
Marsh Thistle	<i>Cirsium palustre</i>
Common Nettle	<i>Urtica dioica</i>
Smooth Meadow-grass	<i>Poa pratensis sens.lat.</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Creeping Thistle	<i>Cirsium arvense</i>
Spear Thistle	<i>Cirsium vulgare</i>
Red Clover	<i>Trifolium pratense</i>
Common Knapweed	<i>Centaurea nigra</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Common mouse-ear	<i>Cerastium fontanum ssp. vulgare</i>
Dandelion	<i>Taraxacum officinale agg.</i>
Common Ragwort	<i>Senecio jacobaea</i>
Smooth Cat's-ear	<i>Hypochaeris glabra</i>
Red Fescue	<i>Festuca rubra agg.</i>
Autumnal Hawkbit	<i>Leontodon autumnalis</i>
Rough Hawkbit	<i>Leontodon hispidus</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Meadow Buttercup	<i>Ranunculus acris</i>

Additional information: Series of semi-improved neutral grassland fields, part of Cover Cloud Field LWS.

Target Note Reference: SK4910 TN2

Survey Date: 19th August 2011 *Surveyor:* Zoe Jackson MSc Grad IEEM
Grid Reference: SK 4934 1052 *Habitat Type(s):* Immature plantation mixed woodland with grassland areas

Key Floral Species:-

Yorkshire-fog	<i>Holcus lanatus</i>
Red Fescue	<i>Festuca rubra agg.</i>
Common Bent	<i>Agrostis capillaris</i>
Creeping Thistle	<i>Cirsium arvense</i>
Common Nettle	<i>Urtica dioica</i>
Yarrow	<i>Achillea millefolium</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
Cock's-foot	<i>Dactylis glomerata</i>
Hogweed	<i>Heracleum sphondylium</i>
Upright Hedge-parsley	<i>Torilis japonica</i>

Tree Saplings

Silver Birch	<i>Betula pendula</i>
Pedunculate Oak	<i>Quercus robur</i>
Alder	<i>Alnus glutinosa</i>
Pine	<i>Pinus sp.</i>
Spruce sp.	<i>Picea sp.</i>
English Elm	<i>Ulmus procera</i>
Field Maple	<i>Acer campestre</i>
Elder	<i>Sambucus nigra</i>
Hawthorn	<i>Crataegus monogyna</i>
Holly	<i>Ilex aquifolium</i>

Additional information: Immature plantation mixed woodland with grassland areas. Part of Home Farm LWS.

1km Grid Square SK4911**Target Note Reference: SK4911 TN1**

Survey Date: 19th August 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 4937 1112 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Smooth Meadow-grass	<i>Poa pratensis sens.lat.</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Red Hemp-nettle	<i>Galeopsis angustifolia</i>
Bramble	<i>Rubus fruticosus agg.</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Common Sorrel	<i>Rumex acetosa</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>
Hogweed	<i>Heracleum sphondylium</i>
Soft Rush	<i>Juncus effusus</i>
Common Bird's-foot-trefoil	<i>Lotus corniculatus</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Common Bent	<i>Agrostis capillaris</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Creeping Thistle	<i>Cirsium arvense</i>
Cock's-foot	<i>Dactylis glomerata</i>
Sweet Vernal Grass	<i>Anthoxanthum odoratum</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
Yellow-rattle	<i>Rhinanthus minor</i>
Wild Angelica	<i>Angelica sylvestris</i>
Lesser Stitchwort	<i>Stellaria graminea</i>
Tormentil	<i>Potentilla erecta</i>
Red Fescue	<i>Festuca rubra agg</i>

Additional information: Semi-improved neutral grassland. Part of Home Farm LWS

Target Note Reference: SK4911 TN2

Survey Date: 19th August 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 4950 1152 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Autumnal Hawkbit	<i>Leontodon autumnalis</i>
Selfheal	<i>Prunella vulgaris</i>
Common Knapweed	<i>Centaurea nigra</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Cock's-foot	<i>Dactylis glomerata</i>
Creeping Buttercup	<i>Ranunculus repens</i>
White Clover	<i>Trifolium repens</i>
Crested Dog's-tail	<i>Cynosurus cristatus</i>
Greater Plantain	<i>Plantago major</i>
Red Clover	<i>Trifolium pratense</i>
Yarrow	<i>Achillea millefolium</i>

Target Note Reference: SK4911 TN3

Survey Date: 19th August 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 4918 1182 Habitat Type(s): Plantation broadleaved woodland

Key Tree Species:-

Silver Birch	<i>Betula pendula</i>
Beech	<i>Fagus sylvatica</i>
Rowan	<i>Sorbus aucuparia</i>
Key Floral Species:-	
Holly	<i>Ilex aquifolium</i>
Bramble	<i>Rubus fruticosus agg.</i>
Bracken	<i>Pteridium aquilinum</i>
Creeping Soft-grass	<i>Holcus mollis</i>

Additional information: Rocky Plantation Reserve.

1km Grid Square SK4912**Target Note Reference: SK4912 TN1**

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4950 1290 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Beech	<i>Fagus sylvatica</i>	Dominant
Sweet Chestnut	<i>Castanea sativa</i>	
Holly	<i>Ilex aquifolium</i>	
With field layer:		
Bluebell	<i>Hyacinthoides non-scripta</i>	
Bramble	<i>Rubus fruticosus</i> agg.	
Enchanter's-nightshade	<i>Circaea lutetiana</i>	
Wood-sedge	<i>Carex sylvatica</i>	

Additional information: Mature beech-dominated woodland of plantation origin. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4912 TN2

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4972 1289 Habitat Type(s): Neutral grassland with scattered trees.

Key Floral Species:-

Red Fescue	<i>Festuca rubra</i> agg.	Abundant
Sweet Vernal Grass	<i>Anthoxanthum odoratum</i>	Abundant
Common Bent	<i>Agrostis capillaris</i>	Abundant
Crested Dog's-tail	<i>Cynosurus cristatus</i>	Abundant
Common Knapweed	<i>Centaurea nigra</i>	
Common Bird's-foot-trefoil	<i>Lotus corniculatus</i>	
Red Clover	<i>Trifolium pratense</i>	
Lesser Stitchwort	<i>Stellaria graminea</i>	
Soft Rush	<i>Juncus effusus</i> .	
Tormentil	<i>Potentilla erecta</i>	
Rough Hawkbit	<i>Leontodon hispidus</i>	
Betony	<i>Stachys officinalis</i>	
Great Burnet	<i>Sanguisorba officinalis</i>	
Pignut	<i>Conopodium majus</i>	
With:		
Pedunculate Oak	<i>Quercus robur</i>	

Additional information: Group of neutral grassland fields. Horse and cattle grazed – some sward damage. LWS site CBC W 4912/5 Poultney Farm.

Target Note Reference: SK4912 TN3

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4990 1283 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Reed Sweet-grass	<i>Glyceria maxima</i>
Yellow Iris	<i>Iris pseudacorus</i>
Wild Angelica	<i>Angelica sylvestris</i>
Reedmace	<i>Typha latifolia</i>
Himalayan Balsam	<i>Impatiens glandulifera</i>
Great Pond-sedge	<i>Carex riparia</i>

Additional information: Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4912 TN4

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4953 1270 Habitat Type(s): Neutral grassland / acid grassland

Key Floral Species:-

Common Bent	<i>Agrostis capillaris</i>
Red Fescue	<i>Festuca rubra</i> agg.
Sweet Vernal Grass	<i>Anthoxanthum odoratum</i>
Common Knapweed	<i>Centaurea nigra</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Common Bird's-foot-trefoil	<i>Lotus corniculatus</i>
Yellow-rattle	<i>Rhinanthus minor</i>
Common Cat's-ear	<i>Hypochaeris radicata</i>
Tormentil	<i>Potentilla erecta</i>
Bulbous Buttercup	<i>Ranunculus bulbosus</i>

Additional information: Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4912 TN5Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4969 1257 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Sweet Vernal Grass	<i>Anthoxanthum odoratum</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Common Cat's-ear	<i>Hypochaeris radicata</i>
Common Bird's-foot-trefoil	<i>Lotus corniculatus</i>
Yellow-rattle	<i>Rhinanthus minor</i>
Red Clover	<i>Trifolium pratense</i>
Oxeye Daisy	<i>Leucanthemum vulgare</i>

Additional information: Would merit further survey.

Target Note Reference: SK4912 TN6Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4990 1250 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Crested Dog's-tail	<i>Cynosurus cristatus</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Soft-brome	<i>Bromus hordeaceus</i>
White Clover	<i>Trifolium repens</i>
Common Sorrel	<i>Rumex acetosa</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Yellow-rattle	<i>Rhinanthus minor</i>
Sweet Vernal Grass	<i>Anthoxanthum odoratum</i>

Additional information: Hay meadow. Only moderately diverse.

Target Note Reference: SK4912 TN7Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4975 1212 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Hazel	<i>Corylus avellana</i>
Birch	<i>Betula sp.</i>
Rowan	<i>Sorbus aucuparia</i>
Holly	<i>Ilex aquifolium</i>
With field layer:	
Bluebell	<i>Hyacinthoides non-scripta</i>
Bramble	<i>Rubus fruticosus agg.</i>
Honeysuckle	<i>Lonicera periclymenum</i>
Bracken	<i>Pteridium aquilinum</i>

Additional information: Well structured fully mature oak woodland. No access. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4912 TN8Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4960 1250 Habitat Type(s): Mixed plantation woodland

Key Floral Species:-

Beech	<i>Fagus sylvatica</i>	
Scots pine	<i>Pinus sylvestris</i>	
Silver Birch	<i>Betula pendula</i>	
Rowan	<i>Sorbus aucuparia</i>	
Holly	<i>Ilex aquifolium</i>	Occasional

With field layer including:

Broad Buckler-fern	<i>Dryopteris dilatata</i>	Dominant
--------------------	----------------------------	----------

Additional information: Mixed beech/pine plantation.

Target Note Reference: SK4912 TN9Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4949 1230 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Beech	<i>Fagus sylvatica</i>
Sweet Chestnut	<i>Castanea sativa</i>
Rowan	<i>Sorbus aucuparia</i>
Holly	<i>Ilex aquifolium</i>

With field layer:

Bluebell	<i>Hyacinthoides non-scripta</i>
Bramble	<i>Rubus fruticosus</i> agg.
Wood-sorrel	<i>Oxalis acetosella</i>

Additional information: Hammerscliffe Lodge West Wood. LWS site CBC W4912/1.

Target Note Reference: SK4912 TN10Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4920 1260 Habitat Type(s): Scattered broadleaved trees/continuous bracken

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>	Dominant
Rowan	<i>Sorbus aucuparia</i>	

With field layer:

Bramble	<i>Rubus fruticosus</i> agg.
Bracken	<i>Pteridium aquilinum</i>

And grass patches

Wavy Hair-grass	<i>Deschampsia flexuosa</i>
Common Bent	<i>Agrostis capillaris</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Heath Bedstraw	<i>Galium saxatile</i>
Sheep's Sorrel [agg.]	<i>Rumex acetosella</i>

Additional information: Scattered broadleaved trees/ parkland trees set in continuous bracken with bramble thickets. Small patches of grassland. Scattered boulders. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4912 TN11Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4920 1266 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Floating Sweet-grass	<i>Glyceria fluitans</i>
Common Duckweed	<i>Lemna minor</i>
Soft Rush	<i>Juncus effusus</i>
Water-starwort	<i>Callitriche</i> sp.

Additional information: Semi-shaded.

Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4912 TN12Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4920 1275 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Beech	<i>Fagus sylvatica</i>
Hazel	<i>Corylus avellana</i>
Rowan	<i>Sorbus aucuparia</i>
Holly	<i>Ilex aquifolium</i>

With field layer:

Common Male Fern	<i>Dryopteris filix-mas</i>
Honeysuckle	<i>Lonicera periclymenum</i>
Bluebell	<i>Hyacinthoides non-scripta</i>
Bramble	<i>Rubus fruticosus</i> agg.

Additional information: Well structured mature woodland with plenty of standing and fallen dead wood. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4912 TN13Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4920 1285 Habitat Type(s): Scattered broadleaf trees/acid grassland

Key Floral Species:-

Pedunculate Oak

Quercus robur

Holly

Ilex aquifolium

Rowan

Sorbus aucuparia

In matrix of:

a fescue

Festuca sp.

Sheep's Fescue [agg.]

Festuca ovina agg.

Common Bent

Agrostis capillaris

Heath Bedstraw

Galium saxatile

Sweet Vernal Grass

Anthoxanthum odoratum

Tormentil

Potentilla erecta

With patches of:

Heather

Calluna vulgaris

Gorse

*Ulex europaeus**Additional information:* Part of Ulverscroft Valley SSSI.Target Note Reference: SK4912 TN14Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4935 1280 Habitat Type(s): Broadleaf woodland

Key Floral Species:-

Silver Birch

*Betula pendula**Additional information:* Dense young birch woodland. Some being cleared. Part of Ulverscroft Valley SSSI.Target Note Reference: SK4912 TN15Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4986 1291 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Alder

Alnus glutinosa

Rowan

Sorbus aucuparia

Silver Birch

Betula pendula.

Willow

Salix sp.

Bramble

Rubus fruticosus agg.

Holly

Ilex aquifolium

With field layer:

Meadowsweet

Filipendula ulmaria

Wood-sedge

Carex sylvatica

Soft rush

Juncus effusus

Cuckoo-flower

Cardamine pratensis

Common Nettle

Urtica dioica

Marsh Marigold

*Caltha palustris**Additional information:* Alder-dominated woodland with willow/rowan/birch shrub layer. Bramble and holly in drier patches. Part of Ulverscroft Valley SSSI.Target Note Reference: SK4912 TN16Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4996 1287

Habitat Type(s): Mixed plantation

Key Floral Species:-

Norway Spruce

Picea abies

Pedunculate Oak

Quercus robur

Hazel

Corylus avellana

Rhododendron

Rhododendron ponticum

Alder

Alnus glutinosa

Rowan

Sorbus aucuparia

Willow

Salix spp.

Holly

Ilex aquifolium

With field layer:

Bluebell

Hyacinthoides non-scripta

Bramble

Rubus fruticosus agg.

And to water's edge:

Sedge	<i>Carex sp.</i>
Reed Sweet-grass	<i>Glyceria maxima</i>
Yellow Iris	<i>Iris pseudacorus</i>

Additional information: Mixed plantation fringing eutrophic open water. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4912 TN17

Survey Date: 4th June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 4998 1273 *Habitat Type(s):* Standing water eutrophic
Key Floral Species:-
 Branched Bur-reed *Sparganium erectum*
 Reedmace *Typha latifolia*

Additional information: Pond surveyed through binoculars due to limited access.

Target Note Reference: SK4912 TN18

Survey Date: 4th June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 4995 1275 *Habitat Type(s):* Standing water eutrophic

Key Floral Species:-
 Rush *Juncus sp.*
 Willow *Salix sp.*

Additional information: Pond surveyed through binoculars due to limited access. Rushes and willows noted at fringe.

Target Note Reference: SK4912 TN19

Survey Date: 4th June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 4957 1212 *Habitat Type(s):* Standing water eutrophic
Key Floral Species:-
 Common Duckweed *Lemna minor*
 Broad-leaved Pondweed *Potamogeton natans*

Additional information: Small, very shaded pond, no access but visible species noted.

1km Grid Square SK4913Target Note Reference: SK4913 TN1

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4955 1366 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Crack Willow	<i>Salix fragilis</i>
Pedunculate Oak	<i>Quercus robur</i>
Elder	<i>Sambucus nigra</i>
Ash	<i>Fraxinus excelsior</i>
Hazel	<i>Corylus avellana</i>
Field Maple	<i>Acer campestre</i>
Holly	<i>Ilex aquifolium</i>
With field layer:	
Bluebell	<i>Hyacinthoides non-scripta</i>
Dog's Mercury	<i>Mercurialis perennis</i>
Primrose	<i>Primula vulgaris</i>
Lords-and-ladies	<i>Arum maculatum</i>
Three-nerved Sandwort	<i>Moebria trinervia</i>

Additional information: Narrow woodland strip, probably formerly a rich double hedgerow with trees bordering deep dry ditch with woodland field layer.

Target Note Reference: SK4913 TN2

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4969 1355 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hazel	<i>Corylus avellana</i>
Apple	<i>Malus sylvestris</i>
Gorse	<i>Ulex europaeus</i>
Rowan	<i>Sorbus aucuparia</i>
Blackthorn	<i>Prunus spinosa</i>
Pedunculate Oak	<i>Quercus robur</i>
Elder	<i>Sambucus nigra</i>
Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Holly	<i>Ilex aquifolium</i>

Additional information: Thick, tall hedge with dry ditch. Woodland field layer and several fine oak trees.

Target Note Reference: SK4913 TN3

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4950 1343 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

White Willow	<i>Salix alba</i>
Meadowsweet	<i>Filipendula ulmaria</i>
a sedge	<i>Carex sp.</i>
Marsh Marigold	<i>Caltha palustris</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Great Horsetail	<i>Equisetum telmateia</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Wild Angelica	<i>Angelica sylvestris</i>
Wood Anemone	<i>Anemone nemorosa</i>
Dog's Mercury	<i>Mercurialis perennis</i>

Additional information: Wet willow woodland with woodland/marsh field layer. Part of LWS Ulverscroft Nature Reserve CBC W4913/3.

Target Note Reference: SK4913 TN4

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 4974 1315 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Alder	<i>Alnus glutinosa</i>
Opposite-leaved Golden-saxifrage	<i>Chrysosplenium oppositifolium</i>
Wood-sorrel	<i>Oxalis acetosella</i>
Yellow Pimpernel	<i>Lysimachia nemorum</i>
Common Figwort	<i>Scrophularia nodosa</i>
Marsh Marigold	<i>Caltha palustris</i>
Primrose	<i>Primula vulgaris</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Bluebell	<i>Hyacinthoides non-scripta</i>

Additional information: Well-structured alder woodland. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4913 TN5

Survey Date: 4th June 2010 *Surveyor:* John Moore PhD MIEEM

Grid Reference: SK 4964 1318 *Habitat Type(s):* Marshy grassland

Key Floral Species:-

Soft Rush	<i>Juncus effusus</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Dominant	
Wild Angelica	<i>Angelica sylvestris</i>
Great Burnet	<i>Sanguisorba officinalis</i>
Lesser Spearwort	<i>Ranunculus flammula</i>
Cuckoo-flower	<i>Cardamine pratensis</i>
Marsh Thistle	<i>Cirsium palustre</i>
Common Marsh-bedstraw	<i>Galium palustre</i>
Marsh Marigold	<i>Caltha palustris</i>
Floating Sweet-grass	<i>Glyceria fluitans</i>

Additional information: Woodland being cleared. Marshy grassland with remnant ridge and furrow. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4913 TN6

Survey Date: 4th June 2010 *Surveyor:* John Moore PhD MIEEM

Grid Reference: SK 4958 1323 *Habitat Type(s):* Semi-natural broadleaved woodland

Key Floral Species:-

Alder	<i>Alnus glutinosa</i>
Opposite-leaved Golden-saxifrage	<i>Chrysosplenium oppositifolium</i>
Wood-sorrel	<i>Oxalis acetosella</i>
Yellow Pimpernel	<i>Lysimachia nemorum</i>
Common Figwort	<i>Scrophularia nodosa</i>
Marsh Marigold	<i>Caltha palustris</i>
Primrose	<i>Primula vulgaris</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Bluebell	<i>Hyacinthoides non-scripta</i>

Additional information: Well-structured alder woodland. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4913 TN7

Survey Date: 4th June 2010 *Surveyor:* John Moore PhD MIEEM

Grid Reference: SK 4945 1321 *Habitat Type(s):* Semi-natural broadleaved woodland

Key Floral Species:-

Alder	<i>Alnus glutinosa</i>
Hazel	<i>Corylus avellana</i>
Holly	<i>Ilex aquifolium</i>
Several Willows	<i>Salix spp.</i>
<i>With field layer:</i>	
Marsh Marigold	<i>Caltha palustris</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Bluebell	<i>Hyacinthoides non-scripta</i>
Opposite-leaved Golden-saxifrage	<i>Chrysosplenium oppositifolium</i>
Wood Anemone	<i>Anemone nemorosa</i>
Common Valerian	<i>Valeriana officinalis</i>
Greater Stitchwort	<i>Stellaria holostea</i>

Additional information: Alder woodland with shrub layer and rich field layer. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4913 TN8

Survey Date: 4th June 2010 *Surveyor:* John Moore PhD MIEEM

Grid Reference: SK 4940 1316 *Habitat Type(s):* Neutral grassland

Key Floral Species:-

Common Bent	<i>Agrostis capillaris</i>
Sweet Vernal Grass	<i>Anthoxanthum odoratum</i>
Red Fescue	<i>Festuca rubra</i>
<i>With:</i>	
Betony	<i>Stachys officinalis</i>
Tormentil	<i>Potentilla erecta</i>
Great Burnet	<i>Sanguisorba officinalis</i>
Soft Rush	<i>Juncus effusus</i>
Devil's-bit Scabious	<i>Succisa pratensis</i>

Meadow Vetchling	<i>Lathyrus pratensis</i>
Large Bird's-foot-trefoil	<i>Lotus pedunculatus</i>
Bugle	<i>Ajuga reptans</i>

Additional information: Group of five adjoining neutral to slightly acidic damp unimproved grassland fields. Cattle grazed. – excellent habitat. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4913 TN9

Survey Date: 4th June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 4935 1333 *Habitat Type(s):* Semi-natural broadleaved woodland
Key Floral Species:-
 Eared Willow *Salix aurita*
 Ash *Fraxinus excelsior*
 Pedunculate Oak *Quercus robur*

Additional information: Well structured, wet woodland with good field layer. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK4913 TN10

Survey Date: 4th June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 4943 1338 *Habitat Type(s):* Neutral/marshy grassland
Key Floral Species:-
 Common Bent *Agrostis capillaris*
 Red Fescue *Festuca rubra* agg. Dominant
 Common Bird's-foot-trefoil *Lotus corniculatus*
 Common Knapweed *Centaurea nigra*
 Pignut *Conopodium majus*
 Betony *Stachys officinalis*
 Ribwort Plantain *Plantago lanceolata*

Additional information: Mostly unimproved neutral grassland with marshy grassland to edge. Slightly acidic, species rich. Part of Ulverscroft Valley SSSI

Target Note Reference: SK4913 TN11

Survey Date: 4th June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 4952 1334 *Habitat Type(s):* Neutral grassland
Key Floral Species:-
 Common Bent *Agrostis capillaris*
 Sweet Vernal Grass *Anthoxanthum odoratum*
 Red Fescue *Festuca rubra*
With occasional:
 Common Bird's-foot-trefoil *Lotus corniculatus*
 Betony *Stachys officinalis*
 Common Knapweed *Centaurea nigra*
 Common Vetch *Vicia sativa*
 Germander Speedwell *Veronica chamaedrys*
 Ribwort Plantain *Plantago lanceolata*
 Pignut *Conopodium majus*
 Tormentil *Potentilla erecta*
 Meadow Vetchling *Lathyrus pratensis*

Additional information: Part of LWS CBC W4913/3.

Target Note Reference: SK4913 TN12

Survey Date: 4th June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 4928 1329 *Habitat Type(s):* Species-rich hedgerow with trees
Key Floral Species:-
 Pedunculate Oak *Quercus robur*
 Silver Birch *Betula pendula*
 Willow *Salix* spp.
 Rowan *Sorbus aucuparia*
 Blackthorn *Prunus spinosa*
 Hawthorn *Crataegus monogyna*
 Holly *Ilex aquifolium*

Additional information: Unmanaged stream-side hedgerow.

Target Note Reference: SK4913 TN13

Survey Date: 2nd June 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 4958 1384 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Floating Sweet-grass
with neighbouring scrub:

Glyceria fluitans

Hawthorn

Crataegus monogyna

Goat willow

Salix caprea

Additional information: 12x4m roadside pond. Shallow (<1m), surrounded by hawthorn and willow scrub.

1km Grid Square SK4923Target Note Reference: SK4923 TN1

Survey Date: 9th June 2010 Surveyor: Mike Poulton MSc AIEEM

Grid Reference: SK 4934 2327 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Pedunculate Oak

Quercus robur

Elder

Sambucus nigra

Poplar

Populus sp.

With field layer:

Common Nettle

Urtica dioica

Hogweed

Heracleum sphondylium

Standing water:

Yellow iris

Iris pseudacorus

Additional information: Broadleaved wooded area along stream and surrounding two large ponds. Only a partial view of the ponds was possible but yellow iris dominant in both. Hogweed abundant on stream banks.

1km Grid Square SK5009

Target Note Reference: SK5009 TN1

Survey Date: 6th October 2011 *Surveyor:* Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5050 0996 *Habitat Type(s):* Recently felled broadleaved plantation woodland

Key Floral Species:-

Gorse	<i>Ulex europaeus</i>
Great Mullein	<i>Verbascum thapsus</i>
Broad-leaved Willowherb	<i>Epilobium montanum</i>
Soft Rush	<i>Juncus effusus</i>
Red Fescue	<i>Festuca rubra</i> agg.
Red Campion	<i>Silene dioica</i>
Bramble	<i>Rubus fruticosus</i> agg.
Bracken	<i>Pteridium aquilinum</i>

Additional information: Appears to have been felled two to three years prior to survey date.

1km Grid Square SK5010Target Note Reference: SK5010 TN1

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5027 1011 Habitat Type(s): Broadleaved woodland

Key Floral Species:-

Silver Birch	<i>Betula pendula</i>
Pedunculate Oak	<i>Quercus robur</i>
Rowan	<i>Sorbus aucuparia</i>
Beech	<i>Fagus sylvatica</i>
Scots Pine	<i>Pinus sylvestris</i>
Hazel	<i>Corylus avellana</i>
With field layer:	
Bramble	<i>Rubus fruticosus</i> agg.
Bracken	<i>Pteridium aquilinum</i>
Bluebell	<i>Hyacinthoides non-scripta</i>
Wood sorrel	<i>Oxalis acetosella</i>
Wood anemone	<i>Anemone nemorosa</i>

Additional information: Semi-natural broadleaved woodland comprising mostly oak, birch and rowan but with occasional planted beech and Scots pine. Part of LWS W5010/10.

Target Note Reference: SK5010 TN2

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5047 1031 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Pedunculate Oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Silver Birch	<i>Betula pendula</i>
Hazel	<i>Corylus avellana</i>
Holly	<i>Ilex aquifolium</i>
Elder	<i>Sambucus nigra</i>

Additional information: Species-rich hedgerow with trees along dry ditch.

Target Note Reference: SK5010 TN3

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5091 1042 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Pedunculate Oak	<i>Quercus robur</i>
Guelder rose	<i>Viburnum opulus</i>
Hazel	<i>Corylus avellana</i>
Dog rose	<i>Rosa canina</i>
Elder	<i>Sambucus nigra</i>
Goat willow	<i>Salix caprea</i>
Blackthorn	<i>Prunus spinosa</i>

Additional information: Species-rich hedgerow with trees along dry ditch.

Target Note Reference: SK5010 TN4

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5069 1030 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Apple	<i>Malus sylvestris</i> sens. lat.
Holly	<i>Ilex aquifolium</i>
Elder	<i>Sambucus nigra</i>
Ash	<i>Fraxinus excelsior</i>
Hazel	<i>Corylus avellana</i>
Pedunculate Oak	<i>Quercus robur</i>
Dog rose	<i>Rosa canina</i>
Goat willow	<i>Salix caprea</i>
Blackthorn	<i>Prunus spinosa</i>

Additional information: Part of Local Wildlife Site W5010/11.

Target Note Reference: SK5010 TN5

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM
 Grid Reference: SK 5074 1018 Habitat Type(s): Species-rich hedgerow with trees
 Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Apple	<i>Malus sylvestris sens. lat.</i>
Holly	<i>Ilex aquifolium</i>
Silver birch	<i>Betula pendula</i>
Hazel	<i>Corylus avellana</i>
Pedunculate Oak	<i>Quercus robur</i>
Goat willow	<i>Salix caprea</i>
Blackthorn	<i>Prunus spinosa</i>
Rowan	<i>Sorbus aucuparia</i>

Additional information: Part of Local Wildlife Site W5010/11.

Target Note Reference: SK5010 TN6

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM
 Grid Reference: SK 5091 1028 Habitat Type(s): Species-rich hedgerow with trees
 Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Elder	<i>Sambucus nigra</i>
Holly	<i>Ilex aquifolium</i>
Hazel	<i>Corylus avellana</i>
Dog rose	<i>Rosa canina</i>
Pedunculate Oak	<i>Quercus robur</i>
Goat willow	<i>Salix caprea</i>
Silver birch	<i>Betula pendula</i>
Blackthorn	<i>Prunus spinosa</i>
Rowan	<i>Sorbus aucuparia</i>

Additional information: Part of Local Wildlife Site W5010/11.

Target Note Reference: SK5010 TN7

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM
 Grid Reference: SK 5099 1047 Habitat Type(s): Species-rich hedgerow with trees
 Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Elder	<i>Sambucus nigra</i>
Holly	<i>Ilex aquifolium</i>
Hazel	<i>Corylus avellana</i>
Dog rose	<i>Rosa canina</i>
Pedunculate Oak	<i>Quercus robur</i>
Goat willow	<i>Salix caprea</i>
Silver birch	<i>Betula pendula</i>
Sycamore	<i>Acer pseudoplatanus</i>
Blackthorn	<i>Prunus spinosa</i>
Rowan	<i>Sorbus aucuparia</i>

Additional information: Part of Local Wildlife Site W5010/11.

Target Note Reference: SK5010 TN8

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM
 Grid Reference: SK 5057 1060 Habitat Type(s): Broadleaved and mixed woodland
 plantation

Key Floral Species:-

Broadleaved woodland to north of track:

Silver birch	<i>Betula pendula</i>
Sycamore	<i>Acer pseudoplatanus</i>
Pedunculate Oak	<i>Quercus robur</i>
Understorey:	
Rowan	<i>Sorbus aucuparia</i>
Hazel	<i>Corylus avellana</i>

Field layer:

Bracken	<i>Pteridium aquilinum</i>
Creeping soft grass	<i>Holcus mollis</i>
Bluebell	<i>Hyacinthoides non-scripta</i>
Wood millet	<i>Milium effusum</i>

Mixed woodland to south of track - similar to above but also:

Corsican pine	<i>Pinus nigra</i>
Field layer:	
Bluebell	<i>Hyacinthoides non-scripta</i>
Great wood rush	<i>Luzula sylvatica</i>

Additional information: Part of Local Wildlife Site W5010/3.

Target Note Reference: SK5010 TN9

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5083 1071 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Floating sweetgrass	<i>Glyceria fluitans</i>
Soft rush	<i>Juncus effusus</i>
Wild angelica	<i>Angelica sylvestris</i>
Yellow flag iris	<i>Iris pseudacorus</i>
Surrounding woodland:	
Ash	<i>Fraxinus excelsior</i>
Hazel	<i>Corylus avellana</i>
Bluebells	<i>Hyacinthoides non-scripta</i>
Dog's mercury	<i>Mercurialis perennis</i>
Wild garlic	<i>Allium ursinum</i>
Opposite leaved golden saxifrage	<i>Chrysosplenium oppositifolium</i>
Sanicle	<i>Sanicula europaea</i>
Wood melick	<i>Melica uniflora</i>

Additional information: Part of Local Wildlife Site W5010/3.

Target Note Reference: SK5010 TN10

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5009 1044 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Elder	<i>Sambucus nigra</i>
Holly	<i>Ilex aquifolium</i>

Hazel	<i>Corylus avellana</i>
Dog rose	<i>Rosa canina</i>
Pedunculate Oak	<i>Quercus robur</i>
Goat willow	<i>Salix caprea</i>
Silver birch	<i>Betula pendula</i>
Blackthorn	<i>Prunus spinosa</i>
Rowan	<i>Sorbus aucuparia</i>

Additional information: Part of Local Wildlife Site W5010/6.

Target Note Reference: SK5010 TN11

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5026 1056 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Elder	<i>Sambucus nigra</i>
Holly	<i>Ilex aquifolium</i>
Hazel	<i>Corylus avellana</i>
Dog rose	<i>Rosa canina</i>
Pedunculate Oak	<i>Quercus robur</i>
Grey willow	<i>Salix cinerea</i>
Silver birch	<i>Betula pendula</i>
Guelder rose	<i>Viburnum opulus</i>
Apple	<i>Malus sylvestris sens. lat.</i>
Blackthorn	<i>Prunus spinosa</i>
Rowan	<i>Sorbus aucuparia</i>

Additional information: Part of Local Wildlife Site W5010/6.

Target Note Reference: SK5010 TN12

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5002 1062 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Elder	<i>Sambucus nigra</i>
Dog rose	<i>Rosa canina</i>

Goat willow	<i>Salix caprea</i>
Hazel	<i>Corylus avellana</i>
Pedunculate Oak	<i>Quercus robur</i>
Holly	<i>Ilex aquifolium</i>
Apple	<i>Malus sylvestris sens. lat.</i>
Ash	<i>Fraxinus excelsior</i>
Rowan	<i>Sorbus aucuparia</i>
Blackthorn	<i>Prunus spinosa</i>
Rowan	<i>Sorbus aucuparia</i>

Target Note Reference: SK5010 TN13

Survey Date: 29th March 2011 *Surveyor:* Sean Gallagher MSc MIEEM
Grid Reference: SK 5009 1073 *Habitat Type(s):* Bluebells
Key Floral Species:-
 Bluebells

Hyacinthoides non-scripta

Target Note Reference: SK5010 TN14

Survey Date: 29th March 2011 *Surveyor:* Sean Gallagher MSc MIEEM
Grid Reference: SK 5002 1088 *Habitat Type(s):* Mixed plantation woodland
Key Floral Species:-
 Sitka spruce
 Alder
 Bluebell
 Wood sorrel
 Foxglove
 Wood sage
 Bugle
 Yellow archangel
 Ramsons
 Dog's mercury

Picea sitchensis
Alnus glutinosa
Hyacinthoides non-scripta
Oxalis acetosella
Digitalis purpurea
Teucrium scorodonia
Ajuga reptans
Lamium galeobdolon
Allium ursinum
Mercurialis perennis

Additional information:- Mixed plantation woodland, mainly spruce but with semi-natural alder woodland along stream. On an ancient woodland site and alder woodland understorey contains a number of ancient woodland indicator species – yellow archangel, ramsons and dog's mercury. Part of Local Wildlife Site 4910/8.

Target Note Reference: SK5010 TN15

Survey Date: 29th March 2011 *Surveyor:* Sean Gallagher MSc MIEEM
Grid Reference: SK 5050 1077 *Habitat Type(s):* Neutral grassland (damp)
Key Floral Species:-
 Yorkshire fog
 Cock's foot
 Soft rush
 Crested dog's tail
 Sweet vernal grass
 Meadow foxtail

Holcus lanatus
Dactylis glomerata
Juncus effusus
Cynosurus cristatus
Anthoxanthum odoratum
Alopecurus pratensis

Additional information:- Part of Ulverscroft Valley SSSI.

Damp grassland with a variety of grasses and forbs. Many areas with rush invasion.

Target Note Reference: SK5010 TN16

Survey Date: 29th March 2011 *Surveyor:* Sean Gallagher MSc MIEEM
Grid Reference: SK 5077 1082 *Habitat Type(s):* Species-rich hedgerow with trees
Key Floral Species:-
 Hawthorn
 Ash
 Hazel
 Elder
 Goat willow
 Rowan
 Dog rose
 Birch
 Holly
 Blackthorn

Crataegus monogyna
Fraxinus excelsior
Corylus avellana
Sambucus nigra
Salix caprea
Sorbus aucuparia
Rosa canina
Betula pendula
Ilex aquifolium
Prunus spinosa

Additional information:- Part of Local Wildlife Site 5010/8, Browns Hay Hedge.

Target Note Reference: SK5010 TN17

Survey Date: 29th March 2011 *Surveyor:* Sean Gallagher MSc MIEEM
Grid Reference: SK 5032 1090 *Habitat Type(s):* Broadleaved woodland and tall ruderal
Key Floral Species:-
 Crack willow
 Alder

Salix fragilis
Alnus glutinosa

Ramsons
Common nettle
Cock's foot
Creeping soft grass
False oat grass
Lesser celandine
Cleavers
Perennial rye grass

Allium ursinum
Urtica dioica
Dactylis glomerata
Holcus mollis
Arrhenatherum elatius
Ranunculus ficaria
Galium aparine
Lolium perenne

Additional information:- Woodland along stream with tall ruderal field layer. Wild garlic (*Allium ursinum*) on stream banks.

Target Note Reference: SK5010 TN18

Survey Date: 29th March 2011 *Surveyor:* Sean Gallagher MSc MIEEM
Grid Reference: SK 5042 1094 *Habitat Type(s):* Poor semi-improved grassland
Key Floral Species:-

Yorkshire fog
Cock's foot
Perennial rye grass
Sweet vernal grass
Meadow foxtail
Meadow buttercup
Creeping buttercup
Common sorrel
Ribwort plantain
White clover
Hogweed
Common knapweed
Dandelion
Field wood rush

Holcus lanatus
Dactylis glomerata
Lolium perenne
Anthoxanthum odoratum
Alopecurus pratensis
Ranunculus acris
Ranunculus repens
Rumex acetosa
Platago lanceolata
Trifolium repens
Heraclenum sphondylium
Centaurea nigra
Taraxacum officinale agg.
Luzula campestris

Additional information:- Generally species-poor semi-improved grassland, but with some noteworthy species.

Target Note Reference: SK5010 TN19

Survey Date: 29th March 2011 *Surveyor:* Sean Gallagher MSc MIEEM
Grid Reference: SK 5025 1096 *Habitat Type(s):* Semi-improved neutral grassland

Key Floral Species:-
Sweet vernal grass
Meadow foxtail
Yorkshire fog
Field wood rush
Common knapweed
Common bird's foot trefoil
Betony
Meadow vetchling
Tufted hair grass
Hairy sedge
Sheep's fescue

Anthoxanthum odoratum
Alopecurus pratensis
Holcus lanatus
Luzula campestris
Centaurea nigra
Lotus corniculatus
Stachys officinalis
Lathyrus pratensis
Deschampsia caespitosa
Carex hirta
Festuca ovina agg.

Additional information:- Gently sloping with dry upslope and wetter downslope. Part of Local Wildlife Site W5010/7.

Target Note Reference: SK5010 TN20

Survey Date: 29th March 2011 *Surveyor:* Sean Gallagher MSc MIEEM
Grid Reference: SK 5025 1089 *Habitat Type(s):* Broadleaved woodland (damp)

Key Floral Species:-
Alder
Ground flora:
Wild garlic
Lesser celandine
Wood anemone
False brome
Bluebell
Red campion
Wood sorrel
Herb Robert
Greater stitchwort

Alnus glutinosa
Allium ursinum
Ranunculus ficaria
Anemone nemorosa
Brachypodium sylvaticum
Hyacinthoides non-scripta
Silene dioica
Oxalis acetosella
Geranium robertianum
Stellaria holostea

Additional information:- Streamside damp woodland.

Target Note Reference: SK5010 TN21

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5063 1089 Habitat Type(s): Marshy grassland

Key Floral Species:-

Alder	<i>Alnus glutinosa</i>
Crack willow	<i>Salix fragilis</i>
Hazel	<i>Corylus avellana</i>
Lesser pond sedge	<i>Carex acutiformis</i>
Tussock sedge	<i>Carex diandra</i>
Sweet vernal grass	<i>Anthoxanthum odoratum</i>
Tufted hair grass	<i>Deschampsia caespitosa</i>
Common knapweed	<i>Centaurea nigra</i>
Meadow vetchling	<i>Lathyrus pratensis</i>
Marsh marigold	<i>Caltha palustris</i>
Cuckoo flower	<i>Cardamine pratensis</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Greater willowherb	<i>Epilobium hirsutum</i>

Additional information:- Area of mixed grassland habitats – semi-improved neutral grassland, marshy grassland and some areas of swamp vegetation next to stream. Alder and willow trees along stream bank with some hazel understorey. Part of LWS W5010/1.

Target Note Reference: SK5010 TN22

Survey Date: 6th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5084 1001 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Dog rose	<i>Rosa canina</i>
Ash	<i>Fraxinus excelsior</i>
Holly	<i>Ilex aquifolium</i>
Pedunculate Oak	<i>Quercus robur</i>
Field Maple	<i>Acer campestre</i>

1km Grid Square SK5011**Target Note Reference: SK5011 TN1**

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5084 1196 Habitat Type(s): Mixed plantation

Key Floral Species:-

Pine	<i>Pinus sp.</i>
Scots Pine	<i>Pinus sylvestris</i>
Pedunculate Oak	<i>Quercus robur</i>
Hazel	<i>Corylus avellana</i>
Birch	<i>Betula sp.</i>
Rowan	<i>Sorbus aucuparia</i>
Holly	<i>Ilex aquifolium</i>
With field layer:	
Bramble	<i>Rubus fruticosus</i> agg.
Bracken	<i>Pteridium aquilinum</i>
Bluebell	<i>Hyacinthoides non-scripta</i>

Additional information: Pine dominated plantation with broadleaved.

Target Note Reference: SK5011 TN2

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5017 1108 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Meadow foxtail	<i>Alopecurus pratensis</i>
Cock's foot	<i>Dactylis glomerata</i>
Wood sage	<i>Teucrium scorodonia</i>
Common cat's ear	<i>Hypochaeris radicata</i>
Sheep's sorrel	<i>Rumex acetosella</i>
Sweet vernal grass	<i>Anthoxanthum odoratum</i>

Additional information: Small old quarry with steep slope. Mainly semi-improved neutral grassland.

Target Note Reference: SK5011 TN3

Survey Date: 29th March 2011

Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5011 1152 Habitat Type(s): Plantation conifer woodland

Additional information:- Conifer plantation with birch edges and network of drainage ditches.

Target Note Reference: SK5011 TN4

Survey Date: 29th March 2011

Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5032 1131 Habitat Type(s): Woodland ride

Key Floral Species:

Opposite leaved golden saxifrage	<i>Chrysosplenium oppositifolium</i>
Bluebell	<i>Hyacinthoides non-scripta</i>

Additional information:- Damp woodland ride through plantation conifer woodland with a variety of typical species.

Target Note Reference: SK5011 TN5

Survey Date: 29th March 2011

Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5049 1175 Habitat Type(s): Broadleaved woodland ground flora

Key Floral Species:

Ramsons	<i>Allium ursinum</i>
Dog's mercury	<i>Mercurialis perennis</i>

Additional information:- Wild garlic (ramsons) and dog's mercury in woodland field layer beside road. Near stream.

Target Note Reference: SK5011 TN6

Survey Date: 29th March 2011

Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5061 1166 Habitat Type(s): Unimproved neutral grassland

Key Floral Species:

Soft rush	<i>Juncus effusus</i>
Lesser celandine	<i>Ranunculus ficaria</i>
Field garlic	<i>Allium oleraceum</i>
Field woodrush	<i>Luzula campestris</i>
Betony	<i>Stachys officinalis</i>

Meadow buttercup	<i>Ranunculus acris</i>
Creeping buttercup	<i>Ranunculus repens</i>
Marsh thistle	<i>Cirsium palustre</i>
Great burnet	<i>Sanguisorba officinalis</i>
Meadow vetchling	<i>Lathyrus pratensis</i>
Common bird's foot trefoil	<i>Lotus corniculatus</i>
Greater bird's foot trefoil	<i>Lotus pedunculatus</i>
Pignut	<i>Conopodium majus</i>
Common sorrel	<i>Rumex acetosa</i>
Cuckoo flower	<i>Cardamine pratensis</i>
Marsh marigold	<i>Caltha palustris</i>
Greater spearwort	<i>Ranunculus lingua</i>
Wavy bittercress	<i>Cardamine flexuosa</i>
Common spotted orchid	<i>Dactylorhiza fuchsii</i>
Glaucous sedge	<i>Carex flacca</i>
Common sedge	<i>Carex nigra</i>
Common figwort	<i>Scrophularia nodosa</i>
Tufted hair grass	<i>Deschampsia caespitosa</i>

Additional information:- Unimproved neutral grassland becoming damp close to stream. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK5011 TN7

<i>Survey Date:</i> 29 th March 2011	<i>Surveyor:</i> Sean Gallagher MSc MIEEM
<i>Grid Reference:</i> SK 5071 1178	<i>Habitat Type(s):</i> Semi-improved neutral grassland
<i>Key Floral Species:</i>	
Meadow foxtail	<i>Alopecurus pratensis</i>
Meadow crane's bill	<i>Geranium pratense</i>
Hogweed	<i>Heracleum sphondylium</i>
Red fescue	<i>Festuca rubra</i>
Soft rush	<i>Juncus effusus</i>

Additional information:- Two fields of Unimproved neutral grassland becoming damp close to stream. The southern area is part of Ulverscroft Valley SSSI.

Target Note Reference: SK5011 TN8

<i>Survey Date:</i> 29 th March 2011	<i>Surveyor:</i> Sean Gallagher MSc MIEEM
<i>Grid Reference:</i> SK 5082 1124	<i>Habitat Type(s):</i> Unimproved neutral grassland
<i>Key Floral Species:</i>	
Yorkshire fog	<i>Holcus lanatus</i>
Common sedge	<i>Carex nigra</i>
Lesser pond sedge	<i>Carex acutiformis</i>
Soft rush	<i>Juncus effusus</i>
Cuckoo flower	<i>Cardamine pratensis</i>
Greater bird's foot trefoil	<i>Lotus pedunculatus</i>
Common marsh bedstraw	<i>Galium palustre</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Tufted hair grass	<i>Deschampsia caespitosa</i>
Sweet vernal grass	<i>Anthoxanthum odoratum</i>

Additional information:- Unimproved neutral grassland, becoming damp toward stream. Part of Local Wildlife Site W5011/7.

1km Grid Square SK5012Target Note Reference: SK5012 TN1

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5049 1245 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Blackthorn	<i>Prunus spinosa</i>
Beech	<i>Fagus sylvatica</i>
Hazel	<i>Corylus avellana</i>
Rowan	<i>Sorbus aucuparia</i>
Holly	<i>Ilex aquifolium</i>
With field layer:	
Bluebell	<i>Hyacinthoides non-scripta</i>
Greater Stitchwort	<i>Stellaria holostea</i>
Common Figwort	<i>Scrophularia nodosa</i>
Enchanter's-nightshade	<i>Circaea lutetiana</i>
Yellow Pimpernel	<i>Lysimachia nemorum</i>

Additional information: Essentially forms a narrow strip of woodland. The hedgerow has been notified as a LWS (ref. W5012/2).

Target Note Reference: SK5012 TN2

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5094 1234 Habitat Type(s): Semi-natural broadleaved Woodland

Key Floral Species:-

Silver Birch	<i>Betula pendula</i>
Downy Birch	<i>Betula pubescens</i>
Holly	<i>Ilex aquifolium</i>
Pedunculate Oak	<i>Quercus robur</i>
Goat Willow	<i>Salix caprea</i>
With field layer:	
Bramble	<i>Rubus fruticosus</i>
Creeping Soft-grass	<i>Holcus mollis</i>
Bracken	<i>Pteridium aquilinum</i>
Bluebell	<i>Hyacinthoides non-scripta</i>
Greater Stitchwort	<i>Stellaria holostea</i>

Additional information: Narrow strip of woodland between stone walls, damp in places. Part of Benscliffe Wood LWS (CBC W5112/1).

Target Note Reference: SK5012 TN3

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5052 1243 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>	Dominant
Beech	<i>Fagus sylvatica</i>	
Hazel	<i>Corylus avellana</i>	
Rowan	<i>Sorbus aucuparia</i>	
Holly	<i>Ilex aquifolium</i>	
With field layer:		
Rhododendron	<i>Rhododendron ponticum</i>	
Bramble	<i>Rubus fruticosus</i> agg.	
Honeysuckle	<i>Lonicera periclymenum</i>	
Bracken	<i>Pteridium aquilinum</i>	

Target Note Reference: SK5012 TN4

Survey Date: 4th June 2010 (29th March 2011 – additional visit)

Surveyor: John Moore PhD MIEEM (additional visit by Sean Gallagher MSc MIEEM)

Grid Reference: SK 5058 1200

Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Pedunculate Oak

Quercus robur

Ash

Fraxinus excelsior

Alder

Alnus glutinosa

Crack willow

Salix fragilis

Hawthorn

Crataegus monogyna

Downy birch

Betula pubescens

Hazel

Corylus avellana

Holly

Ilex aquifolium

With field layer including:

Bluebell

Hyacinthoides non-scripta

Bramble

Rubus fruticosus

Dog rose

Rosa canina

Honeysuckle

Lonicera perichlymenum

Wood Anemone

Anemone nemorosa

Herb-robert

Geranium robertianum

Greater Stitchwort

Stellaria holostea

Himalayan Balsam

Impatiens glandulifera (patches)

Dog's Mercury

Mercurialis perennis

Additional information: Streamside broadleaved woodland. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK5012 TN5

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5030 1225

Habitat Type(s): Marshy grassland with scattered trees and scrub

Key Floral Species:-

Pedunculate Oak

Quercus robur

Ash

Fraxinus excelsior

Willow

Salix sp.

Hawthorn

Crataegus monogyna

Birch

Betula sp.

Hazel

Corylus avellana

Holly

Ilex aquifolium

Gorse

Ulex europaeus

Tufted Hair-grass

Deschampsia caespitosa

Soft Rush

Juncus effusus

Marsh Thistle

Cirsium palustre

Creeping Bent

Agrostis stolonifera

Gipsywort

Lycopus europaeus

Additional information: Streamside area of scattered broadleaved trees and scrub with open marshy grassland field layer. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK5012 TN6

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5019 1230 Habitat Type(s): Semi-natural broadleaved woodland

(alongside stream)

Key Floral Species:-

Alder

Alnus glutinosa

Crack Willow

Salix fragilis

Pedunculate Oak

Quercus robur

Whitebeam

Sorbus aria agg.

Cherry Laurel

Prunus laurocerasus

Hazel

Corylus avellana

Hawthorn

Crataegus monogyna

Holly

Ilex aquifolium

Bugle

Ajuga reptans

Himalayan Balsam

Impatiens glandulifera

Along stream:

Great Pond-sedge

Carex riparia

Dominant

Reed Canary-grass

Phalaris arundinacea

Yellow Iris

Iris pseudacorus

Additional information: Streamside Broadleaved woodland. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK5012 TN7

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5020 1239 Habitat Type(s): Unimproved neutral and marshy grassland

Key Floral Species:-

Hard Rush	<i>Juncus effusus</i>
Cuckoo Flower	<i>Cardamine pratensis</i>
Common Marsh bedstraw	<i>Galium palustre</i>
Marsh Marigold	<i>Caltha palustris</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Common Bent	<i>Agrostis capillaris</i>
Red Fescue	<i>Festuca rubra</i>
Sweet Vernal grass	<i>Anthoxanthum odoratum</i>
Tormentil	<i>Potentilla erecta</i>
Pignut	<i>Conopodium majus</i>
Common Sorrel	<i>Rumex acetosa</i>
Lesser Spearwort	<i>Ranunculus flammula</i>

Additional information: Extensive area of neutral and marshy grassland adjacent to stream. Sheep grazed. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK5012 TN8

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5016 1271 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Reed Sweet-grass	<i>Glyceria maxima</i>
Broad-leaved Pondweed	<i>Potamogeton natans</i>
with neighbouring trees including:	
Horse-chestnut	<i>Aesculus hippocastanum</i>
Beech	<i>Fagus sylvatica</i>
Sycamore	<i>Acer pseudoplatanus</i>
Lime	<i>Tilia europea</i>
Grey Willow	<i>Salix cinerea</i>

Additional information: Moat. Often heavily shaded by adjacent trees. Part of Ulverscroft Valley SSSI.

Target Note Reference: SK5012 TN9

Survey Date: 3rd November 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5027 1237 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hazel	<i>Corylus avellana</i>
Hawthorn	<i>Crataegus monogyna</i>
Holly	<i>Ilex aquifolium</i>
Pedunculate Oak	<i>Quercus robur</i>
Elder	<i>Sambucus nigra</i>
Gorse	<i>Ulex europaeus</i>
Silver Birch	<i>Betula pendula</i>

Additional information: Along boundary of Ulverscroft Valley SSSI. Part of Local Wildlife Site W5012/1.

Target Note Reference: SK5012 TN10

Survey Date: 3rd November 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5024 1256 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Holly	<i>Ilex aquifolium</i>
Pedunculate Oak	<i>Quercus robur</i>
Hawthorn	<i>Crataegus monogyna</i>
Hazel	<i>Corylus avellana</i>
Field Maple	<i>Acer campestre</i>
Dog Rose	<i>Rosa canina</i>
Blackthorn	<i>Prunus spinosa</i>

Additional information: Along boundary of Ulverscroft Valley SSSI. Part of Local Wildlife Site W5012/1.

1km Grid Square SK5013Target Note Reference: SK5013 TN1

Survey Date: 4th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5041 1398 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Apple	<i>Malus sylvestris</i>
Holly	<i>Ilex aquifolium</i>
<u>With field layer:</u>	
Bluebell	<i>Hyacinthoides non-scripta</i>

Additional information: Oak-dominated woodland.

Target Note Reference: SK5013 TN2

Survey Date: June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5029 1345 Habitat Type(s): Broadleaved woodland

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Apple	<i>Malus sylvestris sens. lat.</i>
Holly	<i>Ilex aquifolium</i>
<u>With field layer:</u>	
Bluebell	<i>Hyacinthoides non-scripta</i>

Additional information: Oak-dominated woodland.

1km Grid Square SK5014**Target Note Reference: SK5014 TN1**

Survey Date: 2nd June 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5005 1402 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Floating Sweet-grass

Glyceria fluitans

Creeping buttercup

Ranunculus repens

with neighbouring scrub:

Hawthorn

Crataegus monogyna

Additional information: Small (3x6m) pond. Shallow (<1m) and surrounded by brick walls and hawthorn scrub.

Target Note Reference: SK5014 TN2

Survey Date: 15th April 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5087 1469 Habitat Type(s): Acid grassland

Key Floral Species:-

Heath bedstraw

Galium saxatile

Common bent

Agrostis capillaris

Yorkshire fog

Holcus lanatus

Sheep's fescue

Festuca ovina agg.

Mat grass

Nardus stricta

Common cat's ear

Hypochaeris radicata

Dandelion

Taraxacum officinale agg.

Common knapweed

Centaurea nigra

Sheep's sorrel

Rumex acetosella

Wavy hair grass

Deschampsia flexuosa

Heather

Calluna vulgaris

Additional information: Acid grassland on lower slope, above ridge there is a patch of heather. Part of Beacon Hill, Hangingstone & Outwoods SSSI.

Target Note Reference: SK5014 TN3

Survey Date: 15th April 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5075 1489 Habitat Type(s): Acid grassland and heath

Key Floral Species:-

Field woodrush

Lygula campestris

Sheep's sorrel

Rumex acetosella

Heath bedstraw

Galium saxatile

Bilberry

Vaccinium myrtillus

Additional information: Common lizard (*Zootoca vivipara*) recorded in this area. Part of Beacon Hill, Hangingstone & Outwoods SSSI.

Target Note Reference: SK5014 TN4

Survey Date: 17th August 2010

Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5047 1419 Habitat Type(s): Species-rich hedgerows with trees

Key Floral Species:-

Pedunculate oak

Quercus robur

Hazel

Corylus avellana

Hawthorn

Crataegus monogyna

Silver birch

Betula pendula

Holly

Ilex aquifolium

Elder

Sambucus nigra

Ash

Fraxinus excelsior

Field maple

Acer campestre

Sycamore

Acer pseudoplatanus

Dogwood

Cornus sanguinea

Bracken

Pteridium aquilinum

Meadow vetchling

Lathyrus pratensis

Hogweed

Heracleum sphondylium

Spreading hedge-parsley

Torilis arvensis

Additional information: On both sides of road.

1km Grid Square SK5015**Target Note Reference: SK5015 TN1**

Survey Date: 15th April 2011 *Surveyor:* Steve Ralph MSc MIEEM
Grid Reference: SK 5073 1506 *Habitat Type(s):* Woodland ground flora

Key Floral Species:-

Silver birch	<i>Betula pendula</i>
Hawthorn	<i>Crataegus monogyna</i>
Cherry spp.	<i>Prunus spp.</i>
Bluebells	<i>Hyacinthoides non-scripta</i>
Wood sorrel	<i>Oxalis acetosella</i>
Bracken	<i>Pteridium aquilinum</i>

Additional information: Area of immature plantation, mainly birch with some hawthorn and cherry. Field layer contains bluebells and wood sorrel, amongst mainly bracken.

Target Note Reference: SK5015 TN2

Survey Date: 17th August 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 5082 1594 *Habitat Type(s):* Continuous bracken and scattered broadleaved trees.

Key Floral Species:-

Silver birch	<i>Betula pendula</i>
Pedunculate oak	<i>Quercus robur</i>
Rowan	<i>Sorbus aucuparia</i>
Hawthorn	<i>Crataegus monogyna</i>
Bracken	<i>Pteridium aquilinum</i>

Additional information: Area of dense bracken with scattered broadleaved woodland. Pockets of immature silver birch and scattered hawthorn, oak and rowan. Acidic conditions, particularly further up slope. No direct access, survey through binoculars from nearby. Part of Local Wildlife Site W5016/2.

Target Note Reference: SK5015 TN3

Survey Date: 15th April 2011 *Surveyor:* Steve Ralph MSc MIEEM
Grid Reference: SK 5016 1497 *Habitat Type(s):* Species-rich hedgerow with trees

Key Floral Species:-

Pedunculate oak	<i>Quercus robur</i>
Scots pine	<i>Pinus sylvestris</i>
English elm	<i>Ulmus procera</i>
Rowan	<i>Sorbus aucuparia</i>
Hawthorn	<i>Crataegus monogyna</i>
Wych elm	<i>Ulmus glabra</i>
Holly	<i>Ilex aquifolium</i>
Sycamore	<i>Acer pseudoplatanus</i>
Ash	<i>Fraxinus excelsior</i>
Dog rose	<i>Rosa canina</i>
Black bryony	<i>Tamus communis</i>
Gorse	<i>Ulex europaeus</i>

1km Grid Square SK5016**Target Note Reference: SK5016 TN1**

Survey Date: 23rd June 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 5081 1690 *Habitat Type(s):* Acid grassland

Key Floral Species:-

Sheep's sorrel	<i>Rumex acetosella</i>
Sheep's fescue	<i>Festuca ovina agg.</i>
Heath bedstraw	<i>Galium saxatile</i>
Wavy hair grass	<i>Deschampsia flexuosa</i>
Bluebell	<i>Hyacinthoides non-scripta</i>
Wood sage	<i>Teucrium scorodonia</i>

Additional information: Ridge with acidic grass species. Scattered trees with a couple of woodland ground flora species.

Target Note Reference: SK5016 TN2

Survey Date: 23rd June 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 5080 1657 *Habitat Type(s):* Plantation conifer woodland

Key Floral Species:-

European larch	<i>Larix decidua</i>
Rowan	<i>Sorbus aucuparia</i>
Sycamore	<i>Acer pseudoplatanus</i>
Bracken	<i>Pteridium aquilinum</i>
Bluebell	<i>Hyacinthoides non-scripta</i>

Additional information: Plantation larch woodland with understorey of rowan and sycamore. Ground flora dominated by bracken but with extensive patches of bluebells. Designated as Local Wildlife Site W5016/1 (Buck Hill Knoll) in 2003 for containing colonies of bluebells over 500m² in area.

Target Note Reference: SK5016 TN3

Survey Date: 23rd June 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 5073 1637 *Habitat Type(s):* Acid grassland, scattered bracken, scattered broadleaved trees

Key Floral Species:-

Wavy hair grass	<i>Deschampsia flexuosa</i>
Heath bedstraw	<i>Galium saxatile</i>
Sheep's sorrel	<i>Rumex acetosella</i>
Foxglove	<i>Digitalis purpurea</i>
Gorse	<i>Ulex europaeus</i>
Sheep's fescue	<i>Festuca ovina agg.</i>
Bracken	<i>Pteridium aquilinum</i>
Silver birch	<i>Betula pendula</i>
Pedunculate oak	<i>Quercus robur</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information: Part of Local Wildlife Site W5016/2.

Target Note Reference: SK5016 TN4

Survey Date: 15th June 2011 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 5048 1679 *Habitat Type(s):* Semi-improved neutral grassland

Key Floral Species:-

Meadow foxtail	<i>Alopecurus pratensis</i>
Sweet vernal grass	<i>Anthoxanthum odoratum</i>
Cuckoo flower	<i>Cardamine pratensis</i>
Soft rush	<i>Juncus effusus</i>
Hard rush	<i>Juncus inflexus</i>
Bog stitchwort	<i>Stellaria uliginosa</i>
Meadow buttercup	<i>Ranunculus acris</i>
White clover	<i>Trifolium repens</i>
Red clover	<i>Trifolium pratense</i>
Common mouse ear	<i>Cerastium fontanum ssp. vulgare</i>
Germander speedwell	<i>Veronica chamaedrys</i>
Common sorrel	<i>Rumex acetosa</i>
Smooth meadowgrass	<i>Poa pratensis sens.lat.</i>
Yarrow	<i>Achillea millefolium</i>
Creeping bent	<i>Agrostis stolonifera</i>
Common bird's foot trefoil	<i>Lotus corniculatus</i>

Creeping buttercup	<i>Ranunculus repens</i>
Crested dog's tail	<i>Cynosurus cristatus</i>
Hairy sedge	<i>Carex hirta</i>
Ribwort plantain	<i>Plantago lanceolata</i>
Red fescue	<i>Festuca rubra</i>
Field wood rush	<i>Luzula campestris</i>
Hairy tare	<i>Vicia hirsuta</i>
Lesser stitchwort	<i>Stellaria graminea</i>
Creeping thistle	<i>Cirsium arvense</i>
Common nettle	<i>Urtica dioica</i>
Broadleaved dock	<i>Rumex obtusifolius</i>

Additional information: Semi-improved neutral grassland on two sides of farm track. In lower-lying sections, flora contains species of damp habitats. Good habitat for invertebrates with meadow brown (*Maniola jurtina*), speckled wood (*Pararge aegeria*) and common blue (*Polyommatus icarus*) noted on 15th June 2011.

Target Note Reference: SK5016 TN5

Survey Date: 23rd June 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 5063 1691 *Habitat Type(s):* Broadleaved woodland
Key Floral Species:-

Pedunculate oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Sycamore	<i>Acer pseudoplatanus</i>
Bramble	<i>Rubus fruticosus</i>
Male fern	<i>Dryopteris filix-mas</i> agg.
Bracken	<i>Pteridium aquilinum</i>
Wavy hair grass	<i>Deschampsia flexuosa</i>

Additional information: Various-aged broadleaved woodland stand. With some species of acid habitats in ground flora. Part of Local Wildlife Site 5016/2, designated in 2003 for acidic habitats.

Target Note Reference: SK5016 TN6

Survey Date: 23rd June 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 5069 1674 *Habitat Type(s):* Acid grassland
Key Floral Species:-

Wavy hair grass	<i>Deschampsia flexuosa</i>
Sheep's fescue	<i>Festuca ovina</i> agg.

Additional information: Exposed rocky outcrop with acid grassland flora. Surrounded by dense bracken and with scattered silver birch trees. Part of Local Wildlife Site 5016/2, designated in 2003 for acidic habitats.

Target Note Reference: SK5016 TN7

Survey Date: 23rd June 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 5058 1657 *Habitat Type(s):* Standing water (pond)
Key Floral Species:-

Ridgid hornwort	<i>Ceratophyllum demersum</i>
-----------------	-------------------------------

Additional information: Small pond at border of field, within broadleaved woodland. Broad bodied chaser (*Libellula depressa*) and common blue damselfly (*Enallagma cyathigerum*) recorded 23rd June 2010. Within Local Wildlife Site 5016/2, designated in 2003 for acidic habitats.

Target Note Reference: SK5016 TN8

Survey Date: 23rd June 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 5066 1629 *Habitat Type(s):* Broadleaved woodland
Key Floral Species:-

Pedunculate oak	<i>Quercus robur</i>
Silver birch	<i>Betula pendula</i>
Ash	<i>Fraxinus excelsior</i>
Bracken	<i>Pteridium aquilinum</i>
Foxglove	<i>Digitalis purpurea</i>
Bluebell	<i>Hyacinthoides non-scripta</i>
Red campion	<i>Silene dioica</i>

Additional Information: Broadleaved woodland over acid soils. Part of Local Wildlife Site 5016/2 designated in 2003 for acidic habitats.

Target Note Reference: SK5016 TN9

Survey Date: 16th June 2011 Surveyor: Mike Poulton AIEEM
Grid Reference: SK 5059 1642 Habitat Type(s): Standing water (pond)

Additional Information: Stream across farmland dammed to make pool. No submerged, aquatic or marginal vegetation.

Target Note Reference: SK5016 TN10

Survey Date: 23rd June 2010 Surveyor: Mike Poulton AIEEM
Grid Reference: SK 5007 1697 Habitat Type(s): Broadleaved woodland

Key Floral Species:

Horse chestnut	<i>Aesculus hippocastanum</i>
Pedunculate oak	<i>Quercus robur</i>
Elder	<i>Sambucus nigra</i>
Sycamore	<i>Acer pseudoplatanus</i>
Ash	<i>Fraxinus excelsior</i>

Additional Information: Dense broadleaved woodland. Designated as Local Wildlife Site W5016/7 in 2005 for meeting the primary criteria for woodland (levels of natural regeneration, plus areas of bluebells larger than 500m²). Also designated for acid grassland. No direct access during current survey, surveyed through binoculars from road.

1km Grid Square SK5017**Target Note Reference: SK5017 TN1**

Survey Date: 23rd June 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 5072 1769 *Habitat Type(s):* Broadleaved woodland

Key Floral Species:-

Pedunculate oak	<i>Quercus robur</i>
Silver birch	<i>Betula pendula</i>
Ash	<i>Fraxinus excelsior</i>
Holly	<i>Ilex aquifolium</i>
Hazel	<i>Corylus avellana</i>
Elder	<i>Sambucus nigra</i>
Rowan	<i>Sorbus aucuparia</i>
Bluebell	<i>Hyacinthoides non-scripta</i>
Wood millet	<i>Milium effusum</i>
Bracken	<i>Pteridium aquilinum</i>
Foxglove	<i>Digitalis purpurea</i>

Additional Information: Part of LWS 5017/4 Burleigh wood.

Target Note Reference: SK5017 TN2

Survey Date: 23rd June 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 5071 1706 *Habitat Type(s):* Standing water (lake)

Key Floral Species:-

Reed sweet grass	<i>Glyceria maxima</i>
Yellow iris	<i>Iris pseudacorus</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Broadleaved willowherb	<i>Epilobium hirsutum</i>

Additional Information: Designated as Local Wildlife Site W5017/1 in 2006 for containing a population of white clawed crayfish (*Austropotamobius pallipes*).

1km Grid Square SK5018Target Note Reference: SK5018 TN1

Survey Date: 23rd November 2010 Surveyor: Mike Poulton MSc AIEEM

Grid Reference: SK 5069 1824 Habitat Type(s): Broadleaved woodland

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Hazel	<i>Corylus avellana</i>
Alder	<i>Alnus glutinosa</i>

With field layer:

Male fern	<i>Dryopteris filix-mas</i>
Dog's Mercury	<i>Mercurialis perennis</i>
Pendulus Sedge	<i>Carex pendula</i>

Additional information: Holywell wood LWS. Broadleaved ancient woodland with areas of wet woodland. Trees relatively close together and of the same age.

Target Note Reference: SK5018 TN2

Survey Date: 26th October 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5004 1845 Habitat Type(s): Species-rich hedgerow with trees

Key Tree Species:-

Pedunculate oak	<i>Quercus robur</i>	
Ash	<i>Fraxinus excelsior</i>	
Horse chestnut	<i>Aesculus hippocastanum</i>	
Blackthorn	<i>Prunus spinosa</i>	
Dog rose	<i>Rosa canina</i> agg.	
Hawthorn	<i>Crataegus monogyna</i>	
Sycamore	<i>Acer pseudoplatanus</i>	
Field maple	<i>Acer campestre</i>	
English elm	<i>Ulmus procera</i>	occurred rarely
Holly	<i>Ilex aquifolium</i>	occurred rarely
Hop	<i>Humulus lupulus</i>	
Bramble	<i>Rubus fruticosus</i>	

Additional information: Species-rich hedgerow containing trees. Dry ditch also present (no aquatic or marginal vegetation present).

1km Grid Square SK5020Target Note Reference: SK5020 TN1

Survey Date: 14th September 2011 Surveyor: Sarah Love BSc (Hons) AIEMA

Grid Reference: SK 5051 2067 Habitat Type(s): Semi improved grassland (species-poor) with scattered trees

Key Floral Species:-

False Oat-grass	<i>Arrhenatherum elatius</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>
White Clover	<i>Trifolium repens</i>
Red Clover	<i>Trifolium pratense</i>
Greater Plantain	<i>Plantago major</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Common Bent	<i>Agrostis capillaris</i>
Creeping Thistle	<i>Cirsium arvense</i>
Common Ragwort	<i>Senecio jacobaea</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Soft Rush	<i>Juncus effusus</i>
an oak	<i>Quercus sp.</i>
Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Dandelion	<i>Taraxacum officinale</i> agg.
Common Nettle	<i>Urtica dioica</i>
Red Fescue	<i>Festuca rubra</i> agg.
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Hogweed	<i>Heracleum sphondylium</i>
Cow Parsley	<i>Anthriscus sylvestris</i>
Red Bartsia	<i>Odontites vernus</i>
Knotgrass [agg.]	<i>Polygonum aviculare</i> agg.
Hedge Woundwort	<i>Stachys sylvatica</i>
a false oat-grass	<i>Arrhenatherum elatius</i> ssp. <i>bulbosum</i>
Wild Angelica	<i>Angelica sylvestris</i>
Hemlock	<i>Conium maculatum</i>
Greater Burnet-saxifrage	<i>Pimpinella major</i>

Additional information: Area adjacent to Stonebow Washlands LWS.

1km Grid Square SK5021

Target Note Reference: SK5021 TN1

Survey Date: 14th September 2011 *Surveyor:* Sarah Love BSc (Hons) AIEMA

Grid Reference: SK 5081 2105 *Habitat Type(s):* Species-rich hedgerow with trees

Key Floral Species:-

Elder	<i>Sambucus nigra</i>
Ash	<i>Fraxinus excelsior</i>
Pedunculate Oak	<i>Quercus robur</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Dog Rose	<i>Rosa canina</i> agg.
Hazel	<i>Corylus avellana</i>
Bramble	<i>Rubus fruticosus</i> agg.

Additional information: Hedgerow with trees on two sides of old track, with a range of woody species and wide strips of bramble / tall ruderals on either side.

1km Grid Square SK5022

Target Note Reference: SK5022 TN1

Survey Date: 10th June 2010 *Surveyor:* Mike Poulton MSc AIEEM

Grid Reference: SK 5096 2258 *Habitat Type(s):* Semi-improved neutral grassland

Key Floral Species:-

Yellow Rattle	<i>Rhinanthus minor</i>
Lady's bedstraw	<i>Galium verum</i>
Pignut	<i>Convallaria majalis</i>
Red Clover	<i>Trifolium pratense</i>
Common Sorrel	<i>Rumex acetosa</i>
Common Knapweed	<i>Centaurea nigra</i>

Additional information: Four fields comprising small enclosures with areas of species rich grassland amongst poor semi-improved grassland. Access was not possible to all adjacent areas so it is possible that the species rich area is more extensive than mapped.

1km Grid Square SK5109**Target Note Reference: SK5109 TN1**

Survey Date: 5th October 2011 *Surveyor:* Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5196 0942 *Habitat Type(s):* Species-rich hedgerow with trees

Key Floral Species:-

Blackthorn	<i>Prunus spinosa</i>
Holly	<i>Ilex aquifolium</i>
Hawthorn	<i>Crataegus monogyna</i>
Dog rose	<i>Rosa canina</i>
<i>Key Tree Species:-</i>	
Pedunculate oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Wild cherry	<i>Prunus avium</i>
Hazel	<i>Corylus avellana</i>

Target Note Reference: SK5109 TN2

Survey Date: 24th November 2011 *Surveyor:* Alison Sharkey MSc Grad IEEM

Grid Reference: SK 5179 0929 *Habitat Type(s):* Semi-improved neutral grassland

Key Floral Species:-

Meadow vetchling	<i>Lathyrus pratensis</i>
Creeping buttercup	<i>Ranunculus repens</i>
Ribwort plantain	<i>Plantago lanceolata</i>
Yorkshire fog	<i>Holcus lanatus</i>
Cock's foot	<i>Dactylis glomerata</i>
Common sorrel	<i>Rumex acetosa</i>
Red clover	<i>Trifolium pratense</i>

Additional information: Part of Local Wildlife Site W5109/11, Groby Lane Field. Species recorded were generally indicative of species-poor grassland, however full access to the field was not possible (therefore habitat type is based on LWS notification).

Target Note Reference: SK5109 TN3

Survey Date: 24th November 2011 *Surveyor:* Alison Sharkey MSc Grad IEEM

Grid Reference: SK 5183 0923 *Habitat Type(s):* Species-rich hedgerow with trees

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Pedunculate oak	<i>Quercus robur</i>
Hazel	<i>Corylus avellana</i>
Blackthorn	<i>Prunus spinosa</i>
Holly	<i>Ilex aquifolium</i>
Hawthorn	<i>Crataegus monogyna</i>
Dog rose	<i>Rosa canina</i>
Field maple	<i>Acer campestre</i>
Goat willow	<i>Salix caprea</i>

Additional information: Part of Local Wildlife Site W5109/11, Groby Lane Field. A dry ditch occurred within the hedgerow.

Target Note Reference: SK5109 TN4

Survey Date: 24th November 2011 *Surveyor:* Alison Sharkey MSc Grad IEEM

Grid Reference: SK 5196 0932 *Habitat Type(s):* Species-rich hedgerow with trees

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Pedunculate oak	<i>Quercus robur</i>
Blackthorn	<i>Prunus spinosa</i>
Dog rose	<i>Rosa canina</i>
Hawthorn	<i>Crataegus monogyna</i>
Field maple	<i>Acer campestre</i>
Holly	<i>Ilex aquifolium</i>

Additional information: Local Wildlife Site W5109/8.

Target Note Reference: SK5109 TN5

Survey Date: 24th November 2011 Surveyor: Alison Sharkey MSc Grad IEEM

Grid Reference: SK 5176 0916 Habitat Type(s): Poor Semi-improved Grassland.

Key Floral Species:-

Yorkshire-fog	<i>Holcus lanatus</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Common Sorrel	<i>Rumex acetosa</i>
Heath Bedstraw	<i>Galium saxatile</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
Lesser Hawkbit	<i>Leontodon saxatilis</i>
Common Broomrape	<i>Orobanche minor</i>
Selfheal	<i>Prunella vulgaris</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Sheep's Sorrel [agg.]	<i>Rumex acetosella</i>

Additional information: Stony outcrop close to areas of dense scrub.

Target Note Reference: SK5109 TN6

Survey Date: 3rd March 2012 Surveyor: Tim Yardley M.Biol.Sci

Grid Reference: SK 5180 0979 Habitat Type(s): Semi-improved neutral grassland

Additional information: LWS W5109/3, The field surveyor reported no access was possible. Based on the LWS information this is therefore mapped as semi-improved neutral grassland.

1km Grid Square SK5110Target Note Reference: SK5110 TN1

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM
 Grid Reference: SK 5107 1060 Habitat Type(s): Species-rich hedgerow with trees
 Key Floral Species:-

Hazel	<i>Corylus avellana</i>
Pedunculate oak	<i>Quercus robur</i>
Elder	<i>Sambucus nigra</i>
English elm	<i>Ulmus procera</i>
Holly	<i>Ilex aquifolium</i>
Ash	<i>Fraxinus excelsior</i>
Silver birch	<i>Betula pendula</i>
Dog rose	<i>Rosa canina</i>

Additional information: Part of Local Wildlife Site W5010/11.

Target Note Reference: SK5110 TN2

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM
 Grid Reference: SK 5129 1082 Habitat Type(s): Semi-improved neutral grassland & neutral grassland
 Key Floral Species:-

Great burnet	<i>Sanguisorba officinalis</i>
Betony	<i>Stachys officinalis</i>
Common knapweed	<i>Centaurea nigra</i>

Additional information: Part of Local Wildlife Site W5110/8.
 Limited access, surveyed through binoculars.

Target Note Reference: SK5110 TN3

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM
 Grid Reference: SK 5105 1018 Habitat Type(s): Species-rich hedgerow with trees
 Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Holly	<i>Ilex aquifolium</i>
Dog rose	<i>Rosa canina</i>

Pedunculate oak
 Hazel
 Ash
 Silver birch
 Goat willow
 Apple

Quercus robur
Corylus avellana
Fraxinus excelsior
Betula pendular
Salix caprea
Malus sylvestris sens. lat.

Target Note Reference: SK5110 TN4

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM
 Grid Reference: SK 5145 1019 Habitat Type(s): Species-rich hedgerow with trees
 Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Hazel	<i>Corylus avellana</i>
Ash	<i>Fraxinus excelsior</i>
Holly	<i>Ilex aquifolium</i>
Dog rose	<i>Rosa canina</i>
Pedunculate oak	<i>Quercus robur</i>
Field maple	<i>Acer campestre</i>
Blackthorn	<i>Prunus spinosa</i>
Plus (Northern side of road):	
Elder	<i>Sambucus nigra</i>
Rowan	<i>Sorbus acuparia</i>
Plus (Southern side of road):	
English elm	<i>Ulmus procera</i>

Additional information: Species rich hedgerow with trees, both sides of road.
 Designated as Local Wildlife Site W5110/11 for meeting criteria for species-rich hedgerow.

Target Note Reference: SK5110 TN5

Survey Date: 29th March 2011 Surveyor: Sean Gallagher MSc MIEEM
 Grid Reference: SK 5145 1032 Habitat Type(s): Species-rich hedgerow with trees
 Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Pedunculate oak	<i>Quercus robur</i>

Holly *Ilex aquifolium*
 Elder *Sambucus nigra*
 Goat willow *Salix caprea*
 Dog rose *Rosa canina*
 Blackthorn *Prunus spinosa*

Target Note Reference: SK5110 TN6

Survey Date: 29th March 2011 *Surveyor:* Sean Gallagher MSc MIEEM
Grid Reference: SK 5127 1058 *Habitat Type(s):* Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn *Crataegus monogyna*
 Hazel *Corylus avellana*
 Ash *Fraxinus excelsior*
 Elder *Sambucus nigra*
 Dog rose *Rosa canina*
 Pedunculate oak *Quercus robur*
 Field maple *Acer campestre*
 Blackthorn *Prunus spinosa*

Target Note Reference: SK5110 TN7

Survey Date: 29th March 2011 *Surveyor:* Sean Gallagher MSc MIEEM
Grid Reference: SK 5113 1025 *Habitat Type(s):* Species-rich hedgerow with trees

Key Floral Species:-

Goat willow *Salix caprea*
 Holly *Ilex aquifolium*
 Ash *Fraxinus excelsior*
 Dog rose *Rosa canina*
 Pedunculate oak *Quercus robur*
 Silver birch *Betula pendula*
 Hawthorn *Crataegus monogyna*
 Hazel *Corylus avellana*
 Alder *Alnus glutinosa*
 Blackthorn *Prunus spinosa*

Additional Information: Runs along a stream. Part of Local Wildlife Site W5010/11.

Target Note Reference: SK5110 TN8

Survey Date: 29th March 2011 *Surveyor:* Sean Gallagher MSc MIEEM
Grid Reference: SK 5105 1028 *Habitat Type(s):* Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn *Crataegus monogyna*
 Goat willow *Salix caprea*
 Hazel *Corylus avellana*
 Dog rose *Rosa canina*
 Elder *Sambucus nigra*
 Alder *Alnus glutinosa*
 Ash *Fraxinus excelsior*
 Blackthorn *Prunus spinosa*

Additional Information: Runs along a stream. Part of Local Wildlife Site W5010/11.

Target Note Reference: SK5110 TN9

Survey Date: 29th March 2011 *Surveyor:* Sean Gallagher MSc MIEEM
Grid Reference: SK 5100 1033 *Habitat Type(s):* Standing water (pond)

Key Floral Species:-

Reedmace *Typha latifolia*
 Floating sweet grass *Glyceria fluitans*
 Crack willow *Salix fragilis*

Additional Information: Pond 40cm deep.

Target Note Reference: SK5110 TN10

Survey Date: 29th March 2011 *Surveyor:* Sean Gallagher MSc MIEEM
Grid Reference: SK 5115 1033 *Habitat Type(s):* Species-rich hedgerow with trees

Key Floral Species:-

Blackthorn *Prunus spinosa*
 Hawthorn *Crataegus monogyna*
 Hazel *Corylus avellana*
 Dog rose *Rosa canina*
 Elder *Sambucus nigra*
 Pedunculate oak *Quercus robur*
 Holly *Ilex aquifolium*

Ash

Fraxinus excelsior

Additional Information: Part of Local Wildlife Site W5010/11.

Target Note Reference: SK5110 TN11

Survey Date: 29th March 2011

Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5165 1077 *Habitat Type(s):* Acid grassland & broadleaved woodland

Additional Information: No direct access during present survey. Designated as Local Wildlife Site W5110/1 for meeting primary criteria for mixed grassland. Grassland possibly diminishing.

Woodland comprises birch, oak and beech.

Target Note Reference: SK5110 TN12

Survey Date: 6th October 2011

Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5120 1008 *Habitat Type(s):* Species-rich hedgerow with trees

Key Floral Species:-

Blackthorn

Prunus spinosa

Hawthorn

Crataegus monogyna

Hazel

Corylus avellana

Elder

Sambucus nigra

Pedunculate oak

Quercus robur

Holly

Ilex aquifolium

Ash

Fraxinus excelsior

Additional Information: Part of Local Wildlife Site W5110/11.

Target Note Reference: SK5110 TN13

Survey Date: 6th October 2011

Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5119 1007 *Habitat Type(s):* Species-rich hedgerow with trees

Key Floral Species:-

Blackthorn

Prunus spinosa

Hawthorn

Crataegus monogyna

Hazel

Corylus avellana

Elder

Sambucus nigra

Pedunculate oak

Quercus robur

Holly

Ilex aquifolium

Ash

Fraxinus excelsior

With verge:

Smooth Sow-thistle

Sonchus oleraceus

Colt's-foot

Tussilago farfara

Garlic Mustard

Alliaria petiolata

Common Nettle

Urtica dioica

Ground-ivy

Glechoma hederacea

Knotgrass [agg.]

Polygonum aviculare agg.

Groundsel

Senecio vulgaris

Cleavers

Galium aparine

Perennial Rye-grass

Lolium perenne

Red Fescue

Festuca rubra agg.

Common Bent

Agrostis capillaris

Dandelion

Taraxacum officinale agg.

Creeping Cinquefoil

Potentilla reptans

White Dead-nettle

Lamium album

Cow Parsley

Anthriscus sylvestris

Bush Vetch

Vicia sepium

Hogweed

Heracleum sphondylium

Ivy

Hedera helix

Additional Information: Part of Local Wildlife Site W5110/11.

1km Grid Square SK5111Target Note Reference: SK5111 TN1Survey Date: 29th March 2011

Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5124 1112 Habitat Type(s): Ancient semi-natural broadleaved woodland

Key Floral Species:-

Downy birch

Betula pubescens

Pedunculate oak

Quercus robur

Rowan

Sorbus aucuparia

Sycamore

Acer pseudoplatanus

Understorey:

Hazel

Corylus avellana

Holly

Ilex aquifolium

Hawthorn

Crataegus monogyna

Elder

Sambucus nigra

Field layer:

Bramble

Rubus fruticosus

Bracken

Pteridium aquilinum

Bluebells

*Hyacinthoides non-scripta**Additional information:* Ancient woodland with large areas of bluebells. Part of LWS W5111/7Target Note Reference: SK5111 TN2Survey Date: 29th March 2011

Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5116 1120 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Soft rush

Juncus effusus

Reed sweet grass

*Glyceria maxima**Additional information:* Recent pond within ancient semi-natural woodland. Some marginal vegetation. Part of LWS W5111/7.Target Note Reference: SK5111 TN3Survey Date: 11th May 2010 (29th March 2011 – additional visit)

Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 5119 1145 Habitat Type(s): Semi-improved neutral grassland (woodland rides)

Key floral species:-

Soft rush

Juncus effusus

Sweet vernal-grass

Anthoxanthum odoratum

Bugle

Ajuga reptans

Tormentil

Potentilla erecta

Common cat's-ear

Hypochaeris radicata

Wood forget-me-not

Myosotis sylvatica

Primrose

Primula vulgaris

Marsh thistle

Cirsium palustre

Field woodrush

Luzula campestris

Birds-foot-trefoil

Lotus corniculatus

Creeping jenny

Lysimachia nummularia

Silverweed

Potentilla anserina

Board-leaved willowherb

Epilobium montanum

Wild angelica

Angelica sylvestris

Selfheal

Prunella vulgaris

Dog violet

Viola sp.

Coltsfoot

Tussilago farfara

Great willowherb

Epilobium hirsutum

Wild strawberry

Fragaria vesca

Meadowsweet

Filipendula ulmaria

Foxglove

Digitalis purpurea

Cuckooflower

Cardamine pratensis

Rosebay willowherb

Chamerion angustifolium

Common hemp-nettle

Galeopsis tetrahit agg.

Red campion

Silene dioica

Greater burdock

Arctium lappa

Hedge woundwort

Stachys sylvatica

Lesser stitchwort

Stellaria graminea

Creeping buttercup

Ranunculus repens

Bracken

Pteridium aquilinum

False oat grass

Arrhenatherum elatius

Cock's foot

Dactylis glomerata

Creeping soft grass

Holcus mollis

Sweet vernal grass

Anthoxanthum odoratum

Common bent

Agrostis capillaris

Additional information: Included within LWS W5111/8 Includes all woodland rides in area.

Target Note Reference: SK5111 TN4

Survey Date: 11th May 2010 *Surveyor:* Sean Gallagher MSc MIEEM
Grid reference: SK 5192 1162 *Habitat Type(s):* Semi-improved neutral grassland
Key floral species:-
 Sweet vernal-grass *Anthoxanthum odoratum*
 Yorkshire fog *Holcus lanatus*
 Common bent *Agrostis capillaris*
 Cock's-foot *Dactylis glomerata*
 Pignut *Conopodium majus*
 Yarrow *Achillea millefolium*

Additional information: Ridge and furrow pasture. Includes adjacent field.

Target Note Reference: SK5111 TN5

Survey Date: 29th March 2011 *Surveyor:* Sean Gallagher MSc MIEEM
Grid Reference: SK 5185 1159 *Habitat Type(s):* Species-rich hedgerow with trees
Key Floral Species:-
 Hawthorn *Crataegus monogyme*
 Elder *Sambucus nigra*
 Hazel *Corylus avellana*
 Sycamore *Acer pseudoplatanus*
 Ash *Fraxinus excelsior*
 Pedunculate oak *Quercus robur*
 Silver birch *Betula pendula*
 Holly *Ilex aquifolium*
 Dog's rose *Rosa canina*
 Alder buckthorn *Frangula alnus*
 Field maple *Acer campestre*

Additional information: Within LWS W5211/4.

Target Note Reference: SK5111 TN6

Survey Date: 29th March 2011 *Surveyor:* Sean Gallagher MSc MIEEM
Grid Reference: SK 5187 1150 *Habitat Type(s):* Species-rich hedgerow with trees
Key Floral Species:-
 Hawthorn *Crataegus monogyme*
 Elder *Sambucus nigra*
 Hazel *Corylus avellana*
 Ash *Fraxinus excelsior*
 Pedunculate oak *Quercus robur*
 Holly *Ilex aquifolium*
 Dog's rose *Rosa canina*
 Goat willow *Salix caprea*
 Rowan *Sorbus aucuparia*
 Blackthorn *Prunus spinosa*

Additional information: Part of Local Wildlife Site W5211/4.

Target Note Reference: SK5111 TN7

Survey Date: 29th March 2011 *Surveyor:* Sean Gallagher MSc MIEEM
Grid Reference: SK 5164 1111 *Habitat Type(s):* Unimproved neutral grassland
Key Floral Species:-
 Heath spotted orchid *Dactylorhiza maculata*
 Glaucous sedge *Carex flacca*
 Hairy sedge *Carex hirta*
 Remote sedge *Carex remota*
 Black sedge *Carex nigra*
 Oval sedge *Carex ovalis*
 Common knapweed *Centuarea nigra*
 Lady's bedstraw *Galium verum*
 Lady's mantle *Alchemilla vulgaris* agg.
 Pignut *Conopodium majus*
 Meadow vetchling *Lathyrus pratensis*
 Common bird's foot trefoil *Lotus corniculatus*
 Meadowsweet *Filipendula ulmaria*

Additional information: Part of Local Wildlife Site W5111/6. Neutral grassland with alder lined stream corridor on North-Western edge.

Target Note Reference: SK5111 TN8

Survey Date: 29th March 2011 *Surveyor:* Sean Gallagher MSc MIEEM

Grid Reference: SK 5157 1114 *Habitat Type(s):* Unimproved neutral grassland

Key Floral Species:-

Agrimony	<i>Agrimonia eupatoria</i>
Marsh violet	<i>Viola palustris</i>
Pepper saxifrage	<i>Silaum silaus</i>
Lady's mantle	<i>Alchemilla vulgaris</i> agg.
Common knapweed	<i>Centaurea nigra</i>
Devil's bit scabious	<i>Succisa pratensis</i>
Ox-eye daisy	<i>Leucanthemum vulgare</i>
Cowslip	<i>Primula veris</i>
Cuckoo flower	<i>Cardamine pratensis</i>
Field woodrush	<i>Luzula campestris</i>
Tormentil	<i>Potentilla erecta</i>
Burnet saxifrage	<i>Pimpinella saxifraga</i>
Wavy hair grass	<i>Deschampsia flexuosa</i>
Glaucous sedge	<i>Carex flacca</i>
Oval sedge	<i>Carex ovalis</i>
Remote sedge	<i>Carex remota</i>

Additional information: High quality neutral grassland and mixed grassland (neutral, acid and wet). Contains marsh violet which is a Red Data Book listed species. Part of Local Wildlife Site W5111/5.

Target Note Reference: SK5111 TN9

Survey Date: 29th March 2011 *Surveyor:* Sean Gallagher MSc MIEEM

Grid Reference: SK 5141 1142 *Habitat Type(s):* Mixed woodland

Key Floral Species:-

European larch	<i>Larix decidua</i>
Scots pine	<i>Pinus sylvestris</i>
Sycamore	<i>Acer pseudoplatanus</i>
Ash	<i>Fraxinus excelsior</i>
Pedunculate oak	<i>Quercus robur</i>

Alder
Poplar
Understorey:
Hazel
Hawthorn
Holly
Elder

Field layer:

Bramble
Bracken
Bluebells
Wood sage
Foxglove
Wood sorrel
Creeping soft grass

Alnus glutinosa
Populus spp.

Corylus avellana
Crataegus monogyna
Ilex aquifolium
Sambucus nigra

Rubus fruticosus
Pteridium aquilinum
Hyacinthoides non-scripta
Teucrium scorodonia
Digitalis purpurea
Oxalis acetosella
Holcus mollis

Additional information: Prior ancient woodland site, now mainly conifer plantation with some broadleaved plantation. Mix of young and old compartments. Grassy rides (see SK5111 TN3). Part of Local Wildlife Site W5111/8.

1km Grid Square SK5112**Target Note Reference: SK5112 TN1**

Survey Date: 5th June 2010 Surveyor: John Moore PhD MIEEM
 Grid Reference: SK 5165 1296 Habitat Type(s): Semi-natural mixed woodland

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>	
Scots pine	<i>Pinus sylvestris.</i>	<20%
Sweet Chestnut	<i>Castanea sativa</i>	
Sycamore	<i>Acer pseudoplatanus</i>	
Beech	<i>Fagus sylvatica</i>	
Birch	<i>Betula sp</i>	At southern end

With shrub layer:

Hawthorn	<i>Crataegus monogyna</i>
Rhododendron	<i>Rhododendron ponticum</i>
Rowan	<i>Sorbus aucuparia</i>
Holly	<i>Ilex aquifolium</i>

and field layer:

Bluebell	<i>Hyacinthoides non-scripta</i>
Bramble	<i>Rubus fruticosus</i> agg.
Honeysuckle	<i>Lonicera perichlymenum</i>
Bracken	<i>Pteridium aquilinum</i>

Additional information: Part of LWS Abell's Wood (W 5112/2).

Target Note Reference: SK5112 TN2

Survey Date: 5th June 2010 Surveyor: John Moore PhD MIEEM
 Grid Reference: SK 5188 1297 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species include:-

Red Clover	<i>Trifolium pratense</i>
Oxeye Daisy	<i>Leucanthemum vulgare</i>
Common Vetch	<i>Vicia sativa</i>
Ribwort Plantain	<i>Plantago lanceolata</i>

Additional information: Semi-improved neutral grassland of moderate diversity, occasional wildflowers including list above. Young planted broadleaved trees.

Target Note Reference: SK5112 TN3

Survey Date: 5th June 2010 Surveyor: John Moore PhD MIEEM
 Grid Reference: SK 5195 1262 Habitat Type(s): Mixed plantation woodland

Key Floral Species:-

Larch	<i>Larix sp.</i>
Silver Birch	<i>Betula pendula</i>
Hazel	<i>Corylus avellana</i>
Field Maple	<i>Acer campestre</i>
Guelder Rose	<i>Viburnum opulus</i>
Pedunculate Oak	<i>Quercus robur</i>
Sweet Chestnut	<i>Castanea sativa</i>
Bramble	<i>Rubus fruticosus</i> agg.

Additional information: Young mixed plantation with thickets of bramble.

Target Note Reference: SK5112 TN4

Survey Date: June 2010 Surveyor: John Moore PhD MIEEM
 Grid Reference: SK 5191 1220 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Silver Birch	<i>Betula pendula</i>
Sycamore	<i>Acer pseudoplatanus</i>
Beech	<i>Fagus sylvatica</i>
Hazel	<i>Corylus avellana</i>
Rowan	<i>Sorbus aucuparia</i>
Holly	<i>Ilex aquifolium</i>
Rhododendron	<i>Rhododendron ponticum</i>
Bramble	<i>Rubus fruticosus</i> agg.

Additional information: Mature broadleaved woodland.

Target Note Reference: SK5112 TN5Survey Date: 5th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5160 1225 Habitat Type(s): Plantation conifer woodland

Key Floral Species:-

Scots Pine	<i>Pinus sylvestris</i>	Dominant
Larch	<i>Larix deciduas</i>	Occasional
Rowan	<i>Sorbus aucuparia</i>	
Holly	<i>Ilex aquifolium</i>	
Silver Birch	<i>Betula pendula</i>	
<i>With Field layer:</i>		
Bramble	<i>Rubus fruticosus</i>	
Bracken	<i>Pteridium aquilinum</i>	
Bluebell	<i>Hyacinthoides non-scripta</i>	
Broad-buckler Fern	<i>Dryopteris dilatata</i>	

Additional information: Part of Benscliffe Wood LWS (CBC W 5112/1).

Target Note Reference: SK5112 TN6Survey Date: 5th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5140 1240 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Silver Birch	<i>Betula pendula</i>
Beech	<i>Fagus sylvatica</i>
<i>With Field layer:</i>	
Bramble	<i>Rubus fruticosus</i>
Bracken	<i>Pteridium aquilinum</i>
Bluebell	<i>Hyacinthoides non-scripta</i>
Broad-buckler Fern	<i>Dryopteris dilatata</i>

Additional information: With open areas of bracken and exposed rock. Part of Benscliffe Wood LWS (CBC W 5112/1) and Benscliffe Wood SSSI.

Target Note Reference: SK5112 TN7Survey Date: 5th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5128 1271 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>	Dominant
Sessile Oak	<i>Quercus petraea</i>	
Silver Birch	<i>Betula pendula</i>	
Beech	<i>Fagus sylvatica</i>	
Holly	<i>Ilex aquifolium</i>	
Rowan	<i>Sorbus aucuparia</i>	
<i>With Field layer:</i>		
Bracken	<i>Pteridium aquilinum</i>	Dominant
Bramble	<i>Rubus fruticosus</i>	Abundant
Climbing corydalis	<i>Ceratocarpus claviculata</i>	Frequent
Wavy Hair grass	<i>Deschampsia flexuosa</i>	Frequent

Additional information: Open woodland on a knoll and small rock outcrops. Part of Benscliffe Wood LWS (CBC W 5112/1) and Benscliffe Wood SSSI.

Target Note Reference: SK5112 TN8Survey Date: 5th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5117 1283 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>	Abundant
Beech	<i>Fagus sylvatica</i>	
Holly	<i>Ilex aquifolium</i>	
Rowan	<i>Sorbus aucuparia</i>	
Silver Birch	<i>Betula pendula</i>	
<i>With Field layer:</i>		
Bracken	<i>Pteridium aquilinum</i>	
Bramble	<i>Rubus fruticosus</i>	
Wavy Hair grass	<i>Deschampsia flexuosa</i>	

Additional information: Open woodland with no overall dominance. Within Benscliffe Wood LWS (CBC W 5112/1).

Target Note Reference: SK5112 TN9

Survey Date: 5th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5190 1285 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Pond area:

Mare's-tail	<i>Hippuris vulgaris</i>
Broad-leaved Pondweed	<i>Potamogeton natans</i>
Bogbean	<i>Menyanthes trifoliata</i>
Water Mint	<i>Mentha aquatica</i>
Orange Foxtail	<i>Alopecurus aequalis</i>
White Water-lily	<i>Nymphaea alba</i>
Yellow Iris	<i>Iris pseudacorus</i>

Glade area:

Bracken	<i>Pteridium aquilinum</i>
Rhododendron	<i>Rhododendron ponticum</i>

Additional information: Pond in woodland glade with bracken and rhododendron. Part of LWS Abell's Wood CBC W 5112/2.

1km Grid Square SK5114**Target Note Reference: SK5114 TN1**

Survey Date: 15th April 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 5196 1479 *Habitat Type(s):* Semi-improved neutral grassland

Key Floral Species:-

Yellow rattle	<i>Rhinanthus minor</i>
Common knapweed	<i>Centaurea nigra</i>
Ribwort plantain	<i>Plantago lanceolata</i>
Creeping buttercup	<i>Ranunculus repens</i>
Sweet vernal grass	<i>Anthoxanthum odoratum</i>
Common cat's ear	<i>Hypochaeris radicata</i>
Red clover	<i>Trifolium pratense</i>
Dandelion	<i>Taraxacum officinale</i> agg.
Meadow buttercup	<i>Ranunculus acris</i>
Oxeye daisy	<i>Leucanthemum vulgare</i>
Tansy	<i>Tanacetum vulgare</i>
Wild carrot	<i>Daucus carota</i>

Target Note Reference: SK5114 TN2

Survey Date: 15th April 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 5149 1493 *Habitat Type(s):* Standing water (pond)

Key Floral Species:-

Floating sweet grass	<i>Glyceria fluitans</i>
----------------------	--------------------------

Additional information: Tiny pond on field margin. Poached. Turbid water.

Target Note Reference: SK5114 TN3

Survey Date: 17th August 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 5166 1423 *Habitat Type(s):* Semi-improved neutral grassland

Key Floral Species:-

Common knapweed	<i>Centaurea nigra</i>
Musk mallow	<i>Malva moschata</i>

Additional information: Small meadow left uncut and ungrazed. Patches of tall ruderal. No direct access, viewed through binoculars.

1km Grid Square SK5115**Target Note Reference: SK5115 TN1**

Survey Date: 14th April 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5117 1545 Habitat Type(s): Poor semi-improved grassland

Key Floral Species:-

Dandelion	<i>Taraxacum officinale</i> agg.
Ribwort plantain	<i>Plantago lanceolata</i>
Field wood rush	<i>Luzula campestris</i>

Additional information: No access, surveyed through binoculars from road and apparently species poor. Part of Local Wildlife Site W5115/3.

Target Note Reference: SK5115 TN2

Survey Date: 14th April 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5148 1544 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Holly	<i>Ilex aquifolium</i>
Dog rose	<i>Rosa canina</i>
Ash	<i>Fraxinus excelsior</i>
Pedunculate oak	<i>Quercus robur</i>
Elder	<i>Sambucus nigra</i>
Field maple	<i>Acer campestre</i>
Rowan	<i>Sorbus aucuparia</i>
Wild cherry	<i>Prunus avium</i>
Red currant	<i>Ribes rubrum</i>
Honeysuckle	<i>Lonicera periclymenum</i>
Ground flora:	
Pignut	<i>Conopodium majus</i>
Greater stitchwort	<i>Stellaria holostea</i>
Common dog violet	<i>Viola riviniana</i>
Bluebell	<i>Hyacinthoides non-scripta</i>
Garlic mustard	<i>Alliaria petiolata</i>

Target Note Reference: SK5115 TN3

Survey Date: 14th April 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5188 1503

Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Yellow rattle	<i>Rhinanthus minor</i>
Red clover	<i>Trifolium pratense</i>
Hogweed	<i>Heracleum sphondylium</i>
Dandelion	<i>Taraxacum officinale</i> agg.
Common sorrel	<i>Rumex acetosa</i>
Wild carrot	<i>Daucus carota</i>
Oxeye daisy	<i>Leucanthemum vulgare</i>
Tufted vetch	<i>Vicia cracca</i>
Thyme-leaved speedwell	<i>Veronica serpyllifolia</i>
Primrose	<i>Primula vulgaris</i>
Cowslip	<i>Primula veris</i>
Common spotted orchid	<i>Dactylorhiza fuchsii</i>
Square stemmed St John's wort	<i>Hypericum tetrapterum</i>
Common knapweed	<i>Centaurea nigra</i>

Additional information: Grassy ride within plantation broadleaved woodland.

Target Note Reference: SK5115 TN4

Survey Date: 14th April 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5196 1518 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Elder	<i>Sambucus nigra</i>
Ash	<i>Fraxinus excelsior</i>
Sycamore	<i>Acer pseudoplatanus</i>
Pedunculate oak	<i>Quercus robur</i>
Dog rose	<i>Rosa canina</i>
Holly	<i>Ilex aquifolium</i>
Crab Apple	<i>Malus sylvestris</i>
Honeysuckle	<i>Lonicera periclymenum</i>
Dog's mercury	<i>Mercurialis perennis</i>
Wood anemone	<i>Anemone nemorosa</i>
Ground ivy	<i>Glechoma hederacea</i>

Lesser celandine

Ranunculus ficaria

Additional information: Species-rich hedgerow with notable ground flora species.

Target Note Reference: SK5115 TN5

Survey Date: 15th April 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 5130 1509 *Habitat Type(s):* Standing water (pond)

Key Floral Species:-

Reedmace

Typha latifolia

Bittersweet

Solanum dulcamara

Great willowherb

Epilobium hirsutum

Reed canary grass

Phalaris arundinacea

Soft rush

Juncus effusus

Hard rush

Juncus inflexus

Common starwort

Callitriche stagnalis sens.lat.

Additional information: Pond surrounded by scrubland with scrub covered island. Toad (*Bufo bufo*) tadpoles present 15/04/2011.

Target Note Reference: SK5115 TN6

Survey Date: 17th August 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 5127 1566 *Habitat Type(s):* Plantation mixed woodland

Key Floral Species:-

Pedunculate oak

Quercus robur

Scots pine

Pinus sylvestris

Rowan

Sorbus aucuparia

Holly

Ilex aquifolium

Bracken

Pteridium aquilinum

Additional information: Mixed plantation woodland with bracken dominated open areas. No access, survey through binoculars from road. Part of Local Wildlife Site W5115/1.

Target Note Reference: SK5115 TN7

Survey Date: 17th August 2010

Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5104 1588 *Habitat Type(s):* Broadleaved woodland

Key Floral Species:-

Pedunculate oak

Quercus robur

Bracken

Pteridium aquilinum

Gorse

Ulex europaeus

Common nettle

Urtica dioica

Additional information: Oak dominated open woodland. Understorey dominated by continuous bracken, with some gorse and common nettle. Part of Local Wildlife Site W5115/2.

1km Grid Square SK5116

Target Note Reference: SK5116 TN1

Survey Date: 23rd June 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 5127 1685 *Habitat Type(s):* Acid grassland

Key Floral Species:-

Sheep's sorrel

Rumex acetosella

European gorse

Ulex europaeus

Additional information: Rock outcrop covered with acid grassland flora. Surveyed from path through binoculars.

1km Grid Square SK5122**Target Note Reference: SK5122 TN1**

Survey Date: 10th June 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 514 222 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Yellow iris

Iris pseudacorus

Reed sweet-grass

Glyceria maxima

Additional information: Small pool

Target Note Reference: SK5122 TN2

Survey Date: 23rd September 2010 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5108 2265 Habitat Type(s): Species-rich hedgerows.

Key Floral Species:-

English Elm

Ulmus procera

Blackthorn

Prunus spinosa

Elder

Sambucus nigra

Hawthorn

Crataegus monogyna

Dog Rose

Rosa canina agg.

Crack Willow

Salix fragilis

Ash

Fraxinus excelsior

Field Maple

Acer campestre

Additional information: Hedgerows along both sides of track way are borderline species rich. Locally dominant in particular English elm, blackthorn.

Target Note Reference: SK5122 TN3

Survey Date: 23rd September 2010 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5172 2238 Habitat Type(s): Species-rich hedgerow.

Key Floral Species:-

English Elm

Ulmus procera

Blackthorn

Prunus spinosa

Elder

Sambucus nigra

Hawthorn

Crataegus monogyna

Dog Rose

Rosa canina agg.

Ash

Fraxinus excelsior

Guelder Rose

Viburnum opulus

Buckthorn

Rhamnus cathartica

Additional information: Elm dominant, with locally dominant blackthorn, occasional others.

Target Note Reference: SK5122 TN4

Survey Date: 23rd September 2010 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5180 2213 Habitat Type(s): Species-poor hedgerows.

Key Floral Species:-

Blackthorn

Prunus spinosa

Hawthorn

Crataegus monogyna

Dog Rose

Rosa canina agg.

Crack Willow

Salix fragilis

Field Maple

Acer campestre

Guelder Rose

Viburnum opulus

Additional information: Hedgerows diverse, though no single hedgerow qualifies as species-rich.

Target Note Reference: SK5122 TN5

Survey Date: 23rd September 2010 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5199 2221 Habitat Type(s): Marginal vegetation.

Key Floral Species:-

Alder

Alnus glutinosa

Hawthorn

Crataegus monogyna

Crack Willow

Salix fragilis

Himalayan Balsam

Impatiens glandulifera

Reed sweet-grass

Glyceria maxima

Reed Canary grass

Phalaris arundinacea

Great Willowherb

Epilobium hirsutum

Meadowsweet

Filipendula ulmaria

Common Club-rush

Schoenoplectus lacustris

Additional information: Riverbank marginal vegetation, Reed sweet grass dominant. Scattered alder, crack willow, hawthorn, occasional Himalayan balsam.

1km Grid Square SK5208Target Note Reference: SK5208 TN1

Survey Date: 24th November 2011 *Surveyor:* Alison Sharkey MSc Grad IEEM
Grid Reference: SK 5234 0869 *Habitat Type(s):* Plantation broad-leaved
woodland/mixed woodland.

Key Floral Species:-

Red Campion	<i>Silene dioica</i>
Scots Pine	<i>Pinus sylvestris</i>
Silver Birch	<i>Betula pendula</i>
Hazel	<i>Corylus avellana</i>
Pedunculate Oak	<i>Quercus robur</i>
Field Maple	<i>Acer campestre</i>
Crack Willow	<i>Salix fragilis</i>
Ash	<i>Fraxinus excelsior</i>

Additional information: Mixture of plantation mixed woodland and plantation broad-leaved woodland.

1km Grid Square SK5209**Target Note Reference: SK5209 TN1**

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5205 0997 Habitat Type(s): Neutral grassland.

Key Floral Species:-

False Oat-grass	<i>Arrhenatherum elatius</i>	
Yorkshire-fog	<i>Holcus lanatus</i>	
Cock's-foot	<i>Dactylis glomerata</i>	
Red Fescue	<i>Festuca rubra</i>	
Common Knapweed	<i>Centaurea nigra</i>	Abundant
Common Sorrel	<i>Rumex acetosa</i>	Frequent
Meadow Vetchling	<i>Lathyrus pratensis</i>	Frequent
Common Bird's-foot-trefoil	<i>Lotus corniculatus</i>	Abundant
Ribwort Plantain	<i>Plantago lanceolata</i>	Abundant
Great Burnet	<i>Sanguisorba officinalis</i>	Occasional
Betony	<i>Stachys officinalis</i>	Occasional

Additional information: Group of high quality neutral grassland pastures, grazed by cattle, several indicator species, some ridge and furrow. Within LWS W5210/1.

Target Note Reference: SK5209 TN2

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5240 0995 Habitat Type(s): Scattered broadleaved trees over bracken

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Bracken	<i>Pteridium aquilinum</i>

Additional information: Mainly very mature oak over dense bracken. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5209 TN3

Survey Date: 21st October 2010

Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5241 0987 Habitat Type(s): Amenity grassland with scattered mixed trees

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Larch	<i>Larix</i> sp.
Monkey-puzzle	<i>Arucaria arucana</i>
Hard Rush	<i>Juncus inflexus</i>
Soft Rush	<i>Juncus effusus</i>
Common Bent	<i>Agrostis capillaris</i>
Perennial Rye-grass	<i>Lolium perenne</i>

Additional information: Mown grassland with a variety of trees, often very old veteran oaks, occasional rushes in damp areas around river. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5209 TN4

Survey Date: 21st October 2010

Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5259 0998 Habitat Type(s): Running water and ponds

Key Floral Species:-

Soft Rush	<i>Juncus effusus</i>
Creeping bent	<i>Agrostis stolonifera</i>

Additional information: The River Lin, landscaped into a series of pools with weirs and overflow channels. No aquatic vegetation, rushes at margins. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5209 TN5

Survey Date: 5th October 2011

Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5205 0963 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Holly	<i>Ilex aquifolium</i>
Blackthorn	<i>Prunus spinosa</i>
Hawthorn	<i>Crataegus monogyna</i>
Dog Rose	<i>Rosa canina</i> agg.

Key Tree Species:-

Pedunculate Oak
Ash
Wild cherry
Hazel

Quercus robur
Fraxinus excelsior
Prunus avium
Corylus avellana

Target Note Reference: SK5209 TN6

Survey Date: 5th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM
Grid Reference: SK 5202 0952 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Ribwort	Plantain	<i>Plantago lanceolata</i>
Red Fescue		<i>Festuca rubra</i> agg.
Yorkshire-fog		<i>Holcus lanatus</i>
Creeping Buttercup		<i>Ranunculus repens</i>
a common mouse-ear		<i>Cerastium fontanum</i> ssp. <i>vulgare</i>
White Clover		<i>Trifolium repens</i>
Common Sorrel		<i>Rumex acetosa</i>
Common Knapweed		<i>Centaurea nigra</i>
Broad-leaved Dock		<i>Rumex obtusifolius</i>
Creeping Bent		<i>Agrostis stolonifera</i>
Red Clover		<i>Trifolium pratense</i>
Dwarf Mallow		<i>Malva neglecta</i>
Cock's-foot		<i>Dactylis glomerata</i>
Great Burnet		<i>Sanguisorba officinalis</i>
Dandelion		<i>Taraxacum officinale</i> agg.
Timothy		<i>Pbleum pratense</i> sens.lat.
Sweet Vernal Grass		<i>Anthoxanthum odoratum</i>
Silverweed		<i>Potentilla anserina</i>
Common Bent		<i>Agrostis capillaris</i>
Crested Dog's-tail		<i>Cynosurus cristatus</i>

Additional information: Part of Newtown Linford West Field LWS.

Target Note Reference: SK5209 TN7

Survey Date: 5th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM
Grid Reference: SK 5201 0946 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Holly	<i>Ilex aquifolium</i>
-------	------------------------

Blackthorn
Hawthorn
Dog Rose
Red Campion
Key Tree Species:-
Pedunculate Oak
Ash
Wild cherry
Alder
Sycamore
Hazel
Elder
Ash

Prunus spinosa
Crataegus monogyna
Rosa canina agg.
Silene dioica

Quercus robur
Fraxinus excelsior
Prunus avium
Alnus glutinosa
Acer pseudoplatanus
Corylus avellana
Sambucus nigra
Fraxinus excelsior

Target Note Reference: SK5209 TN8

Survey Date: 5th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM
Grid Reference: SK 5208 0955 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Holly
Blackthorn
Hawthorn
Dog Rose
Hazel
Key Tree Species:-
Pedunculate Oak
Ash
Wild cherry
Elder
Honeysuckle
Beech
Silver Birch
Sycamore
Yew

Ilex aquifolium
Prunus spinosa
Crataegus monogyna
Rosa canina agg.
Corylus avellana

Quercus robur
Fraxinus excelsior
Prunus avium
Sambucus nigra
Lonicera periclymenum
Fagus sylvatica
Betula pendula
Acer pseudoplatanus
Taxus baccata

Target Note Reference: SK5209 TN9

Survey Date: 5th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5214 0959 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Holly	<i>Ilex aquifolium</i>
Blackthorn	<i>Prunus spinosa</i>
Hawthorn	<i>Crataegus monogyna</i>
Dog Rose	<i>Rosa canina</i> agg.
White Campion	<i>Silene latifolia</i>
Red Campion	<i>Silene dioica</i>

Key Tree Species:-

Hazel	<i>Corylus avellana</i>
Elder	<i>Sambucus nigra</i>
Sycamore	<i>Acer pseudoplatanus</i>
Pedunculate Oak	<i>Quercus robur</i>
Silver Birch	<i>Betula pendula</i>
Crack Willow	<i>Salix fragilis</i>
Ash	<i>Fraxinus excelsior</i>

Target Note Reference: SK5209 TN10

Survey Date: 24th November 2011 Surveyor: Alison Sharkey MSc Grad IEEM

Grid Reference: SK 5217 0944 Habitat Type(s): Unimproved neutral grassland.

Additional information: No access to the site, however the site survey report previously undertaken on 18/07/2000 recorded it as an area of neutral grassland, herb rich in places with small wet areas. Do to the lack of access, this could not be confirmed or denied. This is part of LWS W5209/5.

1km Grid Square SK5210Target Note Reference: SK5210 TN1

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5291 1075 Habitat Type(s): Marshy grassland.

Key Floral Species:-

Purple Moor-grass	<i>Molinia caerulea</i>	Dominant
Matt-grass	<i>Nardus stricta</i>	Frequent
Heath Rush	<i>Juncus squarrosus</i>	Frequent
Tormentil	<i>Potentilla erecta</i>	Occasional
Heath-grass	<i>Danthonia decumbens</i>	Occasional

Additional information: Marshy grassland at head of leats. Dominated by purple moor-grass. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5210 TN2

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5289 1039 Habitat Type(s): Standing water eutrophic.

Key Floral Species:-

Soft Rush	<i>Juncus effusus</i>
-----------	-----------------------

Additional information: Pond, disturbed. – used by deer. Little vegetation but marginal Soft Rush. Part of Bradgate Park and Cropston Reservoir SSSI.

1km Grid Square SK5211**Target Note Reference: SK5211 TN1**

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5213 1131 Habitat Type(s): Acid grassland, exposed rock

Key Floral Species:-

Matt grass	<i>Nardus stricta</i>
Common Bent	<i>Agrostis capillaris</i>
Sheep's fescue	<i>Festuca ovina</i>
Purple Moor-grass	<i>Molinia caerulea</i>

Additional information: Acidic grassland, scattered large stones and small areas of exposed rock. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5211 TN2

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5287 1132 Habitat Type(s): Standing water eutrophic.

Key Floral Species:-

Soft Rush	<i>Juncus effusus</i>
-----------	-----------------------

Additional information: Pond, very disturbed and frequently used by deer including as a wallow in rutting season. Little vegetation but marginal Soft Rush. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5211 TN3

Survey Date: 21st October 2010

Surveyor: Steve Ralph MIEEM

Grid Reference: SK 5295 1152 Habitat Type(s): Standing water eutrophic.

Key Floral Species:-

Soft Rush	<i>Juncus effusus</i>
Sphagnum moss	<i>Sphagnum</i> sp.

Additional information: Pond, no aquatic vegetation, marshy margins. Marginal soft rush and sphagnum. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5211 TN4

Survey Date: 11th May 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid reference: SK 5202 1162 Habitat Type(s): Semi-improved neutral grassland

Key floral species:-

Soft rush	<i>Juncus effusus</i>
Sweet vernal-grass	<i>Anthoxanthum odoratum</i>
Red fescue	<i>Festuca rubra</i> agg.
Creeping bent	<i>Agrostis stolonifera</i>

Additional information: Damp pasture. Part of Local Wildlife Site W5211/4 Northern part of field and around pond.

Target Note Reference: SK5211 TN5

Survey Date: 11th May 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid reference: SK 5204 1158 Habitat Type(s): Standing water (pond)

Key floral species:-

Soft rush	<i>Juncus effusus</i>
Flag iris	<i>Iris pseudacorus</i>
Reedmace	<i>Typha latifolia</i>
Broad-leaved pondweed	<i>Potamogeton natans</i>
Bog pondweed	<i>Potamogeton polygonifolius</i>

Additional information: Approximately 50m x 20m Included within LWS W5211/4 Pond is stocked with fish, including carp.

Target Note Reference: SK5211 TN6

Survey Date: 11th May 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid reference: SK 5205 1153

Habitat Type(s): Species-rich hedgerow with trees

Key floral species:-

Hawthorn	<i>Crataegus monogyna</i>
Hazel	<i>Corylus avellana</i>
Ash	<i>Fraxinus excelsior</i>
Pedunculate oak	<i>Quercus robur</i>
Holly	<i>Ilex aquifolium</i>
Elder	<i>Sambucus nigra</i>
Goat willow	<i>Salix caprea</i>

Gelderose *Viburnum opulus*
Blackthorn *Prunus spinosa*

Additional information: Part of Local Wildlife Site W5211/4.

Target Note Reference: SK5211 TN7

Survey Date: 3rd November 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid reference: SK 5245 1193 *Habitat Type(s):* Standing water (pond)

Key floral species:-

Floating sweet-grass	<i>Glyceria fluitans</i>
Duckweed	<i>Lemna</i> sp.
False oat-grass	<i>Arrhenatherum elatius</i>
Common nettle	<i>Urtica dioica</i>
Creeping thistle	<i>Cirsium arvense</i>
Creeping buttercup	<i>Ranunculus repens</i>

Additional information: Approximately 3m x 6m, Pond is heavily poached by stock with limited areas of aquatic vegetation. The banks were of bare earth with areas of tall ruderal.

1km Grid Square SK5212Target Note Reference: SK5212 TN1

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5215 1245 Habitat Type(s): Semi-improved neutral grassland (species-poor)

Key Floral Species:-

False oatgrass	<i>Arrhenatherum elatius</i>
Smooth tare	<i>Vicia tetrasperma</i>
Large bird's foot trefoil	<i>Vicia tetrasperma</i>
Common bird's foot trefoil	<i>Lotus corniculatus</i>
Soft Rush	<i>Juncus effusus</i>
Common fleabane	<i>Pulicaria dysenterica</i>

Additional information: Species-poor neutral grassland.

Target Note Reference: SK5212 TN2

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5215 1266 Habitat Type(s): Semi-improved neutral grassland.

Key Floral Species:-

Crested Dog's-tail	<i>Cynosurus cristatus</i>
Larch	<i>Larix sp.</i>
Silver Birch	<i>Betula pendula</i>
Hazel	<i>Corylus avellana</i>
Field Maple	<i>Acer campestre</i>
Sweet Vernal Grass	<i>Anthoxanthum odoratum</i>
Large Bird's-foot-trefoil	<i>Lotus pedunculatus</i>
Sheep's Sorrel [agg.]	<i>Rumex acetosella</i>
Yellow-rattle	<i>Rhinanthus minor</i>
Cuckoo-flower	<i>Cardamine pratensis</i>
Hogweed	<i>Heracleum sphondylium</i>
Soft Rush	<i>Juncus effusus</i>
Red Clover	<i>Trifolium pratense</i>
Oxeye Daisy	<i>Leucanthemum vulgare</i>
Common Vetch	<i>Vicia sativa</i>
Ribwort Plantain	<i>Plantago lanceolata</i>

Additional information: Grass dominated semi-improved neutral grassland of moderate diversity. Young planted broadleaved trees.

Target Note Reference: SK5212 TN3

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5205 1247 Habitat Type(s): Mixed semi-natural woodland

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Pine	<i>Pinus sp.</i>
Sycamore	<i>Acer pseudoplatanus</i>
Beech	<i>Fagus sylvatica</i>
Larch	<i>Larix sp.</i>
With shrub layer:	
Rowan	<i>Sorbus aucuparia</i>
Holly	<i>Ilex aquifolium</i>
and field layer:	
Bluebell	<i>Hyacinthoides non-scripta</i>
Bramble	<i>Rubus fruticosus agg.</i>

Additional information: Mature mixed woodland of plantation origin with shrub layer including saplings.

Target Note Reference: SK5212 TN4

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5213 1212 Habitat Type(s): Mixed plantation woodland

Key Floral Species:-

Guelder Rose	<i>Viburnum opulus</i>
Pedunculate Oak	<i>Quercus robur</i>
Sweet Chestnut	<i>Castanea sativa</i>
Bramble	<i>Rubus fruticosus agg.</i>

Additional information: Young mixed plantation with thickets of bramble.

Target Note Reference: SK5212 TN5

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5222 1244 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Broad-leaved pondweed	<i>Potamogeton natans</i>
Common spike-rush	<i>Eleocharis palustris</i>
Reedmace	<i>Typha latifolia</i>
On banks:	
Common bird's foot trefoil	<i>Lotus corniculatus</i>
Great willowherb	<i>Epilobium hirsutum</i>
Bramble	<i>Rubus fruticosus</i>

Additional information: Large pond – good developing habitat. Semi-improved neutral grassland on banks.

Target Note Reference: SK5212 TN6

Survey Date: June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5220 1223 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Red fescue	<i>Festuca rubra</i>
Common birds foot trefoil	<i>Lotus corniculatus</i>
Yellow rattle	<i>Rhinanthus minor</i>
Ox-eye daisy	<i>Leucanthemum vulgare</i>
Germander speedwell	<i>Veronica chamaedrys</i>
False oat-grass	<i>Arrhenatherum elatius</i>

Additional information: Sown meadow. False oat-grass dominated to the south.

Target Note Reference: SK5212 TN7

Survey Date: 3rd November 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5245 1205 Habitat Type(s): Species-poor semi-improved grassland

Key Floral Species:-

Perennial rye-grass	<i>Lolium perenne</i>
Ribwort plantain	<i>Plantago lanceolata</i>
Common bent	<i>Agrostis capillaris</i>
Cock's-foot	<i>Dactylis glomerata</i>
Yorkshire fog	<i>Holcus lanatus</i>

Common sorrel	<i>Rumex acetosa</i>
Common cat's-ear	<i>Hypochaeris radicata</i>

Additional information: Series of three adjacent fields which although generally species-poor did support a few species indicative of less improved swards. The fields were assessed from the roadside, therefore recommend a full survey to fully assess botanical interest.

Target Note Reference: SK5212 TN8

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5258 1296 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Alder	<i>Alnus glutinosa</i>	Dominant
Elder	<i>Sambucus nigra</i>	
Hawthorn	<i>Crataegus monogyna</i>	
Blackthorn	<i>Prunus spinosa</i>	
Pedunculate Oak	<i>Quercus robur</i>	
Ash	<i>Fraxinus excelsior</i>	Occasional
Holly	<i>Ilex aquifolium</i>	Occasional
English Elm	<i>Ulmus procera</i>	Occasional

1km Grid Square SK5213**Target Note Reference: SK5213 TN1**

Survey Date: 2nd June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK5287 1362 *Habitat Type(s):* Broadleaved plantation
Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Silver birch	<i>Betula pendula</i>
Hazel	<i>Corylus avellana</i>
Holly	<i>Ilex aquifolium</i>
Rowan	<i>Sorbus aucuparia</i>
Pedunculate Oak	<i>Quercus robur</i>
Wild Cherry	<i>Prunus avium</i>

Additional information: Extensive area of recent planting.

Target Note Reference: SK5213 TN2

Survey Date: 2nd June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 5209 1326 *Habitat Type(s):* Broadleaved woodland
Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>	Dominant
Beech	<i>Fagus sylvatica</i>	
<i>With shrub layer:</i>		
Hazel	<i>Corylus avellana</i>	
Rhododendron	<i>Rhododendron ponticum</i>	
Holly	<i>Ilex aquifolium</i>	
<i>and field layer:</i>		
Bluebell	<i>Hyacinthoides non-scripta</i>	

Additional information: Mature oak woodland.

Target Note Reference: SK5213 TN3

Survey Date: 2nd June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 5270 1301 *Habitat Type(s):* Standing water eutrophic
Key Floral Species:-
 Common nettle *Urtica dioica*

Additional information: A shallow cattle pond (Approx 60cm deep) with concrete sides and base and dry stone walls on three sides, with nettles around the open side. The water is part shaded with no aquatic vegetation. Leaf litter is building up in the water.

Target Note Reference: SK5213 TN4

Survey Date: 2nd June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 5283 1308 *Habitat Type(s):* Species-rich hedgerow
Key Floral Species:-

Alder	<i>Alnus glutinosa</i>
Hawthorn	<i>Crataegus monogyna</i>
Pedunculate Oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Elder	<i>Sambucus nigra</i>
Blackthorn	<i>Prunus spinosa</i>
Field Maple	<i>Acer campestre</i>
Holly	<i>Ilex aquifolium</i>

Target Note Reference: SK5213 TN5

Survey Date: 2nd June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 5292 1326 *Habitat Type(s):* Species-rich hedgerow
Key Floral Species:-

Alder	<i>Alnus glutinosa</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Pedunculate Oak	<i>Quercus robur</i>
Goat willow	<i>Salix caprea</i>
Ash	<i>Fraxinus excelsior</i>
Silver Birch	<i>Betula pendula</i>
Dog rose	<i>Rosa canina</i>

1km Grid Square SK5214**Target Note Reference: SK5214 TN1**

Survey Date: 4th August 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 5258 1427 *Habitat Type(s):* Broadleaved woodland

Key Floral Species:-

Pedunculate oak	<i>Quercus robur</i>
Sycamore	<i>Acer pseudoplatanus</i>
Rowan	<i>Sorbus aucuparia</i>
Hazel	<i>Corylus avellana</i>
Sweet chestnut	<i>Castanea sativa</i>
Holly	<i>Ilex aquifolium</i>
Bramble	<i>Rubus fruticosus</i>
Bracken	<i>Pteridium aquilinum</i>

Additional information: Broadleaved woodland comprising mainly mature pedunculate oak and self-seeded sycamore of various ages. Understorey mainly rowan, hazel and holly and field layer predominantly bramble and bracken. Designated as Local Wildlife Site (LWS W5214/7) for broadleaved woodland which meets the primary criteria; exceeds the 5Ha size threshold and most trees present are the result of natural regeneration.

Target Note Reference: SK5214 TN2

Survey Date: 29th March 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 5230 1452 *Habitat Type(s):* Species-rich hedgerow with trees

Key Floral Species:-

Holly	<i>Ilex aquifolium</i>
Hawthorn	<i>Crataegus monogyna</i>
Pedunculate oak (trees)	<i>Quercus robur</i>
Honeysuckle	<i>Lonicera periclymenum</i>
Rowan	<i>Sorbus aucuparia</i>
Sycamore	<i>Acer pseudoplatanus</i>
Beech	<i>Fagus sylvatica</i>
Dog rose	<i>Rosa canina</i>
Ash	<i>Fraxinus excelsior</i>
Goat willow	<i>Salix caprea</i>
English elm	<i>Ulmus procera</i>

Target Note Reference: SK5214 TN3

Survey Date: 4th August 2010 (resurvey 15th April 2011)

Surveyor: Mike Poulton AIEEM (resurvey by Steve Ralph MSc MIEEM)

Grid Reference: SK 5204 1480 *Habitat Type(s):* Pond

Key Floral Species:-

Yellow iris	<i>Iris pseudacorus</i>
Water mint	<i>Mentha aquatica</i>
Meadow sweet	<i>Filipendula ulmaria</i>
Nuttall's waterweed	<i>Elodea nuttallii</i>
Common fleabane	<i>Pulicaria dysenterica</i>
Yellow loosestrife	<i>Lysimachia vulgaris</i>
Marsh marigold	<i>Caltha palustris</i>
Soft rush	<i>Juncus effusus</i>
Floating sweet grass	<i>Glyceria fluitans</i>
Hoary willowherb	<i>Epilobium parviflorum</i>

Additional Information: Pond 5x8m. Very turbid. Newt egg (smooth or palmate) found on hoary willowherb by Steve Ralph MSc MIEEM on 15/04/2011.

Target Note Reference: SK5214 TN4

Survey Date: 4th August 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 5208 1447 *Habitat Type(s):* Broadleaved woodland

Key Floral Species:-

Pedunculate oak	<i>Quercus robur</i>
Silver birch	<i>Betula pendula</i>

Additional information: With patches of dense bracken. Part of Beacon Hill, Hangingstone and Outwoods SSSI. Surveyed from road.

Target Note Reference: SK5214 TN5

Survey Date: 4th August 2010. Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5200 1490 Habitat Type(s): Semi-improved neutral grassland (damp)

Key Floral Species:-

Soft rush	<i>Juncus effuses</i>
Common fleabane	<i>Pulicaria dysenterica</i>
Sneezewort	<i>Achillea ptarmica</i>
Yellow rattle	<i>Rhinanthus minor</i>

1km Grid Square SK5215Target Note Reference: SK5215 TN1

Survey Date: 14th October 2011 Surveyor: Alison Sharkey MSc Grad IEEM

Grid Reference: SK 5252 1584 Habitat Type(s): Dry pond (tall ruderal)

Key Floral Species:-

Ash

Fraxinus excelsior

Common Nettle

Urtica dioica

Additional information: Dry pond full of tall ruderal / scrub species, dominated by common nettle (*Urtica dioica*).

Target Note Reference: SK5215 TN2

Survey Date: 14th October 2011 Surveyor: Alison Sharkey MSc Grad IEEM

Grid Reference: SK 5273 1594 Habitat Type(s): Dry pond (bare ground)

Key Floral Species:-

Ash

Fraxinus excelsior

Common Nettle

Urtica dioica

Field Maple

Acer campestre

Additional information: Dry pond with minimal ground flora surrounded by woodland.

1km Grid Square SK5221Target Note Reference: SK5221 TN1

Survey Date: 14th September 2011 Surveyor: Sarah Love BSc (Hons) AIEEMA

Grid Reference: SK 5212 2177 Habitat Type(s): Running water

Key Floral Species:-

Common Nettle	<i>Urtica dioica</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Field Bindweed	<i>Convolvulus arvensis</i>
Ground-ivy	<i>Glechomahederacea</i>
Hogweed	<i>Heracleum sphondylium</i>
Dandelion	<i>Taraxacum officinale</i> agg.
Rosebay Willowherb	<i>Chamerion angustifolium</i>
a dock	<i>Rumex</i> sp.
Cock's-foot	<i>Dactylis glomerata</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Creeping Thistle	<i>Cirsium arvense</i>
White Dead-nettle	<i>Lamium album</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Great Willowherb	<i>Epilobium hirsutum</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Greater Plantain	<i>Plantago major</i>
Cow Parsley	<i>Anthriscus sylvestris</i>
Yarrow	<i>Achillea millefolium</i>
White Clover	<i>Trifolium repens</i>
Mugwort	<i>Artemisia vulgaris</i>

Additional information: Limited aquatic vegetation, but some patches of reedmace, common duckweed and reed canary-grass. Fish are also present, adjacent to a large fishing lake.

Target Note Reference: SK5221 TN2

Survey Date: 30th November 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5249 2180 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Creeping Buttercup	<i>Ranunculus repens</i>

Perennial Rye-grass
Cock's-foot
Common Bent
Dandelion
Yorkshire Fog
Common Sorrel
Red fescue
Great Burnet
Meadow Vetchling
Dove's-foot's Crane's-bill
Yarrow

Lolium perenne
Dactylis glomerata
Agrostis capillaris
Taraxacum officinale agg.
Holcus lanatus
Rumex acetosa
Festuca rubra
Sanguisorba officinalis
Lathyrus pratensis
Geranium molle
Achillea millefolium

Additional information: Within Bishop Meadow LWS, (W5221/3) Access to the field to the east was not possible, however through binoculars it appeared to be under similar management.

Target Note Reference: SK5221 TN3

Survey Date: 30th November 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5271 2170 Habitat Type(s): Running water (part of canal)

Key Floral Species:-

Meadowsweet	<i>Filipendula ulmaria</i>
Water Figwort	<i>Scrophularia auriculata</i>
Bittersweet	<i>Solanum dulcamara</i>
Lesser Pond Sedge	<i>Carex acutiformis</i>
Reed Canary Grass	<i>Phalaris arundinacea</i>
Reed Sweet-grass	<i>Glyceria maxima</i>
Hawthorn	<i>Crataegus monogyna</i>
Dog Rose	<i>Rosa canina</i>
Bramble	<i>Rubus fruticosus</i>
Floating Pennywort	<i>Hydrocotyle ranunculoides</i>

Additional information: Stretch of canal (approximately 10m wide) with relatively diverse marginal and bank side vegetation. Scattered scrub occurred occasionally along bank. Floating pennywort occurred rarely.

1km Grid Square SK5309Target Note Reference: SK5309 TN1

Survey Date: 3rd August 2010 Surveyor: John Moore PhD MIEEM
 Grid Reference: SK 5393 0995 Habitat Type(s): Semi-improved neutral grassland and marshy grassland

Key Floral Species:-

Yorkshire fog	<i>Holcus lanatus</i>
Cock's foot	<i>Dactylis glomerata</i>
Common bent	<i>Agrostis capillaris</i>
Perennial rye grass	<i>Lolium perenne</i>
Soft rush	<i>Juncus effusus</i>
Hairy sedge	<i>Carex hirta</i>
Great burnet	<i>Sanguisorba officinalis</i>

Additional information: Area of semi-improved neutral grassland extending to area of marshy grassland. Soft rush, hairy sedge and great burnet occasional in a sward dominated by the other species. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5309 TN2

Survey Date: 3rd August 2010 Surveyor: John Moore PhD MIEEM
 Grid Reference: SK 5361 0988 Habitat Type(s): Semi-improved neutral grassland and acidic grassland

Key Floral Species:-

Semi-improved neutral grassland:

Red fescue	<i>Festuca rubra</i>
Common bent	<i>Agrostis capillaris</i>
Sweet vernal grass	<i>Anthoxanthum odoratum</i>
False oat grass	<i>Arrhenatherum elatius</i>
Yorkshire fog	<i>Holcus lanatus</i>
Tormentil	<i>Potentilla erecta</i>
Hairy sedge	<i>Carex hirta</i>
Common sorrel	<i>Rumex acetosa</i>
White clover	<i>Trifolium repens</i>
Crested dog's tail	<i>Cynosurus cristatus</i>
Acid grassland:	
Sheep's sorrel	<i>Rumex acetosella</i>
Mouse ear hawkweed	<i>Pilosella officinarum</i>

Heath bedstraw	<i>Galium saxatile</i>
Heath grass	<i>Danthonia decumbens</i>
Soft rush	<i>Juncus effusus</i>
Jointed rush	<i>Juncus articulatus</i>

Additional information: Large area containing mosaic of semi-improved neutral grassland and acidic grassland. Acid grassland found primarily on ant hills. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5309 TN3

Survey Date: 3rd August 2010 Surveyor: John Moore PhD MIEEM
 Grid Reference: SK 5378 0969 Habitat Type(s): Pond

Key Floral Species:-

Branched bur-reed	<i>Sparganium erectum</i>
Hawthorn	<i>Crataegus monogyna</i>
Pedunculate oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Bramble	<i>Rubus fruticosus</i>

Additional information: Approximately 6x6m pond, surrounded by hawthorn scrub. No access.

Target Note Reference: SK5309 TN4

Survey Date: 3rd August 2010 Surveyor: John Moore PhD MIEEM
 Grid Reference: SK 5333 0961 Habitat Type(s): Broadleaved trees and continuous bracken

Key Floral Species:-

Pedunculate oak	<i>Quercus robur</i>
Sweet chestnut	<i>Castanea sativa</i>
Bracken	<i>Pteridium aquilinum</i>
Sharp rush	<i>Juncus acutus</i>
Large bird's-foot trefoil	<i>Lotus pedunculatus</i>
Common marsh-bedstraw	<i>Galium palustre</i>
Tormentil	<i>Potentilla erecta ssp. erecta</i>
Yorkshire fog	<i>Holcus lanatus</i>
Creeping soft grass	<i>Holcus mollis</i>
Sheep's sorrel	<i>Rumex acetosella</i>

Common bent

Agrostis capillaris

Additional information: Large area dominated by dense bracken beneath recently planted broadleaved trees and a large number of mature trees. In some areas, woodland has encroached into grassland areas detailed in Target Notes 1 and 2 with some species of acidic habitats. Part of Bradgate Park and Cropston Reservoir SSSI.

1km Grid Square SK5310Target Note Reference: SK5310 TN1Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5370 1035 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Semi-neutral grassland area

Common Bent

Agrostis capillaries

Red Fescue

Festuca rubra agg.

Sweet Vernal Grass

Anthoxanthum odoratum

Yorkshire-fog

Holcus lanatus

Soft Rush

Juncus effusus

Additional information:

Acidic grassland on anthills where following species present:

Heath Bedstraw

Galium saxatile

Sheep's Sorrel [agg.]

Rumex acetosella

Sheep's Fescue [agg.]

Festuca ovina agg.

Heath-grass

Danthonia decumbens

Additional information: Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5310 TN2Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5385 1020 Habitat Type(s): Poor semi-improved neutral grassland

Key Floral Species:-

Common Bent

Agrostis capillaries

Perennial Rye-grass

Lolium perenne

Crested Dog's-tail

Cynosurus cristatus

Additional information: Mildly acidic grassland on banks, neutral grassland on top.

Target Note Reference: SK5310 TN3Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5345 1025 Habitat Type(s): Poor semi-improved grassland.

Key Floral Species:-

Crested Dog's-tail

Cynosurus cristatus

Perennial Rye-grass

Lolium perenne

(patches)

White Clover

Trifolium repens

Frequent

Additional information: Neutral and acidic semi-improved swards around ruins. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5310 TN4Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5345 1030 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Amphibious Bistort

Persicaria amphibia

Soft Rush

Juncus effusus

Additional information: Little aquatic vegetation except stand of amphibious bistort and marginal soft rush. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5310 TN5Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5350 1045 Habitat Type(s): Acid grassland.

Key Floral Species:-

Sheep's Fescue [agg.]

Festuca ovina agg.

Abundant

Common Bent

Agrostis capillaris

Abundant

Sweet Vernal Grass

Anthoxanthum odoratum

Abundant

Heath Bedstraw

Galium saxatile

Frequent

Common Bird's-foot-trefoil

Lotus corniculatus

Frequent

Tormentil

Potentilla erecta

Abundant

White Clover

Trifolium repens

Frequent

Mat-grass

Nardus stricta

Occasional

Soft Rush

Juncus effusus

in ditches

Sharp Rush

Juncus acutus

in ditches

Marsh Pennywort

Hydrocotyle vulgaris

in ditches

Additional information: Mildly acidic sward with abundant anthills. Soft rush, sharp rush and marsh pennywort in ditches. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5310 TN6

Survey Date: 21st October 2010 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5339 1072 Habitat Type(s): Dense bracken, acidic grassland

Key Floral Species:-

Bracken	<i>Pteridium aquifolium</i>
Purple Moor-grass	<i>Molinia caerulea</i>
Matt-grass	<i>Nardus stricta</i>
Sheep's sorrel	<i>Rumex acetosella</i>

Additional information: Part of Bradgate Park and Cropston Reservoir SSSI. Dense bracken covering this site is being rolled in large areas with the aim of creating acidic grassland. Large areas surveyed as dense bracken on 02/08/2010 had been rolled flat by 21/10/2010 and were Purple moor grass dominated. Bracken cover remains at least 25% at present but this is likely to be reduced if current management practices continue.

Further surveys: Re-survey at a later date.

Target Note Reference: SK5310 TN7

Survey Date: 21st October 2010 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 53171025 Habitat Type(s): Acidic grassland.

Key Floral Species:-

Bracken	<i>Pteridium aquilinum</i>
Purple Moor-grass	<i>Molinia caerulea</i>
Common Bent	<i>Agrostis capillaris</i>
Mat-grass	<i>Nardus stricta</i>
Sheep's sorrel	<i>Rumex acetosella</i>

Additional information: Acid grassland originally dense bracken, - now rolled to control bracken (although some remains scattered). (Also See SK5310TN6) Part of Bradgate Park and Cropston Reservoir SSSI.

1km Grid Square SK5311Target Note Reference: SK5311 TN1Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5355 1155 Habitat Type(s): Neutral grassland/acid grassland.

Key Floral Species:-

Acid grassland area

Red Fescue	<i>Festuca rubra</i>	Abundant
Common Bent	<i>Agrostis capillaris</i>	Abundant
Sweet Vernal Grass	<i>Anthoxanthum odoratum</i>	Abundant
Wavy Hair-grass	<i>Deschampsia flexuosa</i>	Less frequent
Tormentil	<i>Potentilla erecta</i>	Abundant
Common Bird's-foot-trefoil	<i>Lotus corniculatus</i>	Frequent
Heath Bedstraw	<i>Galium saxatile</i>	Abundant
Wood Sage	<i>Teucrium scorodonia</i>	Rare
Bluebell	<i>Hyacinthoides non-scripta</i>	Frequent
Meadow Vetchling	<i>Lathyrus pratensis</i>	Rare
Tufted Vetch	<i>Vicia cracca</i>	Rare
Germander Speedwell	<i>Veronica chamaedrys</i>	Rare
Ling	<i>Calluna vulgaris</i>	Less frequent

Neutral grassland area

False Oat-grass	<i>Arrhenatherum elatius</i>	
Red Fescue	<i>Festuca rubra</i> agg.	
Yorkshire-fog	<i>Holcus lanatus</i>	
Sweet Vernal Grass	<i>Anthoxanthum odoratum</i>	
Ribwort Plantain	<i>Plantago lanceolata</i>	Abundant
Common Knapweed	<i>Centaurea nigra</i>	Rare
Great Burnet	<i>Sanguisorba officinalis</i>	Rare

Additional information: Covered reservoir. Mildly acidic grassland on banks, neutral grassland on top Included within LWS W5311/2.

Target Note Reference: SK5311 TN2Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5370 1145 Habitat Type(s): Mixed plantation

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>	Dominant
Scots Pine	<i>Pinus sylvestris</i>	

Beech
Silver Birch
Sweet Chestnut
Holly
Rowan

Fagus sylvatica
Betula pendula
Castanea sativa
Ilex aquifolium
Sorbus aucuparia

Additional information: Part of Bradgate Park and Cropston Reservoir SSSI. No public access to this woodland. Two quarries within woodland area (as shown on Ordnance Survey maps).

Target Note Reference: SK5311 TN3Survey Date: 21st October 2010

Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5340 1130 Habitat Type(s): Semi-improved neutral grassland.

Key Floral Species:-

Red Fescue	<i>Festuca rubra.</i>
Common Bent	<i>Agrostis capillaris</i>
Crested Dog's-tail	<i>Cynosurus cristatus</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Crested Dog's-tail	<i>Cynosurus cristatus</i>
Dandelion	<i>Taraxacum officinale</i>
Daisy	<i>Bellis perennis</i>
Common Sorrel	<i>Rumex acetosa</i>
Creeping Thistle	<i>Cirsium arvense</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Selfheal	<i>Prunella vulgaris</i>
Mouse-ear-hawkweed	<i>Pilosella officinarum</i>
Red Clover	<i>Trifolium pratense</i>
Lady's Bedstraw	<i>Galium verum</i>
White Clover	<i>Trifolium repens</i>
Yarrow	<i>Achillea millefolium</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Common Bird's-foot-trefoil	<i>Lotus corniculatus</i>
Common Ragwort	<i>Senecio jacobaea</i>

Additional information: More acidic towards edges of bracken. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5311 TN4Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5350 1115 Habitat Type(s): Marshy grassland

Key Floral Species:-

Purple Moor-grass	<i>Molinia caerulea</i>	Dominant
Bracken	<i>Pteridium aquilinum</i>	Abundant
Mat-grass	<i>Nardus stricta</i>	Frequent
Heath Rush	<i>Juncus squarrosus</i>	Occasional
Compact Rush	<i>Juncus conglomeratus</i>	Occasional
Soft Rush	<i>Juncus effusus</i>	Occasional
Papillose sphagnum	<i>Sphagnum papillosum</i>	Less frequent
Tormentil	<i>Potentilla erecta</i>	Occasional

Additional information: This area becoming increasingly damp as grips have been blocked to facilitate return to marshy grassland. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5311 TN5Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5320 1120 Habitat Type(s): Acid grassland with bracken

Key Floral Species:-

Mat-grass	<i>Nardus stricta</i>	Dominant
Wavy Hair-grass	<i>Deschampsia flexuosa</i>	
Bracken	<i>Pteridium aquilinum</i>	Abundant

Additional information: Exposed rocks with trampled acid grassland amongst patches of dense bracken. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5311 TN6Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5320 1140 Habitat Type(s): Marshy grassland

Key Floral Species:-

Purple Moor-grass	<i>Molinia caerulea</i>	Dominant
Soft Rush	<i>Juncus effusus</i>	Occasional
Sharp Rush	<i>Juncus acutiflorus</i>	

Additional information:

Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5311 TN7Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5330 1152 Habitat Type(s): Acid grassland, neutral grassland

Key Floral Species:-

Acid grassland area

Red Fescue	<i>Festuca rubra</i>	Abundant
Common Bent	<i>Agrostis capillaris</i>	Abundant
Sweet Vernal Grass	<i>Anthoxanthum odoratum</i>	Abundant
Wavy Hair-grass	<i>Deschampsia flexuosa</i>	Less frequent
Tormentil	<i>Potentilla erecta</i>	Abundant
Common Bird's-foot-trefoil	<i>Lotus corniculatus</i>	Frequent
Heath Bedstraw	<i>Galium saxatile</i>	Abundant
Wood Sage	<i>Teucrium scorodonia</i>	Rare
Bluebell	<i>Hyacinthoides non-scripta</i>	Frequent
Meadow Vetchling	<i>Lathyrus pratensis</i>	Rare
Tufted Vetch	<i>Vicia cracca</i>	Rare
Germander Speedwell	<i>Veronica chamaedrys</i>	Rare
Ling	<i>Calluna vulgaris</i>	Less frequent

Neutral grassland area

False Oat-grass	<i>Arrhenatherum elatius</i>	
Red Fescue	<i>Festuca rubra</i>	
Yorkshire-fog	<i>Holcus lanatus</i>	
Sweet Vernal Grass	<i>Anthoxanthum odoratum</i>	
A sedge	<i>Carex flava</i> agg.	
Ribwort Plantain	<i>Plantago lanceolata</i>	Abundant
Common Knapweed	<i>Centaurea nigra</i>	Rare
Great Burnet	<i>Sanguisorba officinalis</i>	Rare

Additional information: Mildly acidic grassland grading to neutral on banks. Included within LWS W5311/2.

Additional information: Originally dense bracken, now rolled to control bracken (though some remains scattered).

Target Note Reference: SK5311 TN8

Survey Date: 2nd June 2010 *Surveyor:* John Moore PhD MIEEM

Grid Reference: SK 5375 1120 *Habitat Type(s):* Standing water eutrophic

Key Floral Species:-

Soft Rush *Juncus effusus*

Additional information: No aquatic vegetation. Rush margins. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5311 TN9

Survey Date: 2nd June 2010 *Surveyor:* John Moore PhD MIEEM

Grid Reference: SK 5395 1130 *Habitat Type(s):* Running water

Key Floral Species:-

Sharp Rush	<i>Juncus acutus</i>	<i>Dominant</i>
Greater Bird's-foot-trefoil	<i>Lotus pedunculatus</i>	
Lesser Spearwort	<i>Ranunculus flammula</i>	
Common Marsh-bedstraw	<i>Galium palustre</i>	

Additional information: Stream running from historic drainage channels in valley. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5311 TN10

Survey Date: 21st October 2010 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 5395 1135 *Habitat Type(s):* Acid grassland.

Key Floral Species:-

Bracken	<i>Pteridium aquilinum</i>
Purple Moor-grass	<i>Molinia caerulea</i>
Common Bent	<i>Agrostis capillaris</i>
Heath Bedstraw	<i>Galium saxatile</i>
Sheep's sorrel	<i>Rumex acetosella</i>

1km Grid Square SK5312Target Note Reference: SK5312 TN1

Survey Date: June 2010 Surveyor: John Moore PhD MIEEM
Grid Reference: SK 5384 1254 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Pedunculate Oak *Quercus robur*
Large-leaved Lime *Tilia platyphyllos*
Ash *Fraxinus excelsior*
Birch *Betula sp.*

With shrub layer:

Hazel *Corylus avellana*
Sycamore *Acer pseudoplatanus*
Holly *Ilex aquifolium*
Sycamore *Acer pseudoplatanus*

And field layer:

Bluebell *Hyacinthoides non-scripta*
Bramble *Rubus fruticosus agg.*
Wood Millet *Milium effusum*
Wood Anemone *Anemone nemorosa*
Honeysuckle *Lonicera periclymenum*
Common Figwort *Scrophularia nodosa*
Pendulus Sedge *Carex pendula*
Enchanter's-nightshade *Circaea lutetiana*
Bracken *Pteridium aquilinum*
Bugle *Ajuga reptans*
Yellow Pimpernel *Lysimachia nemorum*
Great Wood-rush *Luzula sylvatica*
Wood-sorrel *Oxalis acetosella*

Wet areas include:

Alder *Alnus glutinosa* Dominant
Brooklime *Veronica beccabunga*
Common Valerian *Valeriana officinalis*
Water Mint *Mentha aquatica*
Marsh Marigold *Caltha palustris*

Additional information: Large broadleaved woodland, -Swithland wood. (Part of Swithland Wood and The Brand SSSI.) Fine, well structured oak woodland with alder in damper areas. Heavy public access.

Target Note Reference: SK5312 TN2

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM
Grid Reference: SK 5382 1279 Habitat Type(s): Unimproved neutral grassland

Key Floral Species:-

Red fescue *Festuca rubra*
Common bent *Agrostis capillaris*
Sweet vernal grass *Anthoxanthum odoratum*
Great burnett *Sanguisorba officinalis*
Yellow rattle *Rhinanthus minor*
Common birds foot trefoil *Lotus corniculatus*
Common spotted orchid *Dactylorhiza fuchsii*
Lily of the valley *Convallaria majalis*
Tormentil *Potentilla erecta*
Lady's bedstraw *Galium verum*
Devil's bit scabious *Succisa pratensis*
Meadow sweet *Filipendula ulmaria*
Lousewort *Pedicularis sylvatica*
Bitter-vetch *Lathyrus linifolius*
Common knapweed *Centaurea nigra*
Saw wort *Serratula tinctoria*

Additional information: Diverse meadow in the centre of Swithland wood. Chimney sweeper moths abundant. Within Swithland Wood & The Brand SSSI.

Target Note Reference: SK5312 TN3

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM
Grid Reference: SK 5319 1256 Habitat Type(s): Acid grassland

Key Floral Species:-

Red fescue *Festuca rubra*
Sweet vernal grass *Anthoxanthum odoratum*
Sheeps fescue *Festuca ovina*
Common bent *Agrostis capillaris*
Heather *Calluna vulgaris*
Heath bedstraw *Galium saxatile*
Ladys bedstraw *Galium verum*

Heath speedwell
 Germander speedwell
 Mouse-ear hawkweed
 Tormentil

Veronica officinalis
Veronica chamaedrys
Pilosella officinarum
Potentilla erecta

Hazel
 Large-leaved Lime

Corylus avellana
Tilia platyphyllos

Additional information: Within Swithland Wood & The Brand SSSI.

Additional information: Part of Rocliffe Manor Lawns SSSI. Unimproved acid grassland together with a rich fungal assemblage.

Target Note Reference: SK5312 TN4

Survey Date: 2nd June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 5399 1219 *Habitat Type(s):* Broadleaved woodland/Acid grassland/Standing water eutrophic/Bare ground

Key Floral Species:-

Wavy hair-grass	<i>Deschampsia flexuosa</i>	Dominant
Great wood rush	<i>Luzula sylvatica</i>	
Wood sage	<i>Teucrium scorodonia</i>	

Additional information: Quarried area with standing water and adjacent hummocks and hollows. Main area not accessible due to a high fence and razor wire, apparently to prevent suicides. Within Swithland Wood & The Brand SSSI.

Target Note Reference: SK5312 TN5

Survey Date: 2nd June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 5361 1298 *Habitat Type(s):* Species-rich hedgerow

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Elder	<i>Sambucus nigra</i>
Ash	<i>Fraxinus excelsior</i>
Hazel	<i>Corylus avellana</i>
Holly	<i>Ilex aquifolium</i>
Sycamore	<i>Acer pseudoplatanus</i>
Alder	<i>Alnus glutinosa</i>
Field Maple	<i>Acer campestre</i>
Wych Elm	<i>Ulmus glabra</i>

1km Grid Square SK5313**Target Note Reference: SK5313 TN1**

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5344 1388 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Sycamore	<i>Acer pseudoplatanus</i>
Silver birch	<i>Betula pendula</i>
Holly	<i>Ilex aquifolium</i>
Elder	<i>Sambucus nigra</i>
Cherry laurel	<i>Prunus laurocerasus</i>
Wych elm	<i>Ulmus glabra</i>
Hazel	<i>Corylus avellana</i>
Ivy	<i>Hedera helix</i>
Bramble	<i>Rubus fruticosus</i> agg.
Stinging nettle	<i>Urtica dioica</i>

Additional information: Mostly immature (pole stage) sycamore and silver birch.

Target Note Reference: SK5313 TN2

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5334 1361 Habitat Type(s): Mixed plantation woodland

Key Floral Species:-

Sycamore	<i>Acer pseudoplatanus</i>
Pedunculate oak	<i>Quercus rubra</i>
Ash	<i>Fraxinus excelsior</i>
Beech	<i>Fagus sylvatica</i>
Holly	<i>Ilex aquifolium</i>
Cherry laurel	<i>Prunus laurocerasus</i>
Larch	<i>Larix decidua</i>
Bramble	<i>Rubus fruticosus</i> agg.
Stinging nettle	<i>Urtica dioica</i>

Additional information: Mix of wooded gardens and pre-existing woodland, overall classified as mixed plantation.

Target Note Reference: SK5313 TN3

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5380 1333 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Sycamore	<i>Acer pseudoplatanus</i>
Ash	<i>Fraxinus excelsior</i>
Holly	<i>Ilex aquifolium</i>
Wych elm	<i>Ulmus glabra</i>
Hawthorn	<i>Crataegus monogyna</i>
Ivy	<i>Hedera helix</i>
Bramble	<i>Rubus fruticosus</i> agg.
Dog's mercury	<i>Mercurialis perennis</i>

Additional information: Mature broadleaved woodland surround pond (no access to pond) in steep sided depression.

Target Note Reference: SK5313 TN4

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5374 1308 Habitat Type(s): Standing water

Key Floral Species:-

No aquatic vegetation visible

Additional information: Standing water in deep quarried hollows, no access due to steep cliffs surrounding the water. The pond is within Swithland Wood and the Brand SSSI. Large Fish Koi Carp (*Cyrianus carpio*) Bream (*Alburnus brama*) and roach (*Rutilus rutilus*) were observed from the top of the cliffs.

Target Note Reference: SK5313 TN5

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5384 1367 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Ash	<i>Fraxinus excelsior</i>
Hazel	<i>Corylus avellana</i>
Holly	<i>Ilex aquifolium</i>

Beech	<i>Fagus sylvatica</i>
Dog Rose	<i>Rosa canina</i>
Willow	<i>Salix</i> sp

Additional information: Recently flailed, so this species list may not be complete.

Target Note Reference: SK5313 TN6

Survey Date: 2nd June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 5382 1374 *Habitat Type(s):* Species-rich hedgerow
Key Floral Species:-

Holly	<i>Ilex aquifolium</i>
Pedunculate Oak	<i>Quercus robur</i>
Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Hazel	<i>Corylus avellana</i>
Beech	<i>Fagus sylvatica</i>
English Elm	<i>Ulmus procera</i>
Dog Rose	<i>Rosa canina</i>

Additional information: Double hedgerow over a dry ditch, the outer hedgerow is unbroken, the inner somewhat defunct.

Target Note Reference: SK5313 TN7

Survey Date: 3rd November 2011 *Surveyor:* Steve Ralph MSc MIEEM
Grid Reference: SK 5385 1313 *Habitat Type(s):* Standing water

Additional information: 40m x 20m water body at the base of an old quarry (steep rock faces were present). Duckweed (*Lemna* sp.) covered the surface with no other aquatic or marginal vegetation noted with the exception of some soft rush (*Juncus effusus*) on the banks. The water body was heavily shaded by beech (*Fagus sylvatica*), pedunculate oak (*Quercus robur*), silver birch (*Betula pendula*), holly (*Ilex aquifolium*) and rhododendron (*Rhododendron* sp.) Within Swithland Wood & The Brand SSSI.

Target Note Reference: SK5313 TN8

Survey Date: 3rd November 2011 *Surveyor:* Steve Ralph MSc MIEEM
Grid Reference: SK 5388 1314 *Habitat Type(s):* Standing water

Additional information: 10m x 15m water body at the base of a deep, steep sided old quarry. Duckweed (*Lemna* sp.) covered the surface with no other aquatic or marginal vegetation noted. Beech (*Fagus sylvatica*), pedunculate oak (*Quercus robur*), holly (*Ilex aquifolium*), ash (*Fraxinus excelsior*), yew (*Taxus baccata*) and rowan (*Sorbus aucuparia*).

Target Note Reference: SK5313 TN9

Survey Date: 26th July 2012 *Surveyor:* Zoe Jackson MSc Grad IEEM
Grid Reference: SK 5367 1325 *Habitat Type(s):* Standing water

Key Floral Species:-

Yellow Water Lily	<i>Nuphar lutea</i>
-------------------	---------------------

Additional information: Large pond used for fishing, no aquatic vegetation except for a few Yellow water lily. Within Swithland Wood & The Brand SSSI.

Target Note Reference: SK5313 TN10

Survey Date: 26th July 2012 *Surveyor:* Zoe Jackson MSc Grad IEEM
Grid Reference: SK 5368 1321 *Habitat Type(s):* Standing water

Key Floral Species:-

Yellow Iris	<i>Iris pseudacorns</i>
Meadowsweet	<i>Fillipendula ulmeria</i>

Additional information: Small pond up to 50cm deep, Little aquatic vegetation (iris and meadowsweet). A small brook enters the pond with a small waterfall. Within Swithland Wood & The Brand SSSI.

1km Grid Square SK5314**Target Note Reference: SK5314 TN1**Survey Date: 4th August 2010

Grid Reference: SK 5391 1489

Surveyor: Mike Poulton AIEEM

Habitat Type(s): Pond

Key Floral Species:-

White water lily

Yellow iris

Branched bur-reed

*Nymphaea alba**Iris pseudacorus**Sparganium erectum*

Additional information: Large water body with constructed walkway to tree-covered central island. Edge of pond tree lined.

Local Wildlife Site W5314/9 – in 2002, met primary amphibian assemblage criteria by containing over 100 adult common toads. The Local Wildlife Site incorporates the water body and a 6m riparian zone around the pond.

Target Note Reference: SK5314 TN2Survey Date: 4th August 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5365 1478 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

False oat grass

Lady's bedstraw

Meadow vetchling

Common knapweed

Lesser stitchwort

Common birds-foot trefoil

Great burnet

Betony

*Arrhenatherum elatius**Galium verum**Lathyrus pratensis**Centaurea nigra**Stellaria graminea**Lotus corniculatus**Sanguisorba officinalis**Stachys officinalis*

Additional information: Local Wildlife Site W5314/8 – designated in 2005 for meeting primary criteria for Mesotrophic grassland and for meeting the primary criteria for mixed grassland. Small copper (*Lycena phlaeas*), small white (*Pieris rapae*) and gate keeper (*Pyronia tithonus*) butterflies recorded (4th August 2010).

Target Note Reference: SK5314 TN3Survey Date: 29th March 2011

Grid Reference: SK 5346 1502

Surveyor: Steve Ralph MSc MIEEM

Habitat Type(s): Species-poor hedgerow

Key Floral Species:-

Blackthorn

Holly

Hawthorn

Elder

English Elm

Ash

Hazel

*Prunus spinosa**Ilex aquifolium**Crataegus monogyna**Sambucus nigra**Ulmus procera**Fraxinus excelsior**Corylus avellana*

Rare

Abundant

Frequent

Occasional

Frequent

Occasional

Occasional

Additional information: Dense and dominated by holly. Does not quite qualify as species-rich hedgerow but is of noteworthy quality.

Target Note Reference: SK5314 TN4Survey Date: 4th August 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5322 1462 Habitat Type(s): Pond

Key Floral Species:-

Reedmace

Floating sweet grass

*Typha latifolia**Glyceria fluitans*

Additional information: Semi-dried pond bordered by scrub.

Target Note Reference: SK5314 TN5Survey Date: 4th August 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5326 1471 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Yellow rattle

Common knapweed

Common birds-foot trefoil

*Rhinanthus minor**Centaurea nigra**Lotus corniculatus*

Additional information: Two fields designated as a Local Wildlife Site W5314/11 in October 2005 for meeting primary criteria for Mesotrophic grassland and Mixed grassland.

Target Note Reference: SK5314 TN6

Survey Date: 4th August 2010 Surveyor: Mike Poulton AIEEM
 Grid Reference: SK 5324 1475 Habitat Type(s): Semi-improved neutral grassland
 Key Floral Species:-
 False oat grass *Arrhenatherum elatius*

Additional information: Local Wildlife Site W5314/5 designated in March 2001 for meeting primary criteria for Mesotrophic grassland and is defined as a damp, herb-rich hay meadow with scattered scrub and unmanaged hedgerows. Current survey records area as uncut meadow, however access to the site was not possible, so survey was conducted through binoculars from a distance.

Target Note Reference: SK5314 TN7

Survey Date: 4th August 2010 Surveyor: Mike Poulton AIEEM
 Grid Reference: SK 5336 1469 Habitat Type(s): Neutral grassland

Key Floral Species:-
 Common birds-foot trefoil *Lotus corniculatus*
 Common knapweed *Centaurea nigra*
 Great burnet *Sanguisorba officinalis*
 Rough hawkbit *Leontodon hispidus*
 Meadow vetchling *Lathyrus pratensis*
 Yellow rattle *Rhinanthus minor*
 Red fescue *Festuca rubra* agg.
 Common cat's ear *Hypochaeris radicata*
 Hogweed *Heracleum sphondylium*
 Lesser celandine *Ranunculus ficaria*
 Ribwort plantain *Plantago lanceolata*
 Great burnet *Sanguisorba officinalis*
 Meadow vetchling *Lathyrus pratensis*

Additional information: Ridge and furrow neutral grassland. Three fields designated as Local Wildlife Site W5314/7 in 2005 for meeting the primary criteria for Mesotrophic grassland and Mixed grassland. Wood anemone (*Anemone nemorosa*) and pig nut (*Conopodium majus*) also recorded on 25th March 2011 (Steve Ralph MSc MIEEM).

Target Note Reference: SK5314 TN8

Survey Date: 29th March 2011 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 5354 1475 Habitat Type(s): Neutral grassland and broadleaved woodland

Additional information: No access to grassland. Designated as Local Wildlife Site W5314/6 in October 2005 for meeting the primary criteria for Mesotrophic grassland and Mixed grassland. Woodland borders stream valley and consists of mainly Ash. Contains dense shrub understorey and ivy-dominated ground flora.

Target Note Reference: SK5314 TN9

Survey Date: 29th March 2011 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 5318 1489 Habitat Type(s): Species-rich hedgerow with trees
 Key Floral Species:-

Holly	<i>Ilex aquifolium</i>
Hazel	<i>Corylus avellana</i>
Wild privet	<i>Ligustrum vulgare</i>
Field maple	<i>Acer campestre</i>
Pedunculate oak	<i>Quercus robur</i>
Blackthorn	<i>Prunus spinosa</i>
Hawthorn	<i>Crataegus monogyna</i>
Dog rose	<i>Rosa canina</i>
Elder	<i>Sambucus nigra</i>

Target Note Reference: SK5314 TN10

Survey Date: 29th March 2011 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 5303 1488 Habitat Type(s): Species-rich hedgerow
 Key Floral Species:-

Grey willow	<i>Salix cinerea</i>
Dog wood	<i>Cornus sanguinea</i>
Elder	<i>Sambucus nigra</i>
Blackthorn	<i>Prunus spinosa</i>
Hawthorn	<i>Crataegus monogyna</i>
Field maple	<i>Acer campestre</i>
Ash	<i>Fraxinus excelsior</i>

Holly

*Ilex aquifolium*Target Note Reference: SK5314 TN11Survey Date: 29th March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5376 1482 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Hazel	<i>Corylus avellana</i>
Holly	<i>Ilex aquifolium</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Elder	<i>Sambucus nigra</i>
Field maple	<i>Acer campestre</i>
English elm	<i>Ulmus procera</i>
Common lime	<i>Tilia cordata</i> x <i>platyphyllos</i> (<i>T. x vulgaris</i>)

Target Note Reference: SK5314 TN12Survey Date: 29th March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5375 1476 Habitat Type(s): Ground flora

Key Floral Species:-

Wood anemone	<i>Anemone nemorosa</i>
--------------	-------------------------

Additional information: Area of wood anemone on roadside bank.

Target Note Reference: SK5314 TN13Survey Date: 29th March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5362 1463 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Ash	<i>Fraxinus excelsior</i>
Hazel	<i>Corylus avellana</i>
Field maple	<i>Acer campestre</i>
Dog rose	<i>Rosa canina</i>
Hornbeam	<i>Carpinus betulus</i>
Holly	<i>Ilex aquifolium</i>
Elder	<i>Sambucus nigra</i>

Pedunculate oak
Bluebell
Lords-and-Ladies

Quercus robur
Hyacinthoides non-scripta
Arum maculatum

Target Note Reference: SK5314 TN14Survey Date: 29th March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5340 1444 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Ash	<i>Fraxinus excelsior</i>
Holly	<i>Ilex aquifolium</i>
Hazel	<i>Corylus avellana</i>
Field maple	<i>Acer campestre</i>
Dog rose	<i>Rosa canina</i>
Elder	<i>Sambucus nigra</i>

Target Note Reference: SK5314 TN15Survey Date: 29th March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5387 1416 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Ash	<i>Fraxinus excelsior</i>
Holly	<i>Ilex aquifolium</i>
Hazel	<i>Corylus avellana</i>
Field maple	<i>Acer campestre</i>
Dog rose	<i>Rosa canina</i>
Pedunculate oak	<i>Quercus robur</i>
Wood anemone	<i>Anemone nemorosa</i>
Honeysuckle	<i>Lonicera periclymenum</i>

Additional information: Wood anemone and honeysuckle in patches towards south end of hedgerow.

Target Note Reference: SK5314 TN16Survey Date: 29th March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5389 1413 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Ash	<i>Fraxinus excelsior</i>
Holly	<i>Ilex aquifolium</i>
Hazel	<i>Corylus avellana</i>
Field maple	<i>Acer campestre</i>
Dog rose	<i>Rosa canina</i>
Elder	<i>Sambucus nigra</i>
Pedunculate oak	<i>Quercus robur</i>
Wood anemone	<i>Anemone nemorosa</i>
Honeysuckle	<i>Lonicera periclymenum</i>
Bluebells	<i>Hyacinthoides non-scripta</i>
Greater stitchwort	<i>Stellaria holostea</i>
Lords-and-ladies	<i>Arum maculatum</i>
Dog's mercury	<i>Mercurialis perennis</i>

Additional information: Includes one very large oak tree, 1.2m in diameter. Dog's mercury found in patch at northern end of hedgerow.

Target Note Reference: SK5314 TN17Survey Date: 29th March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5386 1434 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Hazel	<i>Corylus avellana</i>
Holly	<i>Ilex aquifolium</i>
Ash	<i>Fraxinus excelsior</i>
Pedunculate oak	<i>Quercus robur</i>
Field maple	<i>Acer campestre</i>

Target Note Reference: SK5314 TN18Survey Date: 29th March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5377 1446 Habitat Type(s): Species-rich hedgerow containing 8 woody species

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Ash	<i>Fraxinus excelsior</i>
Field maple	<i>Acer campestre</i>
Dog rose	<i>Rosa canina</i>
Holly	<i>Ilex aquifolium</i>
Elder	<i>Sambucus nigra</i>
Pedunculate oak	<i>Quercus robur</i>
Dog's mercury	<i>Mercurialis perennis</i>

1km Grid Square SK5315

Target Note Reference: SK5315 TN1

Survey Date: 4th August 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 5332 1595 *Habitat Type(s):* Pond

Key Floral Species:-

Alder

Alnus glutinosa

Additional information: Shallow fishing ponds. No marginal vegetation.

1km Grid Square SK5316Target Note Reference: SK5316 TN1

Survey Date: 14th October 2011 Surveyor: Alison Sharkey MSc Grad IEEM

Grid Reference: SK 5341 1650 Habitat Type(s): Plantation mixed woodland

Key Tree Species:-

Ash	<i>Fraxinus excelsior</i>
Silver Birch	<i>Betula pendula</i>
an oak	<i>Quercus sp.</i>
Sweet Chestnut	<i>Castanea sativa</i>
Elder	<i>Sambucus nigra</i>
Hazel	<i>Corylus avellana</i>
a conifer (unidentified)	<i>Coniferae sp.</i>

Key Floral species:-

Blackthorn	<i>Prunus spinosa</i>
Holly	<i>Ilex aquifolium</i>
Bramble	<i>Rubus fruticosus agg.</i>

Additional information: Immature, unmanaged plantation mixed woodland.

Target Note Reference: SK5316 TN2

Survey Date: 14th October 2011 Surveyor: Alison Sharkey MSc Grad IEEM

Grid Reference: SK 5378 1619 Habitat Type(s): Broad leaved woodland

Key Tree Species:-

Hazel	<i>Corylus avellana</i>
an Oak	<i>Quercus sp.</i>
Ash	<i>Fraxinus excelsior</i>
Sycamore	<i>Acer pseudoplatanus</i>
Field Maple	<i>Acer campestre</i>
Elder	<i>Sambucus nigra</i>

Key Floral Species:-

Wood Millet	<i>Milium effusum</i>
Greater Stitchwort	<i>Stellaria holostea</i>
False-brome	<i>Brachypodium sylvaticum</i>
a Bramble	<i>Rubus drejerei</i>
Holly	<i>Ilex aquifolium</i>
Common Nettle	<i>Urtica dioica</i>

Blackthorn

Prunus spinosa

Additional information: wooded verge alongside track with evidence of coppicing for Hazel (*Corylus avellana*).

Target Note Reference: SK5316 TN3

Survey Date: 14th October 2011 Surveyor: Alison Sharkey MSc Grad IEEM

Grid Reference: SK 5309 1655 Habitat Type(s): Bare ground (Dry pond)

Key Floral Species:-

Red Clover	<i>Trifolium pratense</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>
Wild Teasel	<i>Dipsacus fullonum</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Common Ragwort	<i>Senecio jacobaea</i>
Common Nettle	<i>Urtica dioica</i>
Dandelion	<i>Taraxacum officinale agg.</i>

Additional information: Dry pond which contains numerous grassland species.

Target Note Reference: SK5316 TN4

Survey Date: 14th October 2011 Surveyor: Alison Sharkey MSc Grad IEEM

Grid Reference: SK 5354 1649 Habitat Type(s): Bare ground (Dry pond)

Key Floral Species:-

Common Nettle	<i>Urtica dioica</i>
Woody Nightshade	<i>Solanum dulcamara</i>
Ash	<i>Fraxinus excelsior</i>
an Oak	<i>Quercus sp.</i>
Hawthorn	<i>Crataegus monogyna</i>
an Iris	<i>Iris sp.</i>

Additional information: Dried up pond which may be wet during some years.

1km Grid Square SK5321**Target Note Reference: SK 5321 TN1**

Survey Date: 10th June 2010 Surveyor: Martin Burgess AIEEM

Grid reference: SK 5368 2189 (entire field) Habitat Type(s): Unimproved neutral grassland

Key floral species:-

Meadow buttercup	<i>Ranunculus acris</i>
Great Burnet	<i>Sanguisorba officinalis</i>
Yellow-rattle	<i>Rhinanthus minor</i>
Common Sorrel	<i>Rumex acetosa</i>
Lady's Bedstraw	<i>Galium verum</i>

Additional information: Included within Loughborough Meadows SSSI.

Target Note Reference: SK 5321 TN2

Survey Date: 30th November 2011 Surveyor: Steve Ralph MSc MIEEM

Grid reference: SK 5363 2151 Habitat Type(s): Dry pond

Small dry pond (depression) within hedgerow. Approximately 5m x 5m with areas of reed sweet-grass (*Glyceria maxima*). Shaded by crack willow (*Salix fragilis*).

Additional information: Included within Loughborough Meadows SSSI.

1km Grid Square SK5322

Target Note Reference: SK5322 TN1

Survey Date: 30th November 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 5340 2218

Habitat Type(s): Running water

Key Floral Species:-

Reed Sweet-grass

Glyceria maxima

Reed Canary Grass

Phalaris arundinacea

Common Club-rush

Schoenoplectus lacustris

Starwort sp.

Callitriche sp.

Floating Pennywort

Hydrocotyle ranunculoides

Additional information: Stretch of River Soar (LWS S.2.7). Included areas of floating pennywort.

1km Grid Square SK5407

Target Note Reference: SK5407 TN1

Survey Date: 11th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5475 0776 Habitat Type(s): Running water

Key Floral Species:-

Brooklime	<i>Veronica beccabunga</i>
Water cress	<i>Rorippa nasturtium-aquaticum</i> agg.
Floating sweet grass	<i>Glyceria fluitans</i>

Additional information: Running water, part of Rothley Brook LWS. 4m wide and up to 1m deep, lined with scattered scrub and broad leaved trees. Very steep banks at this location.

1km Grid Square SK5409

Target Note Reference: SK5409 TN1

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5415 0995 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Yorkshire Fog

False Oat-grass

Perennial Rye-grass

Crested Dog's-tail

Common Bent

Autumnal Hawkbit

Ribwort Plantain

Red Clover

Yarrow

Greater Burnet

Holcus lanatus

Arrhenatherum elatius

Lolium perenne

Cynosurus cristatus

Agrostis capillaris

Leontodon autumnalis

Plantago lanceolata

Trifolium pratense

Achillea millefolium

Sanguisorba officinalis

Additional information: Borderline quality, all dicotyledons patchily frequent. Part of Bradgate Park and Cropston Reservoir SSSI.

1km Grid Square SK5410Target Note Reference: SK5410 TN1

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK5450 1070 Habitat Type(s): Marginal growth

Key Floral Species:-

Goat Willow	<i>Salix Caprea</i>
Great Pond-sedge	<i>Carex riparia</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Reedmace	<i>Typha latifolia</i>

Additional information: Part of Bradgate Park and Cropston Reservoir SSSI. Scattered salix scrub with stands of marginal vegetation and some shoreline ephemeral vegetation.

Target Note Reference: SK5410 TN2

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5437 1075 Habitat Type(s): Tall swamp/scattered scrub

Key Floral Species:-

Scattered scrub

Pedunculate Oak	<i>Quercus robur</i>
Crack Willow	<i>Salix fragilis</i>
Silver Birch	<i>Betula pendula</i>
Sycamore	<i>Acer pseudoplatanus</i>

Tall swamp:

Reed Sweet-grass	<i>Glyceria maxima</i>
Sedge	<i>Carex sp.</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Reedmace	<i>Typha latifolia</i>
Gipsywort	<i>Lycopus europaeus</i>

Additional information: Single species (Reedmace) dominated tall swamp with scattered shrubs surrounds the southern end of Cropston reservoir. Part of Bradgate Park and Cropston Reservoir SSSI.

1km Grid Square SK5411Target Note Reference: SK5411 TN1Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK5437 1175 Habitat Type(s): Dense scrub

Key Floral Species:-

Blackthorn	<i>Prunus spinosa</i>	Dominant
Hawthorn	<i>Crataegus monogyna</i>	
Hazel	<i>Corylus avellana</i>	
Holly	<i>Ilex aquifolium</i>	
Goat Willow	<i>Salix caprea</i>	
With trees:		
Pedunculate Oak	<i>Quercus robur</i>	
Ash	<i>Fraxinus excelsior</i>	
Alder	<i>Alnus glutinosa</i>	
Field layer:		
Bluebell	<i>Hyacinthoides non-scripta</i>	
Red Campion	<i>Silene dioica</i>	
Common Nettle	<i>Urtica dioica</i>	
Bramble	<i>Rubus fruticosus</i>	

Additional information: Belt of dense scrub developed from former hedgerow.

Target Note Reference: SK5411 TN2Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK5470 1164 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Water Horsetail	<i>Equisetum fluviatile</i>	
Reedmace	<i>Typha latifolia</i>	
Water Mint	<i>Mentha aquatica</i>	
Broad-leaved Pondweed	<i>Potamogeton natans</i>	
Greater Spearwort	<i>Ranunculus lingua</i>	
Hawthorn	<i>Crataegus monogyna</i>	
Bramble	<i>Rubus fruticosus</i>	
Willow sp	<i>Salix sp</i>	

Additional information: Fishing ponds with good marginal swamps. Surrounded by willow/bramble/hawthorn scrub. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5411 TN3Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK5470 1165 Habitat Type(s): Neutral grassland

Key Floral Species:-

False Oat-grass	<i>Arrhenatherum elatius</i>	Dominant
Common Knapweed	<i>Centaurea nigra</i>	Abundant
Ribwort Plantain	<i>Plantago lanceolata</i>	occasional
Common Bird's-foot-trefoil	<i>Lotus corniculatus</i>	Frequent
Meadow Vetchling	<i>Lathyrus pratensis</i>	Frequent
Great Burnet	<i>Sanguisorba officinalis</i>	Rare
Creeping Thistle	<i>Cirsium arvense</i>	Frequent
Lesser Stitchwort	<i>Stellaria graminea</i>	Occasional
Tufted Hair-grass	<i>Deschampsia caespitosa</i>	Abundant
Yarrow	<i>Achillea millefolium</i>	Frequent

Additional information: Moderately high quality neutral grassland, apparently unmanaged so invaded by creeping thistle and false oat grass. Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5411 TN4Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK5470 1145 Habitat Type(s): Semi-natural mixed woodland

Key Floral Species:-

Sycamore	<i>Acer pseudoplatanus</i>	Dominant
Ash	<i>Fraxinus excelsior</i>	Dominant
Larch	<i>Larix decidua</i>	
Ground flora		
Red Campion	<i>Silene dioica</i>	
Bluebell	<i>Hyacinthoides non-scripta</i>	
Ivy	<i>Hedera helix</i>	
False-brome	<i>Brachypodium sylvaticum</i>	
Herb-robert	<i>Geranium robertianum</i>	
Lords-and-ladies	<i>Arum maculatum</i>	

Herb Bennet
Japanese Knotweed

Geum urbanum
Fallopia japonica

Additional information: Mixed woodland predominantly young sycamore and ash (canopy and shrub layer). LWS site CBC W 5411/1 Puddledyke Wood.

Target Note Reference: SK5411 TN5

Survey Date: 2nd June 2010 *Surveyor:* John Moore PhD MIEEM

Grid Reference: SK 5430 1110 *Habitat Type(s):* Acid grassland

Key Floral Species:-

Common Bent	<i>Agrostis capillaris</i>
Heath Bedstraw	<i>Galium saxatile</i>
Mat-grass	<i>Nardus stricta</i>
Red Fescue	<i>Festuca rubra</i>
Tormentil	<i>Potentilla erecta</i>
White Clover	<i>Trifolium repens</i>

Additional information: East of the road has been grassland for some time, west of the road recently created through rolling denser bracken (See SK5211TN10). Part of Bradgate Park and Cropston Reservoir SSSI.

Target Note Reference: SK5411 TN6

Survey Date: 2nd June 2010 *Surveyor:* John Moore PhD MIEEM

Grid Reference: SK 5425 1170 *Habitat Type(s):* Semi-natural broadleaved woodland

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Alder	<i>Alnus glutinosa</i>
Beech	<i>Fagus sylvatica</i>
Cherry Laurel	<i>Prunus laurocerasus</i>

Additional information: Broadleaf canopy dominated by ash and alder towards the west, much beech to the east, with abundant cherry laural in shrub layer to east.

Target Note Reference: SK5411 TN7

Survey Date: 2nd June 2010 *Surveyor:* John Moore PhD MIEEM

Grid Reference: SK 5420 1195 *Habitat Type(s):* Semi-natural broadleaved woodland

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>	
Ash	<i>Fraxinus excelsior</i>	
Sycamore	<i>Acer pseudoplatanus</i>	
Silver Birch	<i>Betula pendula</i>	
Rowan	<i>Sorbus aucuparia</i>	
Large-leaved Lime	<i>Tilia platyphyllos</i>	
Hazel	<i>Corylus avellana</i>	
Holly	<i>Ilex aquifolium</i>	
<i>Field layer:</i>		
Bluebell	<i>Hyacinthoides non-scripta</i>	
Bramble	<i>Rubus fruticosus</i> agg.	
Wood Millet	<i>Milium effusum</i>	
Wood Anemone	<i>Anemone nemorosa</i>	
Honeysuckle	<i>Lonicera perichlymenum</i>	
Common Figwort	<i>Scrophularia nodosa</i>	
Enchanter's-nightshade	<i>Circaea lutetiana</i>	
Pendulus Sedge	<i>Carex pendula</i>	
Bracken	<i>Pteridium aquilinum</i>	
Bugle	<i>Ajuga reptans</i>	
Yellow Pimpernel	<i>Lysimachia nemorum</i>	
Great Wood-rush	<i>Luzula sylvatica</i>	
Wood-sorrel	<i>Oxalis acetosella</i>	
<i>Around stream:</i>		
Alder	<i>Alnus glutinosa</i>	Occasional
Brooklime	<i>Veronica beccabunga</i>	
Water Mint	<i>Mentha aquatica</i>	
Common Valerian	<i>Valeriana officinalis</i>	
Marsh Marigold	<i>Caltha palustris</i>	

Additional information: Large broadleaved woodland SSSI. Some large stools of Lime. A fine, well-structured oak/ash woodland with alder in damper areas. Heavy public access. Part of Swithland Wood and the Brand SSSI.

Target Note Reference: SK5411 TN8

Survey Date: 1st November 2010 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5497 1182 Habitat Type(s): Hedgerow

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Hazel	<i>Corylus avellana</i>
English Elm	<i>Ulmus procera</i>
Goat Willow	<i>Salix caprea</i>
Blackthorn	<i>Prunus spinosa</i>
Dog Rose	<i>Rosa canina</i>
Black Bryony	<i>Tamus communis</i>

Additional information: Hedgerows along the eastern side of this arable field are borderline species-rich and good quality. A narrow zone of semi improved grassland and scattered scrub and ruderal vegetation borders the field.

Target Note Reference: SK5411 TN9

Survey Date: 1st November 2010 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5495 1198 Habitat Type(s): Species-rich hedgerows

Key Floral Species:-

Eastern side of road (Species-rich hedgerow):

Hawthorn	<i>Crataegus monogyna</i>
Hazel	<i>Corylus avellana</i>
Elder	<i>Sambucus nigra</i>
Pedunculate Oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Blackthorn	<i>Prunus spinosa</i>
Holly	<i>Ilex aquifolium</i>
Black Bryony	<i>Tamus communis</i>
Raspberry	<i>Rubus idaeus</i>

Western side of road (Species-rich hedgerow with trees):

White Willow	<i>Salix alba</i> (All the trees are mature <i>S. alba</i>)
Hawthorn	<i>Crataegus monogyna</i>
English Elm	<i>Ulmus procera</i>
Pedunculate Oak	<i>Quercus robur</i>
Blackthorn	<i>Prunus spinosa</i>
Dog Rose	<i>Rosa canina</i>

Wild Privet
Black Bryony*Ligustrum vulgare*
Tamus communis

Additional information: Species-rich hedgerows either side of Swithland Road.

Target Note Reference: SK5411 TN10Survey Date: 1st November 2010 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5454 1143 Habitat Type(s): Species-rich hedgerows

Key Floral Species:-

Northern side of road:

Hazel	<i>Corylus avellana</i>	Dominant
Hawthorn	<i>Crataegus monogyna</i>	
Pedunculate Oak	<i>Quercus robur</i>	
Blackthorn	<i>Prunus spinosa</i>	
Holly	<i>Ilex aquifolium</i>	
Elder	<i>Sambucus nigra</i>	
Field Maple	<i>Acer campestre</i>	

Southern side of road:

Hawthorn	<i>Crataegus monogyna</i>	Dominant
Hazel	<i>Corylus avellana</i>	
Holly	<i>Ilex aquifolium</i>	
Field Maple	<i>Acer campestre</i>	
English Elm	<i>Ulmus procera</i>	
Pedunculate Oak	<i>Quercus robur</i>	
Ash	<i>Fraxinus excelsior</i>	
Spindle	<i>Euonymus europaeus</i>	
Red Currant	<i>Ribes rubrum</i>	

Additional information: Species-rich hedgerows either side of Roecliffe Road. The hedgerow on the southern side of the road appears to be recently planted. The Northern hedgerow is of lower species diversity, but is more mature.

Target Note Reference: SK5411 TN11Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5480 1198 Habitat Type(s): Broadleaved Trees

Key Floral Species:-

Alder *Alnus glutinosa*

White Willow	<i>Salix alba</i>
Common Nettle	<i>Urtica dioica</i>
Bramble	<i>Rubus fruticosus</i>

Additional information: Belt of dense alder regeneration and mature alder and white willow trees along stream. Ground layer of bramble and common nettles. The edges of the field to the north have been recently planted with broadleaved saplings.

Target Note Reference: SK5411 TN12

Survey Date: 1st November 2010 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 5436 1152 *Habitat Type(s):* Species-rich hedgerow

Key Floral Species:-

Hazel	<i>Corylus avellana</i>
Hawthorn	<i>Crataegus monogyna</i>
Pedunculate Oak	<i>Quercus robur</i>
Blackthorn	<i>Prunus spinosa</i>
Holly	<i>Ilex aquifolium</i>
Hazel	<i>Corylus avellana</i>

Additional information: Hedgerow adjacent to a private track off Roecliffe road. No access, but the above species were observed from the road. It is considered very likely additional species are present and therefore the hedgerow has been mapped as species rich.

1km Grid Square SK5412**Target Note Reference: SK5412 TN1**

Survey Date: 3rd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5414 1284 Habitat Type(s): Dense bracken with scattered broadleaved trees

Key Floral Species:-

Bracken	<i>Pteridium aquilinum</i>
Bluebell	<i>Hyacinthoides non-scripta</i>
Pedunculate Oak	<i>Quercus robur</i>
Large-leaved Lime	<i>Tilia platyphyllos</i>
Poplar	<i>Populus sp.</i>

Additional information: Part of Swithland Wood and the Brand SSSI.

Target Note Reference: SK5412 TN2

Survey Date: 3rd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5420 1270 Habitat Type(s): Broadleaved woodland

Key Floral Species:-

Poplar	<i>Populus sp.</i>
Silver Birch	<i>Betula pendula</i>

Additional information: Part planted birch/poplar woodland with natural shrub and field layer. Part of Swithland Wood and the Brand SSSI.

Target Note Reference: SK5412 TN3

Survey Date: June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5420 1240 Habitat Type(s): Broadleaved woodland

Key Floral Species:-

Pedunculate oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Alder	<i>Alnus glutinosa</i>
Hazel	<i>Corylus avellana</i>
Lime	<i>Tilia sp.</i>
Poplar	<i>Populus sp.</i>
Silver birch	<i>Betula pendula</i>

Field layer:

Tufted hair grass
Bramble
Honeysuckle
Enchanter's nightshade
Pendulous sedge
Bugle
Ramsons
Herb robert
Wood sorrel

Deschampsia caespitosa
Rubus fruticosus agg.
Lonicera perichlymenum
Circaea lutetiana
Carex pendula
Ajuga reptans
Allium ursinum
Geranium robertianum
Oxalis acetosella

Additional information: Part of Swithland Wood and the Brand SSSI. Damp area dominated by ash, birch and alder over dense hazel.

Target Note Reference: SK5412 TN4

Survey Date: 1st March 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5484 1294 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Pedunculate oak	<i>Quercus robur</i>
Elder	<i>Sambucus nigra</i>
Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Holly	<i>Ilex aquifolium</i>
Field maple	<i>Acer campestre</i>
Hazel	<i>Corylus avellana</i>
Silver birch	<i>Betula pendula</i>
Goat willow	<i>Salix Caprea</i>
English Elm	<i>Ulmus procera</i> (In southernmost third)

Target Note Reference: SK5412 TN5

Survey Date: 1st March 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5480 1285 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>

Honeysuckle *Lonicera perichlymenum*
 Dog rose *Rosa canina*
 Alder *Alnus glutinosa*
 Hazel *Corylus avellana*
 Holly *Ilex aquifolium*

Target Note Reference: SK5412 TN6

Survey Date: 1st March 2011 *Surveyor:* Zoe Jackson MSc Grad IEEM
Grid Reference: SK 5477 1270 *Habitat Type(s):* Species-rich hedgerow
Key Floral Species:-
 Pedunculate Oak *Quercus robur*
 Elder *Sambucus nigra*
 Ash *Fraxinus excelsior*
 Hawthorn *Crataegus monogyna*
 Blackthorn *Prunus spinosa*
 Holly *Ilex aquifolium*
 Dog rose *Rosa canina*
 Hazel *Corylus avellana*

Target Note Reference: SK5412 TN7

Survey Date: 1st March 2011 *Surveyor:* Zoe Jackson MSc Grad IEEM
Grid Reference: SK 5474 1235 *Habitat Type(s):* Species-poor hedgerow
Key Floral Species:-
 Pedunculate Oak *Quercus robur*
 Ash *Fraxinus excelsior*
 Hawthorn *Crataegus monogyna*
 Blackthorn *Prunus spinosa*
 Field Maple *Acer campestre*
 Dog rose *Rosa canina*
 Hazel *Corylus avellana*
With:
 Dog's Mercury *Mercurialis perennis*

Additional information: Relatively diverse hedgerow, but unlikely to meet species rich criteria.

Target Note Reference: SK5412 TN8

Survey Date: 1st March 2011 *Surveyor:* Zoe Jackson MSc Grad IEEM
Grid Reference: SK 5477 1244 *Habitat Type(s):* Species-rich hedgerow
Key Floral Species:-
 Pedunculate Oak *Quercus robur*
 Ash *Fraxinus excelsior*
 Hawthorn *Crataegus monogyna*
 Blackthorn *Prunus spinosa*
 Holly *Ilex aquifolium*
 Field Maple *Acer campestre*
 Dog rose *Rosa canina*
 Goat willow *Salix Caprea*
 Dogwood *Cornus sanguinea*

Target Note Reference: SK5412 TN9

Survey Date: 1st March 2011 *Surveyor:* Zoe Jackson MSc Grad IEEM
Grid Reference: SK 5491 1232 *Habitat Type(s):* Species-rich hedgerow
Key Floral Species:-
 Pedunculate Oak *Quercus robur*
 Elder *Sambucus nigra*
 Hawthorn *Crataegus monogyna*
 Holly *Ilex aquifolium*
 Dog rose *Rosa canina*
 Hazel *Corylus avellana*
 Silver Birch *Betula pendula*
 Goat willow *Salix Caprea*

Target Note Reference: SK5412 TN10

Survey Date: 1st March 2011 *Surveyor:* Zoe Jackson MSc Grad IEEM
Grid Reference: SK 5435 1216 *Habitat Type(s):* Species-rich hedgerow with trees
Key Floral Species:-
 Pedunculate Oak *Quercus robur*
 Elder *Sambucus nigra*
 Ash *Fraxinus excelsior*
 Hawthorn *Crataegus monogyna*
 Blackthorn *Prunus spinosa*
 Holly *Ilex aquifolium*

1km Grid Square SK5413Target Note Reference: SK5413 TN1

Survey Date: 3rd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5439 1391 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Crack Willow	<i>Salix fragilis</i>
Blackthorn	<i>Prunus spinosa</i>
Common Nettle	<i>Urtica dioica</i>
Ivy	<i>Hedera helix</i>
Bramble	<i>Rubus fruticosus</i> agg.

Additional information: Dense scrubby woodland.

Target Note Reference: SK5413 TN2

Survey Date: 1st March 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5491 1371 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Field Maple	<i>Acer campestre</i>
Elder	<i>Sambucus nigra</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Holly	<i>Ilex aquifolium</i>
Sycamore	<i>Acer pseudoplatanus</i>
Dog rose	<i>Rosa canina</i>
Honeysuckle	<i>Lonicera periclymenum</i>

Target Note Reference: SK5413 TN3

Survey Date: 1st March 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5481 1342 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Field Maple	<i>Acer campestre</i>

Hazel
Sycamore
Wild Cherry
Beech
Honeysuckle

Corylus avellana
Acer pseudoplatanus
Prunus avium
Fagus sylvatica
Lonicera periclymenum

Target Note Reference: SK5413 TN4

Survey Date: 1st March 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 54691329 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Elder	<i>Sambucus nigra</i>
Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Holly	<i>Ilex aquifolium</i>
Field Maple	<i>Acer campestre</i>
Honeysuckle	<i>Lonicera periclymenum</i>

Target Note Reference: SK5413 TN5

Survey Date: 1st March 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5487 1331 Habitat Type(s): Species-rich hedgerow and plantation broadleaved woodland

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Elder	<i>Sambucus nigra</i>
Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Holly	<i>Ilex aquifolium</i>
Sycamore	<i>Acer pseudoplatanus</i>
Hazel	<i>Corylus avellana</i>
Plantation woodland:	
Pedunculate Oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Holly	<i>Ilex aquifolium</i>

Field Maple	<i>Acer campestre</i>
Hazel	<i>Corylus avellana</i>
Wild Cherry	<i>Prunus avium</i>

Additional information: Species-rich hedgerow, and additional small area of plantation broadleaved woodland.

Target Note Reference: SK5413 TN6

Survey Date: 1st March 2011 *Surveyor:* Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5498 1338 *Habitat Type(s):* Species-rich hedgerow

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Elder	<i>Sambucus nigra</i>
Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Holly	<i>Ilex aquifolium</i>
Field Maple	<i>Acer campestre</i>

1km Grid Square SK5414Target Note Reference: SK5414 TN1Survey Date: 3rd August 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 5426 1491 Habitat Type(s): Pond

Additional information: Overspill pond surrounded by dense scrub.

Target Note Reference: SK5414 TN2Survey Date: 2nd November 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5456 1419 Habitat Type(s): Species-rich hedgerow with trees

Key floral species:-

Field Maple	<i>Acer campestre</i>
Hawthorn	<i>Crataegus monogyna</i>
Pedunculate Oak	<i>Quercus robur</i>
Bramble	<i>Rubus fruticosus</i> agg.
Hazel	<i>Corylus avellana</i>
Elder	<i>Sambucus nigra</i>
Ash	<i>Fraxinus excelsior</i>
Holly	<i>Ilex aquifolium</i>

Additional information: Hedgerow to the south of Rushey Lane.

Target Note Reference: SK5414 TN3Survey Date: 2nd November 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5462 1420 Habitat Type(s): Species-rich hedgerow

Key floral species:-

Holly	<i>Ilex aquifolium</i>
Pedunculate Oak	<i>Quercus robur</i>
Hawthorn	<i>Crataegus monogyna</i>
Hazel	<i>Corylus avellana</i>
Alder	<i>Alnus glutinosa</i>
Dog Rose	<i>Rosa canina</i> agg.
English Elm	<i>Ulmus procera</i>
Bramble	<i>Rubus fruticosus</i> agg.
Blackthorn	<i>Prunus spinosa</i>
Field Maple	<i>Acer campestre</i>

Additional information: Hedgerow to the north of Rushey Lane.

Target Note Reference: SK5414 TN4Survey Date: 2nd November 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5438 1412 Habitat Type(s): Species-rich hedgerow

Key floral species:-

Ash	<i>Fraxinus excelsior</i>
Blackthorn	<i>Prunus spinosa</i>
Field Maple	<i>Acer campestre</i>
Holly	<i>Ilex aquifolium</i>
Pedunculate Oak	<i>Quercus robur</i>
Elder	<i>Sambucus nigra</i>
Dog Rose	<i>Rosa canina</i> agg.
Hawthorn	<i>Crataegus monogyna</i>
Hazel	<i>Corylus avellana</i>

Additional information: Hedgerow to the south of Rushey Lane.

Target Note Reference: SK5414 TN5Survey Date: 2nd November 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5434 1412 Habitat Type(s): Species-rich hedgerow

Key floral species:-

English Elm	<i>Ulmus procera</i>
Holly	<i>Ilex aquifolium</i>
Field Maple	<i>Acer campestre</i>
Hazel	<i>Corylus avellana</i>
Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Dog Rose	<i>Rosa canina</i> agg.
Pedunculate Oak	<i>Quercus robur</i>
Bramble	<i>Rubus fruticosus</i> agg.
Elder	<i>Sambucus nigra</i>

Additional information: Hedgerow to the north of Rushey Lane.

Target Note Reference: SK5414 TN6

Survey Date: 2nd November 2011 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 5410 1408 Habitat Type(s): Species-rich hedgerow with trees

Key floral species:-

English Elm	<i>Ulmus procera</i>
Elder	<i>Sambucus nigra</i>
Pedunculate Oak	<i>Quercus robur</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Holly	<i>Ilex aquifolium</i>
Field Maple	<i>Acer campestre</i>
Hazel	<i>Corylus avellana</i>
Ash	<i>Fraxinus excelsior</i>
Dog Rose	<i>Rosa canina</i> agg.

Additional information: Hedgerow to the north of Rushey Lane.

Target Note Reference: SK5414 TN7

Survey Date: 2nd November 2011 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 5414 1407 Habitat Type(s): Species-rich hedgerow with trees

Key floral species:-

Hawthorn	<i>Crataegus monogyna</i>
Field Maple	<i>Acer campestre</i>
Blackthorn	<i>Prunus spinosa</i>
Pedunculate Oak	<i>Quercus robur</i>
Holly	<i>Ilex aquifolium</i>
Hazel	<i>Corylus avellana</i>
Dog Rose	<i>Rosa canina</i> agg.

Additional information: Hedgerow to the south of Rushey Lane.

Target Note Reference: SK5414 TN8

Survey Date: 2nd November 2011 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 5400 1403 Habitat Type(s): Species-rich hedgerow with trees

Key floral species:-

Field Maple	<i>Acer campestre</i>
Blackthorn	<i>Prunus spinosa</i>
Hawthorn	<i>Crataegus monogyna</i>
Hazel	<i>Corylus avellana</i>
Holly	<i>Ilex aquifolium</i>
Honeysuckle	<i>Lonicera perichlymenum</i>
Bramble	<i>Rubus fruticosus</i> agg.
Dog Rose	<i>Rosa canina</i> agg.
Pedunculate Oak	<i>Quercus robur</i>

1km Grid Square SK5415**Target Note Reference: SK5415 TN1**

Survey Date: 3rd August 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid Reference: SK 5450 1528 *Habitat Type(s):* Pond

Additional information: Small pond more or less surrounded by scrub, very little marginal vegetation and pond looks quite shallow with leaf sediment build up. Mature oak tree at western end.

Target Note Reference: SK5415 TN2

Survey Date: 3rd August 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid Reference: SK 5477 1538 *Habitat Type(s):* Pond

Key Floral Species:-

Reed Sweet-grass	<i>Glyceria maxima</i>
Yellow Iris	<i>Iris pseudacorus</i>
Broad-leaved Pondweed	<i>Potamogeton natans</i>

Additional information: Just inside garden boundary (no access). Open pond surrounded by emergent vegetation.

Target Note Reference: SK5415 TN3

Survey Date: 3rd August 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid Reference: SK 5489 1558 *Habitat Type(s):* Pond

Additional information: Tiny pond surrounded by dense scrub.

Target Note Reference: SK5415 TN4

Survey Date: 3rd August 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid Reference: SK 5424 1520 *Habitat Type(s):* Pond

Additional information: Tiny scrub surrounded pond – no marginal or aquatic vegetation.

Target Note Reference: SK5415 TN5

Survey Date: 2nd November 2011 *Surveyor:* Steve Ralph MSc MIEEM
Grid Reference: SK 5456 1534 *Habitat Type(s):* Species-rich hedgerow with trees

Key floral species:-

Blackthorn	<i>Prunus spinosa</i>
Hawthorn	<i>Crataegus monogyna</i>
Alder	<i>Alnus glutinosa</i>
English Elm	<i>Ulmus procera</i>
Field Maple	<i>Acer campestre</i>
Hazel	<i>Corylus avellana</i>
Pedunculate Oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Dog Rose	<i>Rosa canina</i> agg.

Target Note Reference: SK5415 TN6

Survey Date: 2nd November 2011 *Surveyor:* Steve Ralph MSc MIEEM
Grid Reference: SK 5434 1525 *Habitat Type(s):* Species-rich hedgerow with trees

Key floral species:-

Holly	<i>Ilex aquifolium</i>
Blackthorn	<i>Prunus spinosa</i>
Hawthorn	<i>Crataegus monogyna</i>
English Elm	<i>Ulmus procera</i>
Field Maple	<i>Acer campestre</i>
Hazel	<i>Corylus avellana</i>
Pedunculate Oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>

1km Grid Square SK5416

Target Note Reference: SK5416 TN1

Survey Date: 3rd March 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 5452 1632 *Habitat Type(s):* Pond

Key Floral Species:-

Crack willow

Salix fragilis

Additional information: Pond 4x5m. No aquatic or marginal vegetation. Limited scrub and tree surrounding on banks. Appears polluted.

1km Grid Square SK5419

Target Note Reference: SK5419 TN1

Survey Date: 21 July 2010 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5460 1964 Habitat Type(s): Running water

Key Floral Species:-

Reed Sweet-grass

Glyceria maxima

Crack Willow

Salix Fragilis

Common Nettle

Urtica dioica

Additional information: 4m wide stream, fast flowing. Banks scrubby and with tall ruderal.

1km Grid Square SK5420

Target Note Reference: SK5420TN1

Survey Date: 16th June 2010 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK5469 2032 *Habitat Type(s):* Semi improved neutral grassland

Key Floral Species:-

False Oat-grass *Arrhenatherum elatius*

Cock's Foot *Dactylis glomerata*

Yorkshire Fog *Holcus lanatus*

Greater Burnet *Sanguisorba officinalis*

Additional information: Grasses dominant, greater burnet is abundant throughout.

1km Grid Square SK5421**Target Note Reference: SK5421 TN1**

Survey Date: 16th June 2010 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 5412 2134 *Habitat Type(s):* Semi-improved neutral grassland

Additional information: This strip running across Loughborough Meadows SSSI is of lower quality. The area was predominantly of grass species with very few forbs noted.

Target Note Reference: SK5421 TN2

Survey Date: 16th June 2010 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 5438 2175 *Habitat Type(s):* Running water

Key Floral Species:-

Elder	<i>Sambucus nigra</i>
Alder	<i>Alnus glutinosa</i>
Ash	<i>Fraxinus excelsior</i>
Crack Willow	<i>Salix fragilis</i>
Garlic Mustard	<i>Alliaria petiolata</i>
Wood Avens	<i>Geum urbanum</i>
Nettle	<i>Urtica dioica</i>
Hogweed	<i>Heracleum sphondylium</i>
Ivy	<i>Hedera helix</i>
Cleavers	<i>Galium aparine</i>

Additional information: Slow flowing stream, no aquatic vegetation but extensive growth on banks.

Target Note Reference: SK5421 TN3

Survey Date: 16th June 2010 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 5432 2163 *Habitat Type(s):* Running water

Key Floral Species:-

Elder	<i>Sambucus nigra</i>
Crack Willow	<i>Salix fragilis</i>
Hawthorn	<i>Crataegus monogyna</i>
Duckweed	<i>Lemna sp.</i>
Common Club Rush	<i>Schoenoplectus lacustris.</i>

Additional information: River Soar (LWS 2.7).

Target Note Reference: SK5421 TN4

Survey Date: 16th June 2010 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 5442 2154 *Habitat Type(s):* Running water

Key Floral Species:-

Common Club Rush	<i>Schoenoplectus lacustris</i>
Reed Sweet Grass	<i>Glyceria maxima</i>
Common Nettle	<i>Urtica dioica</i>

Additional information: River Soar, 20m wide, clear water. Dominated by common club rush, banks covered in tall ruderal which mostly comprise nettles.

Faunal Species:

Banded Damselflies	<i>Calopteryx splendens</i>
--------------------	-----------------------------

Target Note Reference: SK5421 TN5

Survey Date: 16th June 2010 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK54052141 Habitat Type(s): Unimproved neutral grassland

Key Floral Species:-

Greater Burnet	<i>Sanguisorba officinalis</i>
Meadow Vetchling	<i>Lathyrus pratensis</i>
Greater Bird's Foot Trefoil	<i>Lotus pedunculatus</i>
Common Bird's Foot Trefoil	<i>Lotus corniculatus</i>
Lesser Stitchwort	<i>Stellaria graminea</i>
Lady's Bedstraw	<i>Galium verum</i>
Goats Beard	<i>Tragopogon pratensis</i>
Hogweed	<i>Heracleum sphondylium</i>
Common Sorrel	<i>Rumex acetosa</i>
Black Knapweed	<i>Centaurea nigra</i>
Red Clover	<i>Trifolium pratense</i>
Meadow Buttercup	<i>Ranunculus acris</i>
Oxeye Daisy	<i>Leucanthemum vulgare</i>
Hairy Tare	<i>Vicia hirsuta</i>
Spring Sedge	<i>Carex caryophylla</i>
Reed Canary-grass	<i>Phalaris arundinacea</i> -(damp area)
Yellow Rattle	<i>Rhinanthus minor</i>
Yorkshire Fog	<i>Holcus lanatus</i>
Crested Dogs Tail	<i>Cynosurus cristatus</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
Meadow Foxtail	<i>Alopecurus pratensis</i>
Yellow Oat-grass	<i>Trisetum flavescens</i>

Additional information: Loughborough Meadows SSSI. Species rich neutral grassland with some wetter areas.

1km Grid Square SK5508Target Note Reference: SK5508 TN1

Survey Date: 5th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM
 Grid Reference: SK 5551 0878 Habitat Type(s): Running water

Aquatic and marginal vegetation:-

Common Reed	<i>Phragmites australis</i>
Common Duckweed	<i>Lemna minor</i>
Water cress	<i>Rorippa nasturtium-aquaticum</i> agg.
Brooklime	<i>Veronica beccabunga</i>
Common Club-rush	<i>Schoenoplectus lacustris</i>
<u>Bank side vegetation:-</u>	
Crack Willow	<i>Salix fragilis</i>
Blackthorn	<i>Prunus spinosa</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information: Part of Rothley Brook LWS, up to 5m wide and 7.5m deep, fast flowing. Rocky substrate in some places, steep banks and lined with trees and scattered scrub at King William bridge.

Target Note Reference: SK5508 TN2

Survey Date: 5th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM
 Grid Reference: SK 5550 0854 Habitat Type(s): Semi-improved neutral grassland

Key floral species:-

Jointed Rush	<i>Juncus articulatus</i>
Meadow Vetchling	<i>Lathyrus pratensis</i>
Black Medick	<i>Medicago lupulina</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Timothy	<i>Phleum pratense</i> sens.lat.
Creeping Bent	<i>Agrostis stolonifera</i>
Cock's-foot	<i>Dactylis glomerata</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Dandelion	<i>Taraxacum officinale</i> agg.
White Clover	<i>Trifolium repens</i>
Red Clover	<i>Trifolium pratense</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>
Creeping Thistle	<i>Cirsium arvense</i>

Red Fescue
 Perennial Rye-grass
 False Oat-grass
 Common Vetch

Festuca rubra agg.
Lolium perenne
Arrhenatherum elatius
Vicia sativa

Target Note Reference: SK5508 TN3

Survey Date: 24th November 2011 Surveyor: Alison Sharkey MSc Grad IEEM
 Grid Reference: SK 5528 0833 Habitat Type(s): Dry pond

Key Species:-

Reed-mace	<i>Typha latifolia</i>
Common nettle	<i>Urtica dioica</i>
Meadowsweet	<i>Filipendula ulmaria</i>
False-oat grass	<i>Arrhenatherum elatius</i>
Yarrow	<i>Achillea millefolium</i>
Sow thistle	<i>Sonchus</i> sp.
Red clover	<i>Trifolium pratense</i>
Creeping buttercup	<i>Ranunculus repens</i>
Creeping thistle	<i>Cirsium arvense</i>
Broadleaved willowherb	<i>Epilobium montanum</i>
Yorkshire fog	<i>Holcus lanatus</i>
Alder (sapling)	<i>Alnus glutinosa</i>
Pedunculate oak (sapling)	<i>Quercus robur</i>

Additional information: Dry soak-away pond.

Target Note Reference: SK5508 TN4

Survey Date: 24th November 2011 Surveyor: Alison Sharkey MSc Grad IEEM
 Grid Reference: SK 5546 0818 Habitat Type(s): Dry pond

Key Species:-

Reed-mace	<i>Typha latifolia</i>
Great willowherb	<i>Epilobium hirsutum</i>
Wild teasel	<i>Dipsacus fullonum</i>

Additional information: Dry soak-away pond.

1km Grid Square SK5509Target Note Reference: SK5509 TN1

Survey Date: 3rd August 2010 (resurvey 3rd June 2011)

Surveyor: John Moore PhD MIEEM (resurvey by Nick Sanderson MSc MIEEM)

Grid Reference: SK 5510 0972 Habitat Type(s): Semi-improved neutral grassland with scattered scrub and trees

Key Floral Species:-

False oat grass	<i>Arrhenatherum elatius</i>
Common bent	<i>Agrostis capillaris</i>
Cock's foot	<i>Dactylis glomerata</i>
Common sorrel	<i>Rumex acetosa</i>
Creeping cinquefoil	<i>Potentilla reptans</i>
Hogweed	<i>Heracleum sphondylium</i>
Cleavers	<i>Galium aparine</i>
Ground elder	<i>Aegopodium podagraria</i>
Yorkshire fog	<i>Holcus lanatus</i>
Meadow foxtail	<i>Alopecurus pratensis</i>
Cow parsley	<i>Anthriscus sylvestris</i>
Creeping buttercup	<i>Ranunculus repens</i>
Spear thistle	<i>Cirsium vulgare</i>
White clover	<i>Trifolium repens</i>
Ribwort plantain	<i>Plantago lanceolata</i>
Red campion	<i>Silene dioica</i>
Bramble	<i>Rubus fruticosus agg.</i>
Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Pedunculate oak	<i>Quercus robur</i>
Wild plum	<i>Prunus domestica</i>

Additional information: Grassland with scattered thickets of hawthorn scrub and bramble and young ash and oak trees. Bordered by hedgerows.

Target Note Reference: SK 5509 TN2

Survey Date: 3rd August 2010. Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5498 0957 Habitat Type(s): Amenity grassland

Key Floral Species:-

Red clover	<i>Trifolium pratense</i>	Abundant
Self heal	<i>Prunella vulgaris</i>	Abundant
Common bird's foot trefoil	<i>Lotus corniculatus</i>	Abundant
Ribwort plantain	<i>Plantago lanceolata</i>	Abundant
Common cat's ear	<i>Hypochaeris radicata</i>	Frequent
Autumnal hawkbit	<i>Leontodon autumnalis</i>	Abundant

Additional information: Short mown field, part of which is sports field.

Species likely to originate from adjacent semi-improved neutral grassland (SK 5509 TN1).

Target Note Reference: SK 5509 TN3

Survey Date: 3rd June 2011 Surveyor: Nick Sanderson MSc MIEEM

Grid Reference: SK 5541 0985 Habitat Type(s): Species-rich hedgerows

Key Floral Species:-

North of road:

Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Grey poplar	<i>Corylus avellana</i>
Blackthorn	<i>Prunus spinosa</i>
Field Maple	<i>Acer campestre</i>
Wych Elm	<i>Ulmus glabra</i>
Goat Willow	<i>Salix caprea</i>
Elder	<i>Sambucus nigra</i>

Additional information: Well maintained hedgerow, trimmed into a 2x2m wedge shape.

No access to whole length but accessible section surveyed, and remainder visible clearly in binoculars.

Target Note Reference: SK5509 TN4

Survey Date: 3rd June 2011 Surveyor: Nick Sanderson MSc MIEEM

Grid Reference: SK 5515 0979 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Holly	<i>Ilex aquifolium</i>
-------	------------------------

Elder	<i>Sambucus nigra</i>
Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Grey poplar	<i>Populus canescens</i>
Blackthorn	<i>Prunus spinosa</i>
Wych Elm	<i>Ulmus glabra</i>
Hazel	<i>Corylus avellana</i>

Additional information: Species-rich hedgerow with many mature trees. Dry ditch alongside.

Target Note Reference: SK5509 TN5

Survey Date: 3rd June 2011 *Surveyor:* Nick Sanderson MSc MIEEM

Grid Reference: SK 5495 0950 *Habitat Type(s):* Species-rich hedgerow

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Dogwood	<i>Cornus sanguinea</i>
Guelder rose	<i>Viburnum opulus</i>
Apple	<i>Malus sp.</i>
Crab apple	<i>Malus sylvestris ssp sylvestris</i>
Hazel	<i>Corylus avellana</i>
Wych elm	<i>Ulmus glabra</i>
Dog rose	<i>Rosa canina</i>
Ash	<i>Fraxinus excelsior</i>

Additional information: Relatively unmanaged species-rich hedgerow, 3-4m tall. Hedgerow continues around corner.

1km Grid Square SK5511**Target Note Reference: SK5511 TN1**

Survey Date: 3rd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5535 1190 Habitat Type(s): Broadleaved plantation

Key Floral Species:-

Silver Birch	<i>Betula pendula</i>
Sweet Chestnut	<i>Castanea sativa</i>
Hawthorn	<i>Crataegus monogyna</i>
Dogwood	<i>Cornus sanguinea</i>
Goat Willow	<i>Salix caprea</i>

Additional information: Recent planting.

Target Note Reference: SK5511 TN2

Survey Date: 3rd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5592 1191 Habitat Type(s): Scattered broadleaved trees

Key Floral Species:-

Alder	<i>Alnus glutinosa</i>
Crack willow	<i>Salix fragilis</i>
Ash	<i>Fraxinus excelsior</i>
With field layer of:	
Common nettle	<i>Urtica dioica</i> Dominant
Garlic mustard	<i>Alliaria petiolata</i>
Ground-ivy	<i>Glechoma hederacea</i>
Bramble	<i>Rubus fruticosus</i>
Red campion	<i>Silene dioica</i>

Additional information: Wide line of broadleaved trees along brook.

Target Note Reference: SK5511 TN3

Survey Date: 3rd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5596 1198 Habitat Type(s): Marshy grassland

Key Floral Species:-

False oat grass	<i>Arrhenatherum elatius</i>
Meadow sweet	<i>Filipendula ulmaria</i>
Common knapweed	<i>Centaurea nigra</i>

Additional information: No access, but listed species identified using binoculars. Local Wildlife Site W5612/1.

Target Note Reference: SK5511 TN4

Survey Date: 3rd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5593 1187 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Ivy-leaved duckweed	<i>Lemna trisulca</i>	Abundant
Broad-leaved pondweed	<i>Potamogeton natans</i>	Abundant
Common spike-rush	<i>Eleocharis palustris</i>	Frequent
With:		
Alder	<i>Alnus glutinosa</i>	
Crack willow	<i>Salix fragilis</i>	

Additional information: Rectangular pond, approximately 12x20m and upto 50cm deep. Very little aquatic vegetation. Some immature and dying alder and crack willow.

Target Note Reference: SK5511 TN5

Survey Date: 3rd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5575 1165 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Common Knapweed	<i>Centaurea nigra</i>	Frequent
Great Burnet	<i>Sanguisorba officinalis</i>	Frequent
Common Bird's-foot-trefoil	<i>Lotus corniculatus</i>	Frequent
Ribwort Plantain	<i>Plantago lanceolata</i>	Abundant
Red Clover	<i>Trifolium pratense</i>	Frequent
In sward of:		
Red Fescue	<i>Festuca rubra</i> agg.	
Common Bent	<i>Agrostis capillaries</i>	

Crested Dog's tail
Yorkshire Fog

Cynosurus cristatus
Holcus lanatus

Additional information: Good looking neutral grassland which warrants a full survey.

Target Note Reference: SK5511 TN6

Survey Date: 3rd June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 5556 1159 *Habitat Type(s):* Belt of trees by stream
Key Floral Species:-

Alder	<i>Alnus glutinosa</i>
Crack Willow	<i>Salix fragilis</i>
Ash	<i>Fraxinus excelsior</i>
<i>With field layer of:</i>	
Common Nettle	<i>Urtica dioica</i> Dominant
Garlic Mustard	<i>Alliaria petiolata</i>
Ground-ivy	<i>Glechoma hederacea</i>
Bramble	<i>Rubus fruticosus</i> agg.
Red Campion	<i>Silene dioica</i>

Additional information: Thick belt of trees by side of stream.

Target Note Reference: SK5511 TN7

Survey Date: 3rd June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 5527 1140 *Habitat Type(s):* Open water (eutrophic)
Key Floral Species:-

Water Mint	<i>Mentha aquatica</i>
Gipsywort	<i>Lycopus europaeus</i>
Reedmace	<i>Typha latifolia</i>
Water Forget-me-not	<i>Myosotis scorpioides</i>
Monkeyflower sp	<i>Mimulus</i> sp.
Water-cress	<i>Rorippa nasturtium-aquaticum</i>

Additional information: Higher quality ponds with extensive aquatic vegetation. No access, assessed from distance.

Target Note Reference: SK5511 TN8

Survey Date: 3rd June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 5517 1132 *Habitat Type(s):* Open water - eutrophic
Key Floral Species:-
Reedmace *Typha latifolia*

Additional information: Landscaped ponds, murky and shaded. Small amount of reedmace.

Target Note Reference: SK5511 TN9

Survey Date: 3rd June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 5511 1139 *Habitat Type(s):* Gardens

Additional information: Ornamental grounds of Cropston Water Treatment Works and Visitor Centre. Mature conifers dominant including spruce, pine, and larch with mature broadleaf trees, amenity grassland and introduced shrubs. More recent plantation at roadside.

Target Note Reference: SK5511 TN10

Survey Date: 2nd June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 5510 1180 *Habitat Type(s):* Mixed woodland
Key Floral Species:-

Ash	<i>Fraxinus excelsior</i> Dominant
Sycamore	<i>Acer pseudoplatanus</i> Dominant
Pedunculate Oak	<i>Quercus robur</i> Abundant
Scots Pine	<i>Pinus sylvestris</i>
a larch	<i>Larix</i> sp.
Hybrid black poplar	<i>Populus x canadensis</i>
<i>With shrub layer of:</i>	
Wych Elm	<i>Ulmus glabra</i>
Field Maple	<i>Acer campestre</i>
Hazel	<i>Corylus avellana</i>
Holly	<i>Ilex aquifolium</i>
Hawthorn	<i>Crataegus monogyna</i>
<i>And dense field layer of:</i>	
Ivy	<i>Hedera helix</i>
Bluebell	<i>Hyacinthoides non-scripta</i>

Target Note Reference: SK5511 TN11

Survey Date: 1st November 2010 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 5572 1156 Habitat Type(s): Species-rich hedgerows

Key Floral Species:-

North of road:

Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Small-leaved Lime	<i>Tilia cordata</i>
Hazel	<i>Corylus avellana</i>
Blackthorn	<i>Prunus spinosa</i>
Holly	<i>Ilex aquifolium</i>
Field Maple	<i>Acer campestre</i>

South of road:

Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Small-leaved Lime	<i>Tilia cordata</i>
Blackthorn	<i>Prunus spinosa</i>
Field Maple	<i>Acer campestre</i>
Dog Rose	<i>Rosa canina</i>

Additional information: Species-rich hedgerow to the north of Bradgate Road. The hedge to the south appears to have been relatively recently planted and is borderline species-rich and good quality.

Target Note Reference: SK5511 TN12

Survey Date: 1st November 2010 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 5542 1159 Habitat Type(s): Species-rich hedgerows

Key Floral Species:-

Southern section (Species-rich hedgerow):

Pedunculate Oak	<i>Quercus robur</i>
Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Hazel	<i>Corylus avellana</i>
Blackthorn	<i>Prunus spinosa</i>
Holly	<i>Ilex aquifolium</i>
Field Maple	<i>Acer campestre</i>
Black Bryony	<i>Tamus communis</i>

Northern Section (Species-rich hedgerow with trees):

Pedunculate Oak
 Hawthorn
 Blackthorn
 Dog Rose
 Hazel
 Holly
 Gorse

Quercus robur (Inc. All Trees)
Crataegus monogyna
Prunus spinosa
Rosa canina
Corylus avellana
Ilex aquifolium
Ulex europaeus

Additional information: Species-rich hedgerow on the eastern side of Swithland Road. In two sections, with oak trees to the north and treeless to the south by the junction. The northern section includes gorse as a structural part of the hedgerow.

Target Note Reference: SK5511 TN13

Survey Date: 1st November 2010 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 5513 1185 Habitat Type(s): Species-rich hedgerows with trees

Key Floral Species:-

Pedunculate Oak
 Small-leaved Lime

Quercus robur
Tilia cordata
 (Trees)

Hawthorn
 Blackthorn
 Wild Cherry
 Holly
 Field Maple
 Ash
 Hazel

Crataegus monogyna
Prunus spinosa
Prunus avium
Ilex aquifolium
Acer campestre
Fraxinus excelsior
Corylus avellana

Growing in hedgerow:

Sycamore
 Snowberry

Acer pseudoplatanus
Symphoricarpos albus

Additional information: Species rich hedgerow on the eastern side of Swithland Road, the southern part with lime trees. Non-native conifers have recently been planted along the inner (eastern) side of the hedgerow.

Target Note Reference: SK5511 TN14

Survey Date: 1st November 2010 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5530 1170 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i> (Trees)
Hazel	<i>Corylus avellana</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Wild Cherry	<i>Prunus avium</i>
Holly	<i>Ilex aquifolium</i>
Field Maple	<i>Acer campestre</i>
Ash	<i>Fraxinus excelsior</i>
Dog Rose	<i>Rosa canina</i>
Elder	<i>Sambucus nigra</i>
English Elm	<i>Ulmus procera</i>
Wych Elm	<i>Ulmus glabra</i>
Black Bryony	<i>Tamus communis</i>

Additional information: Species-rich hedgerow on the western side of Swithland Road. The above species are all found within 150 metres of hedgerow, sections have seven or more sources in 30m.

Target Note Reference: SK5511 TN15

Survey Date: 1st November 2010 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5514 1151 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Holly	<i>Ilex aquifolium</i>
Hazel	<i>Corylus avellana</i>
Blackthorn	<i>Prunus spinosa</i>
Hawthorn	<i>Crataegus monogyna</i>
Field Maple	<i>Acer campestre</i>
Ash	<i>Fraxinus excelsior</i>
Dog Rose	<i>Rosa canina</i>

Additional information: Species-rich hedgerow on the northern side of Bradgate Road.

1km Grid Square SK5512Target Note Reference: SK5512 TN1

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5532 1284 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

A sedge	<i>Carex sp.</i>	
Hard Rush	<i>Juncus inflexus</i>	
Least Duckweed	<i>Lemna minuta</i>	Abundant

Additional information: Old brick lined livestock pond 7m x 15m. Semi-permanent water at deeper end.

Target Note Reference: SK5512 TN2

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5580 1245 Habitat Type(s): Poor semi-improved neutral grassland

Key Floral Species:-

Tufted Hair-grass	<i>Deschampsia caespitosa</i>	Dominant
-------------------	-------------------------------	----------

Additional information: No access, viewed through binoculars. Some adjacent woodland areas were being cleared.

Target Note Reference: SK5512 TN3

Survey Date: 3rd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5572 1222 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Elder	<i>Sambucus nigra</i>
With field layer of:	
False Brome	<i>Brachypodium sylvaticum</i>
Herb Bennet	<i>Geum urbanum</i>
Dog's Mercury	<i>Mercurialis perennis</i>
Common Nettle	<i>Urtica dioica</i>
Enchanter's Nightshade	<i>Circaea lutetiana</i>
Common Nettle	<i>Urtica dioica</i>

Red Campion

Silene dioica

Target Note Reference: SK5512 TN4

Survey Date: 3rd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5514 1223 Habitat Type(s): Broadleaved trees along a stream

Key Floral Species:-

Alder	<i>Alnus glutinosa</i>
White Willow	<i>Salix alba</i>
Common Nettle	<i>Urtica dioica</i>
Bramble	<i>Rubus fruticosus agg.</i>

Additional information: Belt of dense mature alder (with willow and alder saplings and younger trees), along a shaded stream.

1km Grid Square SK5513Target Note Reference: SK5513 TN1

Survey Date: 2nd June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5538 1394 Habitat Type(s): Broadleaved Plantation

Key Floral Species:-

Hybrid poplar	<i>Populus sp.</i>
Sycamore	<i>Acer pseudoplatanus</i>
Pedunculate Oak	<i>Quercus robur</i>

Additional information: Semi-natural woodland with 50% planted poplars.

Target Note Reference: SK5513 TN2

Survey Date: 1st March 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK5521 1330 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Elder	<i>Sambucus nigra</i>
Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Holly	<i>Ilex aquifolium</i>
Field Maple	<i>Acer campestre</i>
Dog rose	<i>Rosa canina</i>
Alder	<i>Alnus glutinosa</i>
Hazel	<i>Corylus avellana</i>

Target Note Reference: SK5513 TN3

Survey Date: 1st March 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK5535 1339

Habitat Type(s): Species-rich hedgerow (with trees along part).

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Elder	<i>Sambucus nigra</i>
Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>

Goat willow
English Elm
Hazel

Salix Caprea
Ulmus procera
Corylus avellana

Additional information: Hedgerow has trees in northern section.

Target Note Reference: SK5513 TN4

Survey Date: 29th March 2011

Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK5506 1327 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Elder	<i>Sambucus nigra</i>
Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Field Maple	<i>Acer campestre</i>
Hazel	<i>Corylus avellana</i>

1km Grid Square SK5514Target Note Reference: SK5514 TN1

Survey Date: 2nd November 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5535 1482 Habitat Type(s): Marshy grassland

Key Floral Species:-

Hoary Willowherb	<i>Epilobium parviflorum</i>
Soft Rush	<i>Juncus effusus</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Alder	<i>Alnus glutinosa</i>
PSI Field species:	
Common Ragwort	<i>Senecio jacobaea</i>
Dandelion	<i>Taraxacum officinale</i> agg.
Broad-leaved Dock	<i>Rumex obtusifolius</i>

Additional information: A great spotted woodpecker (*Dendrocopus major*) was also observed in this area.

Target Note Reference: SK5514 TN2

Survey Date: 2nd November 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5531 1470 Habitat Type(s): Marshy grassland

Key Floral Species:-

Soft Rush	<i>Juncus effusus</i>
Hard Rush	<i>Juncus inflexus</i>
Alder	<i>Alnus glutinosa</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Square-stalked St. John's-wort	<i>Hypericum tetrapterum</i>
Broad-leaved Willowherb	<i>Epilobium montanum</i>
Hoary Willowherb	<i>Epilobium parviflorum</i>
Timothy	<i>Phleum pratense</i> sens.lat.
Bog Stitchwort	<i>Stellaria uliginosa</i>
Cock's-foot	<i>Dactylis glomerata</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
Creeping Thistle	<i>Cirsium arvense</i>
Wild Angelica	<i>Angelica sylvestris</i>

Jointed Rush

*Juncus articulatus*Target Note Reference: SK5514 TN3

Survey Date: 3rd August 2010

Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 5519 1418 Habitat Type(s): Running water

Key Floral Species:-

Alder	<i>Alnus glutinosa</i>
Dog rose	<i>Rosa canina</i> agg.
Blackthorn	<i>Prunus spinosa</i>
Hazel	<i>Corylus avellana</i>
Hawthorn	<i>Crataegus monogyna</i>
Goat willow	<i>Salix caprea</i>
Wild privet	<i>Ligustrum vulgare</i>
Crack willow	<i>Salix fragilis</i>

Additional information: Running water with a dense line of trees and scrub following its course.

Target Note Reference: SK5514 TN4

Survey Date: 3rd August 2010

Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 5543 1492 Habitat Type(s): Pond

Key floral species:-

Common Reed	<i>Phragmites australis</i>
Lesser Pond-sedge	<i>Carex acutiformis</i>

Additional information: Shady pond, in woodland, not accessible.

Target Note Reference: SK5514 TN5

Survey Date: 3rd August 2010

Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 5548 1498 Habitat Type(s): Pond

Key floral species:-

Great Willowherb	<i>Epilobium hirsutum</i>
Great Pond-sedge	<i>Carex riparia</i>
Weeping willow	<i>Salix sepulcralis</i>

Additional information: Shady pond, not accessible.

Target Note Reference: SK5514 TN6

Survey Date: 3rd August 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 5559 1485 Habitat Type(s): Pond

Additional information: Reservoir overflow, with no marginal vegetation but with some reedmace (*Typha latifolia*) present.

1km Grid Square SK5515Target Note Reference: SK5515 TN1

Survey Date: 2nd November 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5562 1586 Habitat Type(s): Running water

Key Floral Species:-

Water cress	<i>Rorippa nasturtium-aquaticum</i> agg.
Gypsywort	<i>Lycopus europaeus</i>
Brooklime	<i>Veronica beccabunga</i>
Fool's Water-cress	<i>Apium nodiflorum</i>
Bittersweet	<i>Solanum dulcamara</i>
Water Mint	<i>Mentha aquatica</i>
Floating Sweet-grass	<i>Glyceria fluitans</i>

Additional information: Two kingfishers (*Alcedo atthis*) were also observed at this location.

Target Note Reference: SK5515 TN2

Survey Date: 2nd November 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5564 1561 Habitat Type(s): Marshy grassland

Marshy grassland species:-

Marsh Thistle	<i>Cirsium palustre</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Soft Rush	<i>Juncus effusus</i>
Poor semi-improved field species:-	
Creeping Buttercup	<i>Ranunculus repens</i>
Common Sorrel	<i>Rumex acetosa</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Dandelion	<i>Taraxacum officinale</i> agg.
Creeping Bent	<i>Agrostis stolonifera</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Meadow Vetchling	<i>Lathyrus pratensis</i>
Yarrow	<i>Achillea millefolium</i>
Cock's-foot	<i>Dactylis glomerata</i>
Spear Thistle	<i>Cirsium vulgare</i>
Common Ragwort	<i>Senecio jacobaea</i>
a common mouse-ear	<i>Cerastium fontanum</i> ssp. <i>vulgare</i>
a willow	<i>Salix aurita</i> × <i>cinerea</i> (<i>S. × multinervis</i>)

Common Cat's-ear
Ribwort Plantain
Lesser Stitchwort
Crested Dog's-tail

Hypochaeris radicata
Plantago lanceolata
Stellaria graminea
Cynosurus cristatus

Additional information: Moisture-retaining grassland meadows. Rush dominated in places but flora not particularly inspiring. No access – observed through binoculars part of LWS W5515/4 Quorn Mill Fields.

Target Note Reference: SK5515 TN3

Survey Date: 3rd August 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 5530 1548 Habitat Type(s): Pond

Key Floral Species:-

Reedmace	<i>Typha latifolia</i>
Reed Sweet-grass	<i>Glyceria maxima</i>
Unbranched Bur-reed	<i>Sparganium emersum</i>

Additional information: Tree lined but relatively open, no submerged vegetation visible.

Target Note Reference: SK5515 TN4

Survey Date: 2nd November 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5557 1534 Habitat Type(s): Marshy grassland

Marshy grassland species:-

Silverweed	<i>Potentilla anserina</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Common Ragwort	<i>Senecio jacobaea</i>
Common Sorrel	<i>Rumex acetosa</i>
Meadow Vetchling	<i>Lathyrus pratensis</i>
Water Mint	<i>Mentha aquatica</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Common Nettle	<i>Urtica dioica</i>
Bog Stitchwort	<i>Stellaria uliginosa</i>
Marsh Thistle	<i>Cirsium palustre</i>
Hard Rush	<i>Juncus inflexus</i>
Poor semi-improved field species:-	
Common Sorrel	<i>Rumex acetosa</i>
Creeping Buttercup	<i>Ranunculus repens</i>

Meadow Vetchling	<i>Lathyrus pratensis</i>
Dandelion	<i>Taraxacum officinale</i> agg.
a common mouse-ear	<i>Cerastium fontanum</i> ssp. <i>vulgare</i>
Common Ragwort	<i>Senecio jacobaea</i>
Yarrow	<i>Achillea millefolium</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Cock's-foot	<i>Dactylis glomerata</i>
Spear Thistle	<i>Cirsium vulgare</i>
Perennial Rye-grass	<i>Lolium perenne</i>
a common mouse-ear	<i>Cerastium fontanum</i> ssp. <i>vulgare</i>
a willow	<i>Salix aurita</i> × <i>cinerea</i> (<i>S.</i> × <i>multinervis</i>)
Common Cat's-ear	<i>Hypochaeris radicata</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Lesser Stitchwort	<i>Stellaria graminea</i>
Crested Dog's-tail	<i>Cynosurus cristatus</i>

Additional information: Part of LWS W5515/4 Quorn Mill Fields.

Target Note Reference: SK5515 TN5

Survey Date: 2nd November 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 5553 1523 *Habitat Type(s):* Marshy grassland

Marshy grassland species:-

Common Nettle	<i>Urtica dioica</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Silverweed	<i>Potentilla anserina</i>
Common Ragwort	<i>Senecio jacobaea</i>
Common Sorrel	<i>Rumex acetosa</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Meadow Vetchling	<i>Lathyrus pratensis</i>
Water Mint	<i>Mentha aquatica</i>
Bog Stitchwort	<i>Stellaria uliginosa</i>

Poor semi-improved field species:-

Meadow Vetchling	<i>Lathyrus pratensis</i>
Yarrow	<i>Achillea millefolium</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Common Sorrel	<i>Rumex acetosa</i>
Perennial Rye-grass	<i>Lolium perenne</i>

Cock's-foot	<i>Dactylis glomerata</i>
Dandelion	<i>Taraxacum officinale</i> agg.
Creeping Bent	<i>Agrostis stolonifera</i>
Common Ragwort	<i>Senecio jacobaea</i>
a common mouse-ear	<i>Cerastium fontanum</i> ssp. <i>vulgare</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Spear Thistle	<i>Cirsium vulgare</i>
a common mouse-ear	<i>Cerastium fontanum</i> ssp. <i>vulgare</i>
a willow	<i>Salix aurita</i> × <i>cinerea</i> (<i>S.</i> × <i>multinervis</i>)
Common Cat's-ear	<i>Hypochaeris radicata</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Lesser Stitchwort	<i>Stellaria graminea</i>
Crested Dog's-tail	<i>Cynosurus cristatus</i>

Additional information: Part of LWS W55156 Quorn Mill Field 8.

1km Grid Square SK5516**Target Note Reference: SK5516 TN1**

Survey Date: 3rd March 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 5535 1687 *Habitat Type(s):* Stream

Additional information: Slow flowing stream, 2m wide and 50cm deep.
Running through woodland. No aquatic or marginal vegetation.

Target Note Reference: SK5516 TN2

Survey Date: 3rd March 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 5527 1694 *Habitat Type(s):* Stream

Key Floral Species:-

Reed canary grass

Phalaris arundinacea Dominant

Greater willowherb

Epilobium hirsutum Occasional

Fool's watercress

Apium nodiflorum Occasional

Additional information: Slow flowing stream, 2m wide and 50cm deep. Running through open grassland. Banks dominated by reed canary grass.

1km Grid Square SK5517Target Note Reference: SK5517 TN1Survey Date: 3rd March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5557 1746 Habitat Type(s): Pond

Key Floral Species:-

Reedmace	<i>Typha latifolia</i>	
	Dominant	
Common starwort	<i>Callitriche stagnalis sens.lat.</i>	Frequent
Watercress	<i>Rorippa nasturtium-aquaticum agg.</i>	Rare
Lesser pond sedge	<i>Carex acutiformis</i>	Occasional
Water forget-me-not	<i>Myosotis scorpioides</i>	Rare

Additional information: Pond 15m² and 1m deep. Approximately 75% covered by reedmace

Target Note Reference: SK5517 TN2Survey Date: 3rd March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5597 1775 Habitat Type(s): Pond

Key Floral Species:-

Crack willow	<i>Salix fragilis</i>
--------------	-----------------------

Additional information: Pond 5m² and shallow. Very shaded. On edge of plantation woodland. No marginal vegetation.

1km Grid Square SK5518Target Note Reference: SK5518 TN1

Survey Date: 21st July 2010 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5542 1880 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Tufted hair-grass	<i>Deschampsia caespitosa</i>
Soft rush	<i>Juncus effusus</i>
Hard rush	<i>Juncus inflexus</i>
Marsh thistle	<i>Cirsium palustre</i>
Creeping thistle	<i>Cirsium arvense</i>

Additional information: Series of fields north of the Grand Union Canal. Includes Loughborough Moors LWS (Ref: CBC 5518/1). No access to survey area in detail, therefore viewed through binoculars. Fields to the east were noted to appear dryer and supported abundant creeping thistle.

Target Note Reference: SK5518 TN2

Survey Date: 21st July 2010 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5511 1878 Habitat Type(s): Canal, marginal vegetation

Key Floral Species:-

Gypsywort	<i>Lycopus europaeus</i>	
Meadowsweet	<i>Filipendula ulmaria</i>	
Water Figwort	<i>Scrophularia auriculata</i>	
Reed Sweet-grass	<i>Glyceria maxima</i>	
Arrowhead	<i>Sagittaria sagittifolia</i>	in the water
Yellow Water-Lily	<i>Nuphar lutea</i>	in the water

Additional information: Grand Union Canal east of Loughborough. Ruderal vegetation on banks, arrowhead and yellow water-lily in canal.

Target Note Reference: SK5518 TN3

Survey Date: 21st July 2010 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5525 1870 Habitat Type(s): Semi improved neutral grassland & marshy grassland

Key Floral Species:-

Perennial Rye-grass	<i>Lolium perenne</i>
Crested Dog's tail	<i>Cynosurus cristatus</i>
Common Bent	<i>Agrostis capillaries</i>
Sweet Vernal Grass	<i>Anthoxanthum odoratum</i>
Common Cat's ear	<i>Hypochaeris radicata</i>
Red Clover	<i>Trifolium pratense</i>
White Clover	<i>Trifolium repens</i>
Soft Rush	<i>Juncus effusus</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Yorkshire Fog	<i>Holcus lanatus</i>
<u>Damp areas:</u>	
Soft Rush	<i>Juncus effusus</i>
Meadowsweet	<i>Filipendula ulmaria</i>
False Fox Sedge	<i>Carex otrubae</i>

Additional information: Three fields of semi-improved neutral grassland south of the Grand Union Canal. Include areas of damp marshy grassland.

Target Note Reference: SK5518 TN4

Survey Date: 21st July 2010 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5572 1858 Habitat Type(s): Plantation broad-leaved woodland.

Key Floral Species:-

Sycamore	<i>Acer pseudoplatanus</i>
Ash	<i>Fraxinus excelsior</i>
Pedunculate Oak	<i>Quercus robur</i>
<u>Ground Flora & Understorey:</u>	
Crack Willow	<i>Salix fragilis</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information: Plantation of semi-mature trees.

1km Grid Square SK5519

Target Note Reference: SK5519 TN1

Survey Date: 21st July 2010 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5512 1948 Habitat Type(s): Species-poor semi-improved grassland

Key Floral Species:-

False oat-grass	<i>Arrhenatherum elatius</i>
Creeping thistle	<i>Cirsium arvense</i>
Common nettle	<i>Urtica dioica</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Cock's-foot	<i>Dactylis glomerata</i>

Additional information: Field North of Moor Lane Local Wildlife Site (Ref: CBC 5519/1). Access not possible, however from track appeared to be dominated by false oat-grass with areas of tall ruderal. Meadowsweet noted occasionally, indicating damper areas present.

1km Grid Square SK5520**Target Note Reference: SK5520 TN1**

Survey Date: 16th June 2010 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 5542 2080 *Habitat Type(s):* Poor-semi-improved grassland

Key Floral Species:-

Lady's Bedstraw	<i>Galium verum</i>
Yellow Oat-grass	<i>Trisetum flavescens</i>
Goat's Beard	<i>Tragopogon pratensis</i>
Crested Dogs Tail	<i>Cynosurus cristatus</i>
Red Clover	<i>Trifolium pratense</i>

Additional information: This area is a caravan site on Cotes Grassland SSSI. It is notably poorer than the surrounding grassland.

Target Note Reference: SK5520 TN2

Survey Date: 16th June 2010 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK5543 2072 *Habitat Type(s):* Semi-improved neutral grassland

Key Floral Species:-

Perennial Rye-grass	<i>Lolium perenne</i>
Yarrow	<i>Achillea millefolium</i>
Common Sorrel	<i>Rumex acetosa</i>
Common Bent	<i>Agrostis capillaris</i>
Crested Dogs Tail	<i>Cynosurus cristatus</i> - Abundant
Red Clover	<i>Trifolium pratense</i>
Yellow Oat-grass	<i>Trisetum flavescens</i>
Cock's Foot	<i>Dactylis glomerata</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Dandelion	<i>Taraxacum officinale</i> agg.

Additional information: Cotes Grassland SSSI, mown for hay production.

Target Note Reference: SK5520 TN3

Survey Date: 16th June 2010 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 5538 2063 *Habitat Type(s):* Running water

Key Floral Species:-

Common Club Rush	<i>Schoenoplectus lacustris</i>
Reed Sweet Grass	<i>Glyceria maxima</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Common Nettle	<i>Urtica dioica</i>
Crack Willow	<i>Salix fragilis</i>

Additional information: The River Soar (LWS S2.7), Reed grasses dominate margins, common nettle and willows on banks.

1km Grid Square SK5522Target Note Reference: SK5522 TN1Survey Date: 29th March 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 555 228 Habitat Type(s): Broadleaved woodland

Key Floral Species:-

White Willow	<i>Salix alba</i>	
Alder	<i>Alnus glutinosa</i>	
Ash	<i>Fraxinus excelsior</i>	dominant
Sycamore	<i>Acer pseudoplatanus</i>	
Pedunculate oak	<i>Quercus robur</i>	
Goat Willow	<i>Salix caprea</i>	
Wild Cherry	<i>Prunus avium</i>	
<i>Understorey</i>		
Hawthorn	<i>Crataegus monogyna</i>	
Blackthorn	<i>Prunus spinosa</i>	
Elder	<i>Sambucus nigra</i>	
Dog Rose	<i>Rosa canina</i> agg.	
Bramble	<i>Rubus fruticosus</i> agg.	
<i>Ground flora:</i>		
Lords-and-ladies	<i>Arum maculatum</i>	
Lesser Celandine	<i>Ranunculus ficaria</i>	
Wood avens	<i>Geum urbanum</i>	
Red Campion	<i>Silene dioica</i>	
Herb-robert	<i>Geranium robertianum</i>	
Common Nettle	<i>Urtica dioica</i>	
Ground-ivy	<i>Glechoma hederacea</i>	
Cleavers	<i>Galium aparine</i>	
Ivy	<i>Hedera helix</i>	
Common Dog-violet	<i>Viola riviniana</i>	
Wood meadow grass	<i>Poa nemoralis</i>	

Additional information:

Broadleaved wet woodland with scrub layer lining river/ stream.

1 km Grid Square SK5523

Target Note Reference: SK5523 TN1

Survey Date: 29th March 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 558 231 Habitat Type(s): Running water

Key Floral Species:-

Brooklime *Veronica beccabunga*

Great willowherb *Epilobium hirsutum*

Additional information: Kings Brook generally shallow, although up to 50cm deep in places. Substrate stony or sandy. Very little aquatic vegetation. Tall ruderal along banks.

1km Grid Square SK5610Target Note Reference: SK5610 TN1

Survey Date: 14th July 2011 Surveyor: Zoe Jackson MSc Grad IEEM
 Grid Reference: SK 5642 1085 Habitat Type(s): Semi-improved neutral grassland
 Key Floral Species:

Tufted vetch	<i>Vicia cracca</i>
Common knapweed	<i>Centaura nigra</i>
Ribwort plantain	<i>Plantago lanceolata</i>
Redshank	<i>Persicaria maculosa</i>
Meadow buttercup	<i>Ranunculus acris</i>
Creeping buttercup	<i>Ranunculus repens</i>
Common birds foot trefoil	<i>Lotus corniculatus</i>
Sweet vernal grass	<i>Anthoxanthum odoratum</i>
Crested dog's tail	<i>Cynosurus cristatus</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Lesser stitchwort	<i>Stellaria graminea</i>
Meadow vetchling	<i>Lathyrus pratensis</i>
Great burnet	<i>Sanguisorba officinalis</i>
Yorkshire fog	<i>Holcus lanatus</i>
Cock's foot	<i>Dactylis glomerata</i>
Creeping bent	<i>Agrostis stolonifera</i>
Oxeye daisy	<i>Leucanthemum vulgare</i>
Common mouse ear	<i>Cerastium arvense</i>
Dandelion	<i>Taraxacum officinale</i> agg.

Target Note Reference: SK5610 TN2

Survey Date: 14th July 2011 Surveyor: Zoe Jackson MSc Grad IEEM
 Grid Reference: SK 5633 1099 Habitat Type(s): Marshy grassland
 Key Floral Species:

Creeping buttercup	<i>Ranunculus repens</i>
Water mint	<i>Mentha aquatica</i>
Water figwort	<i>Scrophularia auriculata</i>
Reed canary grass	<i>Phalaris arundinacea</i>
Yorkshire fog	<i>Holcus lanatus</i>
Creeping thistle	<i>Cirsium arvense</i>
Crack willow	<i>Salix fragilis</i>
White clover	<i>Trifolium repens</i>

Redshank
 Jointed rush
Persicaria maculosa
Juncus articulatus

Additional information: Marshy grassland with scattered willow.

Target Note Reference: SK5610 TN3

Survey Date: 14th July 2011 Surveyor: Zoe Jackson MSc Grad IEEM
 Grid Reference: SK 5649 1085 Habitat Type(s): Standing water (pond)
 Key Floral Species:

Water starwort sp.	<i>Callitriche</i> sp.
Meadowsweet	<i>Filipendula ulmaria</i>
Reed canary grass	<i>Phalaris arundinacea</i>
Tall fescue	<i>Festuca arundinacea</i>
Hard rush	<i>Juncus inflexus</i>

Additional information: Small pond 3x2m. Covered in starwort and with some marginal vegetation.

Target Note Reference: SK5610 TN4

Survey Date: 5th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM
 Grid Reference: SK 5603 1006 Habitat Type(s): Running water
 Key Floral Species:

Common Nettle	<i>Urtica dioica</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Cow Parsley	<i>Anthriscus sylvestris</i>
Hedge Bindweed	<i>Calyptegia sepium</i>
Red Campion	<i>Silene dioica</i>
Garlic Mustard	<i>Alliaria petiolata</i>
Blackthorn	<i>Prunus spinosa</i>
Bramble	<i>Rubus fruticosus</i> agg.

Additional information: Part of Rothley Brook (LWS S2.8), at this point the brook is 5m wide and 7.5 m deep, it is fast flowing with steep banks and no aquatic vegetation.

1km Grid Square SK5611Target Note Reference: SK5611 TN1

Survey Date: 14th July 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5681 1136 Habitat Type(s): Running water

Key Floral Species:

Reed canary grass	<i>Phalaris arundinacea</i>
Water forget-me-not	<i>Myosotis scorpioides</i>
Gipsywort	<i>Lycopus europaeus</i>

Additional information: Rothley Brook. At bridge, approximately 4m wide and up to 1m deep. No aquatic vegetation, some marginal vegetation. Slow flowing and with silty substrate.

Target Note Reference: SK5611 TN2

Survey Date: 14th July 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5644 1121 Habitat Type(s): Running water

Key Floral Species:

White water lily	<i>Nymphaea alba</i>
Water forget-me-not	<i>Myosotis scorpioides</i>
Water figwort	<i>Scrophularia auriculata</i>
Branched bur-reed	<i>Sparganium erectum</i>
Common reed	<i>Phragmites australis</i>

Additional information: Rothley Brook (LWS S2.8). At bridge, approximately 6m wide and up to 1m deep. Some aquatic vegetation and marginal vegetation. Stony bed. Numerous large fish seen.

1km Grid Square SK5612Target Note Reference: SK5612 TN1

Survey Date: 8th June 2010 Surveyor: John Moore PhD MIEEM
Grid Reference: SK 5686 1278 Habitat Type(s): Orchard

Additional information: Orchard of fruit trees. Private land, no access.

Target Note Reference: SK5612 TN2

Survey Date: 8th June 2010 Surveyor: John Moore PhD MIEEM
Grid Reference: SK 5609 1215 Habitat Type(s): Semi-improved neutral grassland fields

Key Floral Species:-

False oat-grass	<i>Arrhenatherum elatius</i>	Dominant
Creeping thistle	<i>Cirsium arvense</i>	Abundant
Great burnet	<i>Sanguisorba officinalis</i>	Frequent
Common hemp-nettle [agg.]	<i>Galeopsis tetrahit agg.</i>	Frequent
Meadowsweet	<i>Filipendula ulmaria</i>	Frequent
Key Floral Species (marshy areas):-		
Meadowsweet	<i>Filipendula ulmaria</i>	Dominant
Great burnet	<i>Sanguisorba officinalis</i>	Frequent
Large bird's-foot-trefoil	<i>Lotus pedunculatus</i>	Frequent
Common marsh-bedstraw	<i>Galium palustre</i>	Rare
Meadow vetchling	<i>Lathyrus pratensis</i>	Frequent
Creeping thistle	<i>Cirsium arvense</i>	Frequent
Tormentil	<i>Potentilla erecta</i>	Rare
Lesser stitchwort	<i>Stellaria graminea</i>	Frequent
Lesser pond-sedge	<i>Carex acutiformis</i>	Abundant

Additional information: Unmanaged, becoming weedy and possibly drying out but may be restorable to high quality habitat. Part of LWS W5612/1 – Swithland Hall Estate. Marshy areas are close to the watercourse.

Target Note Reference: SK5612 TN3

Survey Date: 8th June 2010 Surveyor: John Moore PhD MIEEM
Grid Reference: SK 5615 1225 Habitat Type(s): Neutral grassland
Key Floral Species:

Great Burnet	<i>Sanguisorba officinalis</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Common Knapweed	<i>Centaurea nigra</i>
Large Bird's-foot-trefoil	<i>Lotus pedunculatus</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Meadowsweet	<i>Filipendula ulmaria</i>

Additional information: Hay meadow. Cut for hay shortly before survey, therefore species list not complete. Line of meadowsweet near stream. Part of LWS site CBC W5612/1.

Target Note Reference: SK5612 TN4

Survey Date: 8th June 2010 Surveyor: John Moore PhD MIEEM
Grid Reference: SK 5602 1207 Habitat Type(s): Semi-improved grassland (currently set aside).

Key Floral Species:-

Soft-brome	<i>Bromus bordeaceus</i>	Abundant
Barren Brome	<i>Anisantha sterilis</i>	Abundant
Yorkshire-fog	<i>Holcus lanatus</i>	Frequent
Creeping Thistle	<i>Cirsium arvense</i>	Frequent
Common Ragwort	<i>Senecio jacobaea</i>	Occasional

Additional information: Part of LWS site CBC W5612/1.

1km Grid Square SK5613Target Note Reference: SK5613 TN1

Survey Date: 8th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 56351334 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Reedmace	<i>Typha latifolia</i>
Yellow Iris	<i>Iris pseudacors</i>
Soft Rush	<i>Juncus effusus</i>
Great Willowherb	<i>Epilobium hirsutum</i>

Additional information: New pond. No access, but no submerged or floating vegetation visible. Stands of plants at pond margins.

Target Note Reference: SK5613 TN2

Survey Date: 8th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5627 1338 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Silver Birch	<i>Betula pendula</i>
Hawthorn	<i>Crataegus monogyna</i>
Elder	<i>Sambucus nigra</i>
Dog's Mercury	<i>Mercurialis perennis</i>
Common Nettle	<i>Urtica dioica</i>
Wild Strawberry	<i>Fragilis vesca</i>
Wood Avens	<i>Geum urbanum</i>
Enchanter's Nightshade	<i>Circaea lutetiana</i>

Additional information: Secondary ash woodland on former railway land.

Target Note Reference: SK5613 TN3

Survey Date: 8th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5625 1342 Habitat Type(s): Ephemeral short perennial

Key Floral Species:-

Wood Avens	<i>Geum urbanum</i>
Common Nettle	<i>Urtica dioica</i>
Sticky Groundsel	<i>Senecio viscosus</i>

Small Toadflax	<i>Chaenorhinum minus</i>
Red Campion	<i>Silene dioica</i>
Canadian Fleabane	<i>Conyza canadensis</i>
Weld	<i>Reseda luteola</i>
Lesser Burdock	<i>Arctium minus</i>
Perforate St. John's-wort	<i>Hypericum perforatum</i>
Oxeye Daisy	<i>Leucanthemum vulgare</i>
Rosebay Willowherb	<i>Chamerion angustifolium</i>
Wood Sage	<i>Teucrium scorodonia</i>
Foxglove	<i>Digitalis purpurea</i>
Ground Ivy	<i>Glechoma hederacea</i>
Field Forget-me-not	<i>Myosotis arvensis</i>
Great Mullein	<i>Verbascum thapsus</i>
Common Figwort	<i>Scrophularia nodosa</i>

Additional information: Perennial vegetation on ballast heap.

Target Note Reference: SK5613 TN4

Survey Date: 8th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5634 1299 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Bramble	<i>Rubus fruticosus</i>
Crack Willow	<i>Salix fragilis</i>
Alder	<i>Alnus glutinosa</i>

Additional information: Mix of wet and dry broadleaved woodland.

No access – mostly railway land. Within Buddon Wood and Swithland Reservoir SSSI.

Target Note Reference: SK5613 TN5

Survey Date: 8th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5620 1313 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Common duckweed	<i>Lemna minor</i>
Reedmace	<i>Typha latifolia</i>

Reed sweet-grass	<i>Glyceria maxima</i>
Purple-loosestrife	<i>Lythrum salicaria</i>
Yellow iris	<i>Iris pseudacorus</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Branched bur-reed	<i>Sparganium erectum</i>
Willow sp	<i>Salix</i> sp.

Within Buddon Wood and Swithland Reservoir SSSI.

Additional information: Open water (Swithland Reservoir) and fringe of tall swamp. Reedmace and reed sweet-grass dominant around fringes. Scrubby willows behind. No Access. Within Buddon Wood and Swithland Reservoir SSSI.

Target Note Reference: SK5613 TN6

Survey Date: 8th June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 5602 1318 *Habitat Type(s):* Semi-natural broadleaved woodland
Key Floral Species:-

Alder	<i>Alnus glutinosa</i>
Beech	<i>Fagus sylvatica</i>
White willow	<i>Salix alba</i>
Bramble	<i>Rubus fruticosus</i>
Common Nettle	<i>Urtica dioica</i>
Meadowsweet	<i>Filipendula ulmaria</i>

Additional information: Mix of natural and planted broadleaved woodland. Within Buddon Wood and Swithland Reservoir SSSI.

Target Note Reference: SK5613 TN7

Survey Date: 8th June 2010 *Surveyor:* John Moore PhD MIEEM
Grid Reference: SK 5610 1314 *Habitat Type(s):* Tall swamp
Key Floral Species:-

Reedmace	<i>Typha latifolia</i>
Great Pond-sedge	<i>Carex riparia</i>
Reed Sweet-grass	<i>Glyceria maxima</i>
Purple-loosestrife	<i>Lythrum salicaria</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>

Additional information: Tall swamp adjacent to Swithland Reservoir.

1km Grid Square SK5614Target Note Reference: SK5614 TN1Survey Date: 2nd August 2010

Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5689 1464 Habitat Type(s): Broadleaved woodland with extensive areas of tall ruderal

Key Floral Species:-

Pedunculate Oak

Hazel

Hawthorn

Rowan

Gorse

Bracken

Bramble

Apple

*Quercus robur**Corylus avellana**Crataegus monogyna**Sorbus aucuparia**Ulex europaeus**Pteridium aquilinum**Rubus fruticosus* agg.*Malus sylvestris*

Additional information: Scattered broadleaved trees in tall ruderal shading into open broadleaved oak woodland moving SE to NW across the area. Some *Malus* on woodland edge. Part of LWS W 5614/12 Bond Lane Wood.

Target Note Reference: SK5614 TN2Survey Date: 2nd August 2010

Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5691 1473 Habitat Type(s): Plantation broadleaved woodland

Key Floral Species:-

Silver birch

Betula pendula

Additional information: Plantation woodland with silver birch dominating. Part of LWS W 5614/12 Bond Lane Wood.

Target Note Reference: SK5614 TN3Survey Date: 2nd August 2010

Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5611 1470 Habitat Type(s): Broadleaved woodland

Key Floral Species:-

Pedunculate Oak

a lime

Silver Birch

*Quercus robur**Tilia* sp.*Betula pendula*

Bracken

Bramble

*Pteridium aquilinum**Rubus fruticosus* agg.

Additional information: No access, surveyed from road. Within Buddon Wood & Swithland Reservoir SSSI.

Target Note Reference: SK5614 TN4Survey Date: 2nd August 2010

Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5603 1453 Habitat Type(s): Standing water eutrophic

Additional information: Numerous wildfowl including high numbers of tufted duck (*Aythya fuligula*), also great crested grebe (*Podiceps cristatus*), cormorant (*Phalacrocorax carbo*), mute swan (*Cygnus olor*) and heron (*Ardea cinerea*). Buddon Wood & Swithland Reservoir SSSI.

Target Note Reference: SK5614 TN5Survey Date: 2nd August 2010

Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5648 1439 Habitat Type(s): Dried up pond

Key Floral Species:-

Soft Rush

Hard Rush

*Juncus effusus**Juncus inflexus*

Additional information: Former pond with patches of rushes.

Target Note Reference: SK5614 TN6Survey Date: 2nd November 2011

Surveyor: Steve Ralph MIEEM

Grid Reference: SK 5631 1434 Habitat Type(s): Marshy grassland

Key Floral Species:-

Hard Rush

Soft Rush

Reed Canary-grass

Spear Thistle

White Willow

Common Nettle

Tufted Hair-grass

Hoary Willowherb

*Juncus inflexus**Juncus effusus**Phalaris arundinacea**Cirsium vulgare**Salix alba**Urtica dioica**Deschampsia caespitosa**Epilobium parviflorum*

Ragged Robin	<i>Lychnis flos-cuculi</i>
Water Mint	<i>Mentha aquatica</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Black Knapweed	<i>Centaurea nigra</i>
Selfheal	<i>Prunella vulgaris</i>
Common Sorrel	<i>Rumex acetosa</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Creeping Thistle	<i>Cirsium arvense</i>
Wild Angelica	<i>Angelica sylvestris</i>

Additional information: Sheep grazed enclosure dominated by rushes, with planting of white willow. Local Wildlife Site Kinchley Lane Field (CBC W 5614/6).

1km Grid Square SK5615Target Note Reference: SK5615 TN1

Survey Date: 2nd August 2010 Surveyor: Mike Poulton AIEEM
 Grid Reference: SK 5654 1574 Habitat Type(s): Semi-natural mixed woodland
 Key Floral Species:-

Beech	<i>Fagus sylvatica</i>
Silver Birch	<i>Betula pendula</i>
Sycamore	<i>Acer pseudoplatanus</i>
Scots Pine	<i>Pinus sylvestris</i>
Bluebell	<i>Hyacinthoides non-scripta</i>
Wood-sorrel	<i>Oxalis acetosella</i>
Red Campion	<i>Silene dioica</i>
Germander Speedwell	<i>Veronica chamaedrys</i>
Common Dog-violet	<i>Viola riviniana</i>
<i>With occasional:</i>	
Dog's Mercury	<i>Mercurialis perennis</i>
Wood Anemone	<i>Anemone nemorosa</i>

Additional information: Scattered broadleaved trees grading into mixed woodland. Part of LWS W 5615/2 Rowhele Wood.

Target Note Reference: SK5615 TN2

Survey Date: 2nd August 2010 Surveyor: Mike Poulton AIEEM
 Grid Reference: SK 5640 1569 Habitat Type(s): Mixed woodland
 Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Larch	<i>Larix decidua</i>
Silver Birch	<i>Betula pendula</i>
Scots Pine	<i>Pinus sylvestris</i>
<i>With understorey:</i>	
Cherry Laurel	<i>Prunus laurocerasus</i>
Elder	<i>Sambucus nigra</i>
<i>And ground flora:</i>	
Bluebell	<i>Hyacinthoides non-scripta</i>
Bracken	<i>Pteridium aquilinum</i>
Ground-ivy	<i>Glechoma hederacea</i>
Red Currant	<i>Ribes rubrum</i>

Yellow Archangel

Lamium galeobdolon

Additional information: Scattered broadleaved trees shading into woodland with glades. Part of LWS W 5615/2 Rowhele Wood. Included on Leicestershire Inventory of Ancient Woodland, surveyor considers this area to be partly plantation.

Target Note Reference: SK5615 TN3

Survey Date: 2nd August 2010 Surveyor: Mike Poulton AIEEM
 Grid Reference: SK 5606 1562 Habitat Type(s): Mixed plantation woodland
 Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>	
Scots Pine	<i>Pinus sylvestris</i>	
Horse-chestnut	<i>Aesculus hippocastanum</i>	
<i>With understorey:</i>		
Elder	<i>Sambucus nigra</i>	
Sycamore	<i>Acer pseudoplatanus</i>	
Rowan	<i>Sorbus aucuparia</i>	
<i>And ground flora:</i>		
Bramble	<i>Rubus fruticosus agg.</i>	Dominant
Bluebell	<i>Hyacinthoides non-scripta</i>	
Red Campion	<i>Silene dioica</i>	

Additional information: Part of LWS W 5515/5 The Coppice. Good amounts of standing and fallen dead wood.

Target Note Reference: SK5615 TN4

Survey Date: 2nd August 2010 Surveyor: Mike Poulton AIEEM
 Grid Reference: SK 5623 1587 Habitat Type(s): Poor semi-improved grassland with mature broadleaved trees

Additional information: No access to this area. Part of Local Wildlife Site CBC W 5516/3 Quorn House Park, with listed habitats of mixed grassland, wet woodland and mature trees.

Target Note Reference: SK5615 TN5Survey Date: 2nd August 2010

Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5662 1555 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Silver Birch	<i>Betula pendula</i>
Pedunculate Oak	<i>Quercus robur</i>
Sycamore	<i>Acer pseudoplatanus</i>
Rowan	<i>Sorbus aucuparia</i>
Bracken	<i>Pteridium aquilinum</i>

Additional information: No access. Within Buddon Wood & Swithland Reservoir SSSI. Broadleaved woodland of varying ages with some areas of continuous bracken understorey.

Target Note Reference: SK5615 TN6Survey Date: 2nd August 2010

Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5664 1570 Habitat Type(s): Broadleaved woodland

Key Floral Species:-

(groundflora only)

Wood Melick	<i>Melica uniflora</i>
Wood Millet	<i>Milium effusum</i>

Additional information: Above species noted among ground flora suggest this is a remnant of ancient woodland.

1km Grid Square SK5617**Target Note Reference: SK5617 TN1**

Survey Date: 2nd September 2010 Surveyor: Tim Smith

Grid Reference: SK 5684 1798 Habitat Type(s): Marshy grassland and running water (spring)

Key Floral Species:-

Wet grassland:

Creeping Buttercup

Clustered Dock

Brooklime

Floating Sweet-grass

Creeping thistle

Hard rush

Red Clover

Perennial rye grass

Red fescue

Common ragwort

Watercress

Meadowsweet

False Fox sedge

Agrimony

Brooklime

Running water:

Duckweed

Greater pond sedge

Watercress

Hard rush

Marsh woundwort

Brooklime

Ranunculus repens

Rumex conglomeratus

Veronica beccabunga

Glyceria fluitans

Cirsium arvense

Juncus inflexus

Trifolium pratense

Lolium perenne

Festuca rubra

Senecio jacobaea

Rorippa nasturtium-aquaticum

Filipendula ulmaria

Carex otrubae

Agrimonia eupatoria

Veronica beccabunga

Lemna minor

Carex riparia

Rorippa nasturtium-aquaticum

Juncus inflexus

Stachys palustris

Veronica beccabunga

Additional information: Spring/seepage area in improved grassland field. Part of LWS: W/5618/9 Railway Fields.

Target Note Reference: SK5617 TN2

Survey Date: 2nd September 2010 Surveyor: Tim Smith

Grid Reference: SK 5687 1775 Habitat Type(s): Running water

Key Floral Species:-

Branched Bur-reed

Yellow Iris

Reed-mace

Meadowsweet

Floating Pennywort

Unbranched Bur-reed

Yellow Water-lily

Reed Canary-grass

Arrowhead

Reed Sweet-grass

Common Water-starwort

Orange Balsam

Water-pepper

Great Willowherb

Marsh Woundwort

Gipsywort

Bur-marigold

Common Reed

Nuttall's Water-weed

Water Figwort

Purple-loosestrife

Hedge Bindweed

Yellow Iris

a sedge

Water Chickweed

Wild Angelica

Water Mint

Common Comfrey

Sparganium erectum

Iris pseudacorus

Typha latifolia

Filipendula ulmaria

Hydrocotyle ranunculoides

Sparganium emersum

Nuphar lutea

Phalaris arundinacea

Sagittaria sagittifolia

Glyceria maxima

Callitriche stagnalis sens.lat.

Impatiens capensis

Persicaria hydropiper

Epilobium hirsutum

Stachys palustris

Lycopus europaeus

Bidens sp.

Phragmites australis

Elodea nuttallii

Scrophularia auriculata

Lythrum salicaria

Cabystegia sepium

Iris pseudacorus

Carex sp.

Myosoton aquaticum

Angelica sylvestris

Mentha aquatica

Symphytum officinale

Additional information: Section of River Soar (LWS: S.2.7) with aquatic and marginal vegetation.

Target Note Reference: SK5617 TN3

Survey Date: 2nd September 2010 Surveyor: Tim Smith

Grid Reference: SK 5660 1798 – SK 5692 1761

Habitat Type(s): Running water

Key Floral Species:-

Branched Bur-reed	<i>Sparganium erectum</i>
Reedmace	<i>Typha latifolia</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Floating Pennywort	<i>Hydrocotyle ranunculoides</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Orange Balsam	<i>Impatiens capensis</i>
Common Reed	<i>Phragmites australis</i>
Purple-loosestrife	<i>Lythrum salicaria</i>
Hedge Bindweed	<i>Calystegia sepium</i>
a sedge	<i>Carex sp.</i>
Common Duckweed	<i>Lemna minor</i>

Additional information: Ditch parallel to towpath, partly lined by trees and shrubs (including willow pollards).

1km Grid Square SK5618**Target Note Reference: SK5618 TN1**

Survey Date: 16th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5676 1809 Habitat Type(s): Poor semi-improved grassland

Key Floral Species:-

Grassland:

Creeping buttercup	<i>Ranunculus repens</i>
Red clover	<i>Trifolium pratense</i>
Perennial rye grass	<i>Lolium perenne</i>
Ribwort plantain	<i>Plantago lanceolata</i>
Creeping bent	<i>Agrostis stolonifera</i>
Crested dogs tail	<i>Cynosurus cristatus</i>
White clover	<i>Trifolium repens</i>
Greater plantain	<i>Plantago major</i>
Dandelion	<i>Taraxacum officinale</i>
Hawkweed	<i>Hieracium agg.</i>
Damp area:	
Red fescue	<i>Festuca rubra</i>
Spear thistle	<i>Cirsium vulgare</i>
Curled dock	<i>Rumex crispus</i>
Yorkshire fog	<i>Holcus lanatus</i>
Hard rush	<i>Juncus inflexus</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Meadow buttercup	<i>Ranunculus acris</i>
Common sorrel	<i>Rumex acetosa</i>

Additional information: Field, Part of LWS: W/5618/9 Railway Fields. There is a damp area at bottom of the field by the railway embankment.

Target Note Reference: SK5618 TN2

Survey Date: 16th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5670 1819 Habitat Type(s): Pond (standing water)

Key Floral Species:-

Reedmace	<i>Typha latifolia</i>
Common Reed	<i>Phragmites australis</i>
Soft rush	<i>Juncus effusus</i>

Additional information: Pond, surrounded by poor semi improved grassland, with prominent tall marginal vegetation, no aquatic vegetation visible.

Target Note Reference: SK5618 TN3

Survey Date: 16th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5664 1828 Habitat Type(s): Tall ruderal vegetation

Key Floral Species:-

Meadowsweet	<i>Filipendula ulmaria</i>
Common reed	<i>Phragmites australis</i>
Great willowherb	<i>Epilobium hirsutum</i>
Marsh woundwort	<i>Stachys palustris</i>
Common nettle	<i>Urtica dioica</i>
Hogweed	<i>Heracleum sphondylium</i>
Wild angelica	<i>Angelica sylvestris</i>

Additional information: Tall ruderal vegetation, with some wetland species. Catsick Marsh LWS (5618/8).

Target Note Reference: SK5618 TN4

Survey Date: 16th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5638 1881 Habitat Type(s): Pond

Key Floral Species:-

Reedmace	<i>Typha latifolia</i>
Greater pond sedge	<i>Carex riparia</i>
Hard rush	<i>Juncus inflexus</i>

Additional information: Pond, with island. Little aquatic vegetation, margins and island covered in reedmace, rush and pond sedge as listed. Elms Farm Field LWS 5618/7.

Target Note Reference: SK5618 TN5

Survey Date: 16th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5614 1868 Habitat Type(s): Running water

Key Floral Species:-

Marginal:	
Common reed	<i>Phragmites australis</i>
Great willowherb	<i>Epilobium hirsutum</i>

Purple-loosestrife	<i>Lythrum salicaria</i>
Reed canary grass	<i>Phalaris arundinacea</i>
Arrowhead	<i>Sagittaria sagittifolia</i>
Yellow iris	<i>Iris pseudacorus</i>
Wild angelica	<i>Angelica sylvestris</i>
Greater pond sedge	<i>Carex riparia</i>
<i>Aquatic:</i>	
Common duckweed	<i>Lemna minor</i>
Floating pennywort	<i>Hydrocotyle ranunculoides</i>

Additional information: Grand Union Canal, Leicester navigation.

Target Note Reference: SK5618 TN6

Survey Date: 16th October 2011 *Surveyor:* Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5602 1865 *Habitat Type(s):* Poor semi-improved grassland

Key Floral Species:-

Grassland:

False oat grass	<i>Arrhenatherum elatius</i>
Cow parsley	<i>Anthriscus sylvestris</i>
Common nettle	<i>Urtica dioica</i>
Creeping thistle	<i>Cirsium arvense</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Great willowherb	<i>Epilobium hirsutum</i>
Cock's foot	<i>Dactylis glomerata</i>
Creeping cinquefoil	<i>Potentilla reptans</i>
Red clover	<i>Trifolium pratense</i>
Wild angelica	<i>Angelica sylvestris</i>
Bramble	<i>Rubus fruticosus</i>
Lombardy poplar	<i>Populus nigra italica</i>

Additional information: Quorn Fields Farm Marsh LWS W/5618/6. No access was possible, but could be observed from outside. Fields now appear to be poor quality semi-improved grassland, with scattered Lombardy poplar.

1km Grid Square SK5619

Target Note Reference: SK5619 TN1

Survey Date: 16th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM
Grid Reference: SK 5624 1929 Habitat Type(s): Poor semi-improved grassland,
improved grassland

Key Floral Species:-

Grassland:

Cocks foot

Yorkshire fog

Creeping bent

Red fescue

Creeping thistle

Teasel

Common sorrel

Creeping buttercup

White clover

Dandelion

Holcus lanatus

Agrostis stolonifera

Festuca rubra

Cirsium arvense

Dipsacus fullonum

Rumex acetosa

Ranunculus repens

Trifolium repens

Taraxacum officinale

Additional information: Fields Northwest of Ryecroft Farm LWS: W 5619/1. Species recorded indicative of species-poor semi-improved grassland.

1km Grid Square SK5712Target Note Reference: SK5712 TN1

Survey Date: 8th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5779 1226 Habitat Type(s): Parkland

Key Floral Species:-

Pedunculate Oak *Quercus robur*

Turkish Oak *Quercus cerris*

Small Leaved Lime *Tilia cordata*

Ash *Fraxinus excelsior*

Yorkshire Fog *Holcus lanatus*

Cocks foot *Dactylis glomerata*

Perennial Rye *Lolium perenne*

Crested Dogstail *Cynosurus cristatus*

Meadow Foxtail *Alopecurus pratensis*

Additional information: Parkland with ungrazed grassland. Scattered broadleaved trees throughout, plus a few conifers.

Target Note Reference: SK5712 TN2

Survey Date: 8th June 2010 Surveyor: John Moore PhD MIEEM

Grid Reference: SK 5771 1215 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Common Duckweed *Lemna minor*

Amphibious Bistort *Persicaria amphibia*

Branched Bur-reed *Sparganium erectum*

Water Forget-me-not *Myosotis scorpioides*

Reed Canary-grass *Phalaris arundinacea*

Additional information: Murky pond, tall ruderal margin.

1km Grid Square SK5714**Target Note Reference: SK5714 TN1**Survey Date: 2nd August 2010

Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5706 1471

Habitat Type(s): Broadleaved woodland with extensive areas of tall ruderal and dense scrub

Key Floral Species:-

Pedunculate Oak

Quercus robur

Hazel

Corylus avellana

Hawthorn

Crataegus monogyna

Rowan

Sorbus aucuparia

Gorse

Ulex europaeus

Bracken

Pteridium aquilinum

Bramble

Rubus fruticosus agg.

Apple

Malus sylvestris sens. lat.

Additional information: Scattered broadleaved trees in tall ruderal shading into open broadleaved oak woodland. Some *Malus* on woodland edge. Part of LWS W 5614/12 Bond Lane Wood.

Target Note Reference: SK5714 TN2Survey Date: 2nd November 2011 Surveyor: Steve Ralph MIEEM

Grid Reference: SK 5766 1456 Habitat Type(s): Poor semi-improved grassland

Key Floral Species:-

Creeping Thistle

Cirsium arvense

Broad-leaved Dock

Rumex obtusifolius

Dandelion

Taraxacum officinale agg.

Cock's-foot

Dactylis glomerata

Common Nettle

Urtica dioica

Common Field-speedwell

*Veronica persica***Target Note Reference: SK5714 TN3**Survey Date: 2nd November 2011

Surveyor: Steve Ralph MIEEM

Grid Reference: SK 5765 1449

Habitat Type(s): Poor semi-improved grassland

Key Floral Species:-

Cock's-foot

Dactylis glomerata

Yorkshire-fog

Holcus lanatus

Perennial Rye-grass

Lolium perenne

False Oat-grass

Arrhenatherum elatius

Common Ragwort

Senecio jacobaea

Dandelion

Taraxacum officinale agg.

Ribwort Plantain

Plantago lanceolata

a common mouse-ear

Cerastium fontanum ssp. *vulgare*

Red Fescue

Festuca rubra agg.

Field Bindweed

Convolvulus arvensis

Broad-leaved Dock

Rumex obtusifolius

Hairy Tare

Vicia hirsuta

1km Grid Square SK5715Target Note Reference: SK5715 TN1

Survey Date: 2nd August 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5740 1584 Habitat Type(s): Tall ruderal

Key Floral Species:-

Great Willowherb	<i>Epilobium hirsutum</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Reedmace	<i>Typha latifolia</i>
Gipsywort	<i>Lycopus europaeus</i>
Fool's Water-cress	<i>Apium nodiflorum</i>
Garden Angelica	<i>Angelica archangelica</i>

Additional information: Area of tall ruderal with small stream developing. Stream with extensive patches of great willowherb, gipsywort and occasional angelica.

Target Note Reference: SK5715 TN2

Survey Date: 2nd November 2011 Surveyor: Steve Ralph MIEEM

Grid Reference: SK 5777 1562 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Red Dead-nettle	<i>Lamium purpureum</i>
Red Fescue	<i>Festuca rubra</i> agg.
Perennial Rye-grass	<i>Lolium perenne</i>
Soft Rush	<i>Juncus effusus</i>
Cock's-foot	<i>Dactylis glomerata</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Common Sorrel	<i>Rumex acetosa</i>
Curled Dock	<i>Rumex crispus</i>
Common Ragwort	<i>Senecio jacobaea</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>
Cleavers	<i>Galium aparine</i>
Creeping Thistle	<i>Cirsium arvense</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
a goosefoot	<i>Atriplex prostrata</i> agg.
Creeping Buttercup	<i>Ranunculus repens</i>
Spear Thistle	<i>Cirsium vulgare</i>

Smooth Sow-thistle

*Sonchus oleraceus*Target Note Reference: SK5715 TN3

Survey Date: 2nd August 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5791 1590 Habitat Type(s): Running water

Key Floral Species:-

Reed sweet-grass	<i>Glyceria maxima</i>
Yellow water-lily	<i>Nuphar lutea</i>
Unbranched bur-reed	<i>Sparganium emersum</i>
Common club-rush	<i>Schoenoplectus lacustris</i>
Water starwort	<i>Callitriche stagnalis</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Arrowhead	<i>Sagittaria sagittifolia</i>
Floating Pennywort	<i>Hydrocotyle ranunculoides</i>
Great willowherb	<i>Epilobium hirsutum</i>
Creeping Thistle	<i>Cirsium arvense</i>
Himalayan Balsam	<i>Impatiens glandulifera</i>

1km Grid Square SK5716Target Note Reference: SK5716 TN1Survey Date: 2nd September 2010 Surveyor: Tim Smith

Grid Reference: SK 5748 1699 – SK 5769 1681

Habitat Type(s): Running water

Key Floral Species:-

Branched Bur-reed	<i>Sparganium erectum</i>
Purple-loosestrife	<i>Lythrum salicaria</i>
Common Duckweed	<i>Lemna minor</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Reed Sweet-grass	<i>Glyceria maxima</i>
Unbranched Bur-reed	<i>Sparganium emersum</i>
Common Club-rush	<i>Schoenoplectus lacustris</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Yellow Water-lily	<i>Nuphar lutea</i>

Additional information: Part of Grand Union CanalTarget Note Reference: SK5716 TN2Survey Date: 2nd September 2010 Surveyor: Tim Smith

Grid Reference: SK 5787 1682 Habitat Type(s): Running water

Key Floral Species:-

Common Club-rush	<i>Schoenoplectus lacustris</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Branched Bur-reed	<i>Sparganium erectum</i>
Unbranched Bur-reed	<i>Sparganium emersum</i>
Yellow Water-lily	<i>Nuphar lutea</i>
Arrowhead	<i>Sagittaria sagittifolia</i>
Reed Sweet-grass	<i>Glyceria maxima</i>
Common Water-starwort	<i>Callitriche stagnalis</i>
Orange Balsam	<i>Impatiens capensis</i>
Water-pepper	<i>Persicaria hydropiper</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Marsh Woundwort	<i>Stachys palustris</i>
Gipsywort	<i>Lycopus europaeus</i>
Bur-marigold	<i>Bidens sp.</i>
Common Reed	<i>Phragmites australis</i>

Water cress
 Floating Pennywort
 Flowering Rush
 Water Forget-me-not
 Himalayan Balsam
 Hard Rush
 Greater Yellow-cress
 Garden Angelica

Rorippa nasturtium-aquaticum agg.
Hydrocotyle ranunculoides
Butomus umbellatus
Myosotis scorpioides
Impatiens glandulifera
Juncus inflexus
Rorippa amphibia
Angelica archangelica

Additional information: Section of River Soar (LWS: S.2.7) with aquatic and marginal plants.Target Note Reference: SK5716 TN3Survey Date: 2nd September 2010 Surveyor: Tim Smith

Grid Reference: SK 5771 1672 Habitat Type(s): Running water

Key Floral Species:-

Common Club-rush	<i>Schoenoplectus lacustris</i>
Yellow Water-lily	<i>Nuphar lutea</i>
Floating Pennywort	<i>Hydrocotyle ranunculoides</i>
Branched Bur-reed	<i>Sparganium erectum</i>
Reed Sweet-grass	<i>Glyceria maxima</i>

Additional information: River Soar (LWS S.2.7) below weir.Target Note Reference: SK5716 TN4Survey Date: 2nd September 2010 Surveyor: Tim Smith

Grid Reference: SK 5737 1629 Habitat Type(s): Running water

Key Floral Species:-

Common Club-rush	<i>Schoenoplectus lacustris</i>
Floating Pennywort	<i>Hydrocotyle ranunculoides</i>
Branched Bur-reed	<i>Sparganium erectum</i>
Yellow Water-lily	<i>Nuphar lutea</i>
Unbranched Bur-reed	<i>Sparganium emersum</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Arrowhead	<i>Sagittaria sagittifolia</i>
Reed Sweet-grass	<i>Glyceria maxima</i>
Water-pepper	<i>Persicaria hydropiper</i>

Great Willowherb

*Epilobium hirsutum**Additional information:* Section of River Soar (LWS: S.2.7)Target Note Reference: SK5716 TN5*Survey Date:* 2nd September 2010*Surveyor:* Tim Smith*Grid Reference:* SK 5797 1606 *Habitat Type(s):* Running water*Key Floral Species:-*

Common Club-rush

Schoenoplectus lacustris

Reed Canary-grass

Phalaris arundinacea

Branched Bur-reed

Sparganium erectum

Unbranched Bur-reed

Sparganium emersum

Yellow Water-lily

Nuphar lutea

Arrowhead

Sagittaria sagittifolia

Reed Sweet-grass

Glyceria maxima

Common Water-starwort

Callitriche stagnalis

Orange Balsam

Impatiens capensis

Water-pepper

Persicaria hydropiper

Great Willowherb

Epilobium hirsutum

Marsh Woundwort

Stachys palustris

Gipsywort

Lycopus europaeus

Bur-marigold

Bidens sp.

Common Reed

Phragmites australis

Water cress

Rorippa nasturtium-aquaticum agg.

Floating Pennywort

Hydrocotyle ranunculoides

Flowering Rush

Butomus umbellatus

Water Forget-me-not

Myosotis scorpioides

Himalayan Balsam

Impatiens glandulifera

Hard Rush

Juncus inflexus

Greater Yellow-cress

Rorippa amphibia

Garden Angelica

*Angelica archangelica**Additional information:* Section of River Soar (LWS: S.2.7) with aquatic and marginal plants.Target Note Reference: SK5716 TN6*Survey Date:* 26th January 2012*Surveyor:* Alison Sharkey MSc Grad IEEM*Grid Reference:* SK 5730 1682 *Habitat Type(s):* Semi-improved neutral grassland*Key Floral Species:-*

False Oat-grass

Arrhenatherum elatius

Cock's-foot

Dactylis glomerata

Yorkshire-fog

Holcus lanatus

Red Fescue

Festuca rubra ssp. litoralis

Creeping Buttercup

Ranunculus repens

White Clover

Trifolium repens

Common Sorrel

Rumex acetosa

Tufted Hair-grass

Deschampsia caespitosa

Common mouse-ear

Cerastium fontanum ssp. vulgare

Dandelion

Taraxacum officinale agg.

Stitchwort

*Stellaria sp.**Additional information:* Part of LWS W5716/1. Due to time of survey the stitchwort could not be confidently identified to species level.Target Note Reference: SK5716 TN7*Survey Date:* 26th January 2012*Surveyor:* Alison Sharkey MSc Grad IEEM*Grid Reference:* SK 5720 1687 *Habitat Type(s):* Semi-improved neutral grassland*Key Floral Species:-*

Common mouse-ear

Cerastium fontanum ssp. vulgare

Tufted Hair-grass

Deschampsia caespitosa

White Clover

Trifolium repens

False Oat-grass

Arrhenatherum elatius

Stitchwort

Stellaria sp.

Yorkshire-fog

Holcus lanatus

Creeping Buttercup

Ranunculus repens

Common Sorrel

Rumex acetosa

Dandelion

Taraxacum officinale agg.

Cock's-foot

Dactylis glomerata

Red Fescue

*Festuca rubra ssp. litoralis**Additional information:* Part of LWS W5716/1. Due to time of survey the stitchwort could not be confidently identified to species level.

Target Note Reference: SK5716 TN8

Survey Date: 26th January 2012 Surveyor: Alison Sharkey MSc Grad IEEM

Grid Reference: SK 5729 1662 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Yorkshire-fog	<i>Holcus lanatus</i>
Cock's-foot	<i>Dactylis glomerata</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
White Clover	<i>Trifolium repens</i>
Dandelion	<i>Taraxacum officinale</i> agg.
Creeping Thistle	<i>Cirsium arvense</i>
Common Sorrel	<i>Rumex acetosa</i>
Common Ivy	<i>Hedera helix</i> ssp. <i>helix</i>
Dove's-foot Crane's-bill	<i>Geranium molle</i>
Black Medick	<i>Medicago lupulina</i>
Common Cat's-ear	<i>Hypochaeris radicata</i>
Meadow Vetchling	<i>Lathyrus pratensis</i>
Herb-robert	<i>Geranium robertianum</i>
Red Fescue	<i>Festuca rubra</i> ssp. <i>litoralis</i>
Meadow Buttercup	<i>Ranunculus acris</i>
Ribwort Plantain	<i>Plantago lanceolata</i>

Additional information: Part of LWS 5716/2. The standing water in this field was surveyed and found to contain no vegetation.

Target Note Reference: SK5716 TN9

Survey Date: 26th January 2012 Surveyor: Alison Sharkey MSc Grad IEEM

Grid Reference: SK 5721 1668 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Red Fescue	<i>Festuca rubra</i> ssp. <i>litoralis</i>
Meadow Buttercup	<i>Ranunculus acris</i>
Dove's-foot Crane's-bill	<i>Geranium molle</i>
Common Cat's-ear	<i>Hypochaeris radicata</i>
Dandelion	<i>Taraxacum officinale</i> agg.
Ribwort Plantain	<i>Plantago lanceolata</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Cock's-foot	<i>Dactylis glomerata</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
White Clover	<i>Trifolium repens</i>

Creeping Thistle
Common Sorrel
Common Ivy
Black Medick
Meadow Vetchling
Herb-robert
Common Knapweed

Cirsium arvense
Rumex acetosa
Hedera helix ssp. *helix*
Medicago lupulina
Lathyrus pratensis
Geranium robertianum
Centaurea nigra

Additional information: Part of LWS 5716/2.

Target Note Reference: SK5716 TN10

Survey Date: 26th January 2012 Surveyor: Alison Sharkey MSc Grad IEEM

Grid Reference: SK 5718 1661 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Bittersweet	<i>Solanum dulcamara</i>
Common Sorrel	<i>Rumex acetosa</i>
Dove's-foot Crane's-bill	<i>Geranium molle</i>
Cock's-foot	<i>Dactylis glomerata</i>
Red Fescue	<i>Festuca rubra</i> ssp. <i>litoralis</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
Meadow Vetchling	<i>Lathyrus pratensis</i>

Additional information: Part of LWS 5716/2.

1km Grid Square SK5717Target Note Reference: SK5717 TN1Survey Date: 2nd September 2010 Surveyor: Tim Smith

Grid Reference: SK 5701 1763 – SK 5725 1740

Habitat Type(s): Running water

Key Floral Species:-

Branched Bur-reed	<i>Sparganium erectum</i>
Yellow Iris	<i>Iris pseudacorus</i>
Reedmace	<i>Typha latifolia</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Floating Pennywort	<i>Hydrocotyle ranunculoides</i>
Unbranched Bur-reed	<i>Sparganium emersum</i>
Yellow Water-lily	<i>Nuphar lutea</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Arrowhead	<i>Sagittaria sagittifolia</i>
Reed Sweet-grass	<i>Glyceria maxima</i>
Common Water-starwort	<i>Callitriche stagnalis</i>
Orange Balsam	<i>Impatiens capensis</i>
Water-pepper	<i>Persicaria hydropiper</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Marsh Woundwort	<i>Stachys palustris</i>
Gipsywort	<i>Lycopus europaeus</i>
Bur-marigold	<i>Bidens sp.</i>
Common Reed	<i>Phragmites australis</i>
Nuttall's Water-weed	<i>Elodea nuttallii</i>
Water Figwort	<i>Scrophularia auriculata</i>
Purple-loosestrife	<i>Lythrum salicaria</i>
Hedge Bindweed	<i>Cabystegia sepium</i>
Yellow Iris	<i>Iris pseudacorus</i>
a sedge	<i>Carex sp.</i>
Water Chickweed	<i>Myosoton aquaticum</i>
Wild Angelica	<i>Angelica sylvestris</i>
Water Mint	<i>Mentha aquatica</i>
Common Comfrey	<i>Symphytum officinale</i>

Additional information: River Soar (LWS: S.2.7) with aquatic and marginal vegetation.

Target Note Reference: SK5717 TN2Survey Date: 2nd September 2010 Surveyor: Tim Smith

Grid Reference: SK 5714 1749 Habitat Type(s): Running water

Key Floral Species:-

Branched Bur-reed	<i>Sparganium erectum</i>
Reedmace	<i>Typha latifolia</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Floating Pennywort	<i>Hydrocotyle ranunculoides</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Orange Balsam	<i>Impatiens capensis</i>
Common Reed	<i>Phragmites australis</i>
Purple-loosestrife	<i>Lythrum salicaria</i>
Common Duckweed	<i>Lemna minor</i>

Additional information: Ditch parallel to towpath, partly lined by trees and shrubs (including willow pollards).

Target Note Reference: SK5717 TN3Survey Date: 2nd September 2010 Surveyor: Tim Smith

Grid Reference: SK 5720 1732 Habitat Type(s): Running water

Key Floral Species:-

Common Club-rush	<i>Schoenoplectus lacustris</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Branched Bur-reed	<i>Sparganium erectum</i>
Unbranched Bur-reed	<i>Sparganium emersum</i>
Yellow Water-lily	<i>Nuphar lutea</i>
Arrowhead	<i>Sagittaria sagittifolia</i>
Reed Sweet-grass	<i>Glyceria maxima</i>
Common Water-starwort	<i>Callitriche stagnalis sens.lat.</i>
Orange Balsam	<i>Impatiens capensis</i>
Water-pepper	<i>Persicaria hydropiper</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Marsh Woundwort	<i>Stachys palustris</i>
Gipsywort	<i>Lycopus europaeus</i>
Bur-marigold	<i>Bidens sp.</i>
Common Reed	<i>Phragmites australis</i>
Water cress	<i>Rorippa nasturtium-aquaticum agg.</i>
Floating Pennywort	<i>Hydrocotyle ranunculoides</i>

Flowering Rush	<i>Butomus umbellatus</i>
Water Forget-me-not	<i>Myosotis scorpioides</i>
Himalayan Balsam	<i>Impatiens glandulifera</i>
Hard Rush	<i>Juncus inflexus</i>
Greater Yellow-cress	<i>Rorippa amphibia</i>
Garden Angelica	<i>Angelica archangelica</i>

Additional information: Section of River Soar (LWS: S.2.7) with aquatic and marginal plants.

Target Note Reference: SK5717 TN4

Survey Date: 2nd September 2010

Surveyor: Tim Smith

Grid Reference: SK 5724 1730 – SK 5748 1701

Habitat Type(s): Running water

Key Floral Species:-

Branched Bur-reed	<i>Sparganium erectum</i>
Purple-loosestrife	<i>Lythrum salicaria</i>
Common Duckweed	<i>Lemna minor</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Reed Sweet-grass	<i>Glyceria maxima</i>
Unbranched Bur-reed	<i>Sparganium emersum</i>
Common Club-rush	<i>Schoenoplectus lacustris</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Yellow Water-lily	<i>Nuphar lutea</i>

Additional information: Part of Grand Union Canal.

Target Note Reference: SK5721 TN1

Survey Date: 27th July 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5760 2175 Habitat Type(s): Standing water Eutrophic (pond)

Key Floral Species:-

Curled Dock	<i>Rumex crispus</i>	(Also on banks)
Brooklime	<i>Veronica beccabunga</i>	
Bittersweet	<i>Solanum dulcamara</i>	

Banks:

Lesser Burdock	<i>Arctium minus</i>
Creeping thistle	<i>Cirsium arvense</i>
Ivy	<i>Hedera helix</i>
Dogs mercury	<i>Mercurialis perennis</i>
Wood Avens	<i>Geum urbanum</i>
Ash	<i>Fraxinus excelsior</i>
Sycamore	<i>Acer pseudoplatanus</i>

Additional information: Pond, 4m x 10m. The water level at time of observation was probably higher than usual.

1km Grid Square SK5809Target Note Reference: SK5809 TN1Survey Date: 11th October 2011

Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5857 0902 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Common Knapweed	<i>Centaurea nigra</i>
Crested Dog's-tail	<i>Cynosurus cristatus</i>
Red Clover	<i>Trifolium pratense</i>
Autumnal Hawkbit	<i>Leontodon autumnalis</i>
Selfheal	<i>Prunella vulgaris</i>
Cock's-foot	<i>Dactylis glomerata</i>
White Clover	<i>Trifolium repens</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Timothy	<i>Phleum pratense sens.lat.</i>
Hop Trefoil	<i>Trifolium campestre</i>
Red Fescue	<i>Festuca rubra agg.</i>
Common Bent	<i>Agrostis capillaris</i>
Creeping Thistle	<i>Cirsium arvense</i>
Dandelion	<i>Taraxacum officinale agg.</i>
Hedge Mustard	<i>Sisymbrium officinale</i>
Common Nettle	<i>Urtica dioica</i>
a common mouse-ear	<i>Cerastium fontanum ssp. vulgare</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>
Yarrow	<i>Achillea millefolium</i>
Common Sorrel	<i>Rumex acetosa</i>
Lady's Bedstraw	<i>Galium verum</i>

Additional information: Recommend re-survey against LWS criteria at a later date.

Target Note Reference: SK5809 TN2Survey Date: 11th October 2011

Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5859 0923 Habitat Type(s): Poor semi-improved grassland

Key Floral Species:-

Crested Dog's-tail	<i>Cynosurus cristatus</i>
Cock's-foot	<i>Dactylis glomerata</i>

Creeping Bent	<i>Agrostis stolonifera</i>
Common Nettle	<i>Urtica dioica</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Creeping Thistle	<i>Cirsium arvense</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Yarrow	<i>Achillea millefolium</i>
Dandelion	<i>Taraxacum officinale agg.</i>
White Clover	<i>Trifolium repens</i>
Creeping Buttercup	<i>Ranunculus repens</i>

Additional information: Railway line edges at crossing, part of LWS W5810/1.

1km Grid Square SK5813**Target Note Reference: SK5813 TN1**

Survey Date: 8th June 2010 *Surveyor:* John Moore PhD MIEEM

Grid Reference: SK 5812 1357 *Habitat Type(s):* Poor semi-improved grassland

Key Floral Species:-

Hard Rush	<i>Juncus inflexus</i>
Soft Rush	<i>Juncus effusus</i>
Red Fescue	<i>Festuca rubra</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
Hairy Tare	<i>Vicia hirsuta</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information: Species poor neutral grassland in and around balancing area. Some hawthorn scrub, invaded by hard rush.

Target Note Reference: SK5813 TN2

Survey Date: 27th July 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 5898 1333 *Habitat Type(s):* Stream (RW)

Key Floral Species:-

Reed Canary-grass	<i>Phalaris arundinacea</i>
Branched Bur-reed	<i>Sparganium emersum</i>
Flowering Rush	<i>Butomus umbellatus</i>
Common Water-starwort	<i>Callitriche hamulata sens.lat.</i>
Common Nettle	<i>Urtica dioica</i>

Additional information: Part of the Farnham Bridge Marsh LWS.

1km Grid Square SK5814Target Note Reference: SK5814 TN1

Survey Date: 15th June 2011 *Surveyor:* Martin Burgess BSc AIEEM

Grid Reference: SK 5802 1475 *Habitat Type(s):* Grassland habitats with some acid grassland

Key Floral Species:-

Sheep's Fescue [agg.]

Festuca ovina agg.

Additional information: Part of Castle Hill LWS (CBC W 5814/2). Mosaic of grassland habitats, mainly poor semi-improved, with remnant small patches of acid grassland dominated by sheep's fescue. Appears to be made land, perhaps quarry spoil, with acid grassland patches confined to rock outcrops.

Target Note Reference: SK5814 TN2

Survey Date: 28th July 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 5895 1495 *Habitat Type(s):* Running water

Aquatic and Marginal species:-

Floating pennywort

Hydrocotyle ranunculoides

Additional information: Infestation of floating pennywort in this area.

1km Grid Square SK5815Target Note Reference: SK5815 TN1

Survey Date: 28th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5837 1577 Habitat Type(s): Standing water

Aquatic and Marginal species:-

Nuttall's Water-weed	<i>Elodea nuttallii</i>
Amphibious Bistort	<i>Persicaria amphibia</i>
Common Duckweed	<i>Lemna minor</i>

Additional information: Blue-tailed damselfly (*Ischnura elegans*) observed.

Target Note Reference: SK5815 TN2

Survey Date: 28th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5830 1591 Habitat Type(s): Semi-improved grassland

Key Floral Species:-

Meadow Barley	<i>Hordeum secalinum</i>
Marsh Foxtail	<i>Alopecurus geniculatus</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Floating Sweet-grass	<i>Glyceria fluitans</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Creeping Thistle	<i>Cirsium arvense</i>
Common Ragwort	<i>Senecio jacobaea</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>

Additional information: Damp grassland with some patches of tall ruderals and suggestions of improvement in the past. Within LWS W5815/13.

Target Note Reference: SK5815 TN3

Survey Date: 28th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5826 1596 Habitat Type(s): Standing water

Aquatic and Marginal species:-

Water Forget-me-not	<i>Myosotis scorpioides</i>
Water-plantain	<i>Alisma plantago-aquatica</i>
Floating pennywort	<i>Hydrocotyle ranunculoides</i>

Bank side species:-

Reed Sweet-grass	<i>Glyceria maxima</i>
Branched Bur-reed	<i>Sparganium erectum</i>
Flowering Rush	<i>Butomus umbellatus</i>

Additional information: Small pool choked up, with little open water, bad infestation of floating pennywort (*Hydrocotyle ranunculoides*).

Target Note Reference: SK 5815 TN4

Survey Date: 28th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5877 1544 Habitat Type(s): Running water

Bank side species:-

Common Nettle	<i>rtica dioica</i>
Creeping Thistle	<i>irsium arvense</i>
Great Willowherb	<i>pilobium hirsutum</i>
Reed Canary-grass	<i>halaris arundinace</i>

Aquatic and Marginal species:-

Common Club-rush	<i>Schoenoplectus lacustris</i>
Branched Bur-reed	<i>Sparganium erectum</i>
Unbranched Bur-reed	<i>Sparganium emersum</i>

Additional information: Slow flowing water with dense strands of vegetation. Part of the River Soar LWS S.2.7.

Target Note Reference: SK5815 TN5

Survey Date: 28th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5885 1563 Habitat Type(s): Running water

Aquatic and Marginal species:-

a water-starwort	<i>Callitriche sp.</i>
------------------	------------------------

Additional information: Ditch with standing water and patches of *Callitriche sp.*

Target Note Reference: SK5815 TN6

Survey Date: 28th July 2010 Surveyor: Mike Poulton AIEEM
 Grid Reference: SK 5868 1535 Habitat Type(s): Running water

Aquatic and Marginal species:-

Branched Bur-reed	<i>Sparganium erectum</i>
Unbranched Bur-reed	<i>Sparganium emersum</i>
Water Figwort	<i>Scrophularia auriculata</i>
<u>Bank side species:-</u>	
Arrowhead	<i>Sagittaria sagittifolia</i>
Himalayan Balsam	<i>Impatiens glandulifera</i>

Additional information: Part of the River Soar LWS.

Target Note Reference: SK5815 TN7

Survey Date: 28th July 2010 Surveyor: Mike Poulton AIEEM
 Grid Reference: SK 5856 1529 Habitat Type(s): Running water

Aquatic and Marginal species:-

Floating pennywort	<i>Hydrocotyle ranunculoides</i>
--------------------	----------------------------------

Additional information: Extensive patches of floating pennywort, much of it removed from the water and piled up on the path. Part of the River Soar LWS S.2.7.

Target Note Reference: SK5815 TN8

Survey Date: 2nd November 2011 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 5890 1568 Habitat Type(s): Standing water

Aquatic and Marginal species:-

Reed Canary-grass	<i>Phragmites australis</i>
<u>Bank side species:-</u>	
Creeping Bent	<i>Agrostis stolonifera</i>
Bittersweet	<i>Solanum dulcamara</i>
Common Nettle	<i>Urtica dioica</i>
Cleavers	<i>Galium aparine</i>
Crack Willow	<i>Salix fragilis</i>

Additional information: Dry pond approximately 8 m x 5 m. some marginal vegetation which indicates the presence of dampness. Additionally there are four Crack Willow trees shading the pond. Within LWS W5915/3.

Target Note Reference: SK 5815 TN9

Survey Date: 2nd November 2011 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 5818 1563 Habitat Type(s): Standing water

Key floral species:-

Reed Canary-grass	<i>Phragmites australis</i>
Reedmace	<i>Typha latifolia</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>
a water-starwort	<i>Callitriche sp.</i>
Cuckoo-flower	<i>Cardamine pratensis</i>
Bramble	<i>Rubus fruticosus agg.</i>
Water-plantain	<i>Alisma plantago-aquatica</i>
Gypsywort	<i>Lycopus europaeus</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Scarlet Pimpernel	<i>Anagallis arvensis</i>
Dog Rose	<i>Rosa canina agg.</i>
Bittersweet	<i>Solanum dulcamara</i>

Additional information: Pond approximately 4 m x 5 m. Area around the pond was observed to be poached, indicating the presence of cattle.

1km Grid Square SK5816Target Note Reference: SK5816 TN1Survey Date: 2nd Sept 2010 Surveyor: Tim Smith

Grid Reference: SK 5802 1683 Habitat Type(s): Running water

Key Floral Species:-

Reed sweet-grass	<i>Glyceria maxima</i>
Branched bur-reed	<i>Sparganium erectum</i>
Water forget-me-not	<i>Myosotis scorpioides</i>
Gipsywort	<i>Lycopus europaeus</i>
Brooklime	<i>Veronica beccabunga</i>
Great willowherb	<i>Epilobium hirsutum</i>
Water pepper	<i>Persicaria hydropiper</i>
Water mint	<i>Mentha aquatica</i>
Yellow water-lily	<i>Nuphar lutea</i>
Unbranched bur-reed	<i>Sparganium emersum</i>
Common club-rush	<i>Schoenoplectus lacustris</i>
Water starwort	<i>Callitriche stagnalis</i>
Great yellow-cress	<i>Rorippa amphibia</i>
Hard rush	<i>Juncus inflexus</i>
Floating pennywort	<i>Hydrocotyle ranunculooides</i>
Marsh woundwort	<i>Stachys palustris</i>
Bur-marigold spp.	<i>Bidens</i> spp.
Fools water cress	<i>Apium nodiflorum</i>
Creeping bent	<i>Agrostis stolonifera</i>
Water cress	<i>Nasturtium officinale</i> agg.
Great pond sedge	<i>Carex riparia</i>
Amphibious bistort	<i>Persicaria amphibia</i>
Common duckweed	<i>Lemna minor</i>
Creeping yellow-cress	<i>Rorippa sylvestris</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Clustered dock	<i>Rumex conglomeratus</i>
Tufted hair-grass	<i>Deschampsia caespitosa</i>
Common reed	<i>Phragmites australis</i>
Garden angelica	<i>Angelica archangelica</i>

Additional information: Section of the River Soar with aquatic and marginal vegetation.
Part of LWS S.2.7.

Target Note Reference: SK5816 TN2Survey Date: 2nd Sept 2010 Surveyor: Tim Smith

Grid Reference: SK 5838 1623 Habitat Type(s): Running water

Key Floral Species:-

Common club-rush	<i>Schoenoplectus lacustris</i>
Great willowherb	<i>Epilobium hirsutum</i>
Reed canary-grass	<i>Phalaris arundinacea</i>
Unbranched bur-reed	<i>Sparganium emersum</i>
Branched bur-reed	<i>Sparganium erectum</i>
Arrowhead	<i>Sagittaria sagittifolia</i>
Garden angelica	<i>Angelica archangelica</i>
Floating pennywort	<i>Hydrocotyle ranunculooides</i>

Additional information: A tributary of the River Soar; wide flowing watercourse. Part of LWS S.2.7.

Target Note Reference: SK5816 TN3Survey Date: 2nd Sept 2010 Surveyor: Tim Smith

Grid Reference: SK 5868 1637 Habitat Type(s): Marshy grassland/Tall swamp

Comprises two fields:

Key Floral Species:-

Eastern-most field

Great pond-sedge	<i>Carex riparia</i>	Dominant
Great willowherb	<i>Epilobium hirsutum</i>	
Meadowsweet	<i>Filipendula ulmaria</i>	
Wild angelica	<i>Angelica sylvestris</i>	
Hop	<i>Humulus lupulus</i>	
Reed canary-grass	<i>Phalaris arundinacea</i>	
Water figwort	<i>Scrophularia auriculata</i>	
Marsh woundwort	<i>Stachys palustris</i>	
Hedge bindweed	<i>Calystegia sepium</i>	
Bittersweet	<i>Solanum dulcamara</i>	
Water dock	<i>Rumex hydrolapathum</i>	
Marsh horsetail	<i>Equisetum palustre</i>	

Cont over...

Western-most field

Drier version of above:

Wild angelica	<i>Angelica sylvestris</i>
Great willowherb	<i>Epilobium hirsutum</i>
Meadow vetchling	<i>Lathyrus pratensis</i>
Creeping thistle	<i>Cirsium arvense</i>
Meadowsweet	<i>Filipendula ulmaria</i>
False oat-grass	<i>Arrhenatherum elatius</i>
False fox-sedge	<i>Carex otrubae</i>
Hard rush	<i>Juncus inflexus</i>
Amphibious bistort	<i>Persicaria amphibia</i>
Tall fescue	<i>Festuca arundinacea</i>
Cat's tail	<i>Hypochaeris radicata</i>

Additional information: Pond present in western-most field – full of reedmace (*Typha latifolia*).

1km Grid Square SK5818Target Note Reference: SK5818 TN1

Survey Date: 12th July 2010 Surveyor: Jane Carruthers BSc

Grid Reference: SK 5820 1873 Habitat Type(s): Species-rich hedgerow with eight woody species

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>	Dominant
Blackthorn	<i>Prunus spinosa</i>	Rare
Ash	<i>Fraxinus excelsior</i>	Occasional
Field Maple	<i>Acer campestre</i>	Occasional
Guelder Rose	<i>Viburnum opulus</i>	Occasional
Bramble	<i>Rubus fruticosus</i> agg.	Frequent
Ivy	<i>Hedera helix</i>	Occasional
Black Bryony	<i>Tamus communis</i>	Occasional
Apple	<i>Malus sylvestris</i> sens. lat.	Occasional
Elder	<i>Sambucus nigra</i>	Occasional
Crack Willow	<i>Salix fragilis</i>	Rare
Dog Rose	<i>Rosa canina</i>	Frequent

Target Note Reference: SK5818 TN2

Survey Date: 12th July 2010 Surveyor: Jane Carruthers BSc

Grid Reference: SK 5804 1814 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Common Birds Foot Trefoil	<i>Lotus corniculatus</i>	Frequent
Cock's Foot	<i>Dactylis glomerata</i>	Occasional
Red Clover	<i>Trifolium pratense</i>	Abundant
Creeping Thistle	<i>Cirsium arvense</i>	Occasional
False Oat Grass	<i>Arrhenatherum elatius</i>	Abundant
White Clover	<i>Trifolium repens</i>	Frequent
Common Sorrel	<i>Rumex acetosa</i>	Occasional
Smooth Meadow Grass	<i>Poa pratensis</i> sens. lat.	Occasional
Daisy	<i>Bellis perennis</i>	Occasional
Goat's Beard	<i>Tragopogon pratensis</i>	Rare
Black Medick	<i>Medicago lupulina</i>	Occasional
Crested Dog's-Tail	<i>Cynosurus cristatus</i>	Frequent
Red Fescue	<i>Festuca rubra</i> agg.	Occasional
Beaked Hawk's-Beard	<i>Crepis vesicaria</i>	Frequent

Field Bindweed	<i>Convolvulus arvensis</i>	Occasional
Meadow Barley	<i>Hordeum secalinum</i>	Occasional
Yellow Oat Grass	<i>Trisetum flavescens</i>	Occasional
Yorkshire Fog	<i>Holcus lanatus</i>	Occasional
Common Ragwort	<i>Senecio jacobaea</i>	Occasional
Oxeye Daisy	<i>Leucanthemum vulgare</i>	Abundant
Ribwort Plantain	<i>Plantago lanceolata</i>	Occasional
Hoary Cress	<i>Lepidium draba</i>	Frequent in corners

Additional information: Horse grazed, owned by Barrow Cricket Club.

1km Grid Square SK5819

Target Note Reference: SK5819 TN1

Survey Date: 12th July 2010 Surveyor: Jane Carruthers BSc

Grid Reference: SK 5820 1992 Habitat Type(s): Marginal vegetation on stream side

Key Floral Species:-

Fool's Water Cress	<i>Apium nodiflorum</i>	Frequent
Water Cress	<i>Rorippa nasturtium-aquaticum</i> agg.	Abundant
Great Willowherb	<i>Epilobium hirsutum</i>	Frequent
Brooklime	<i>Veronica beccabunga</i>	Occasional
Water Figwort	<i>Scrophularia auriculata</i>	Occasional

1km Grid Square SK5821

Target Note Reference: SK5821 TN1

Survey Date: 7th July 2012 Surveyor: Steve Ralph Msc MIEEM

Grid Reference: SK 5864 2136 Habitat Type(s): Standing water Eutrophic (pond)

Key Floral Species:-

Floating sweet-grass

Glyceria fluitans

Common duckweed

Lemna minor

Shaded by

Ash

Fraxinus excelsior

Hawthorn

Crataegus monogyna

Additional information: Pond approximately 5m by 5m, bare banks but shaded by low scrub. Not accessible but viewed from a distance.

1km Grid Square SK5823Target Note Reference: SK5823 TN1

Survey Date: 15th April 2010 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5881 2356 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

False Oat Grass	<i>Arrhenatherum elatius</i>
Common Sorrel	<i>Rumex acetosa</i>
Daisy	<i>Bellis perennis</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Meadow Buttercup	<i>Ranunculus acris</i>
Dandelion	<i>Taraxacum officinale</i> agg.
Cuckoo-flower	<i>Cardamine pratensis</i>
Hogweed	<i>Heracleum sphondylium</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Meadow Foxtail	<i>Alopecurus pratensis</i>
White Clover	<i>Trifolium repens</i>
Pignut	<i>Conopodium majus</i>
Field Wood-rush	<i>Luzula campestris</i>
Cow Parsley	<i>Anthriscus sylvestris</i>
Lesser Chickweed	<i>Stellaria pallida</i>
Lesser Celandine	<i>Ranunculus ficaria</i>
Common Mouse-ear	<i>Cerastium fontanum</i> ssp. <i>vulgare</i>

Additional information: Three similar fields divided by fencing, all considered to represent semi-improved neutral grassland.

1km Grid Square SK5908Target Note Reference: SK5908 TN1

Survey Date: 11th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5980 0875 Habitat Type(s): Running water

Aquatic and Marginal species:-

Common Reed	<i>Phragmites australis</i>
Floating Pennywort	<i>Hydrocotyle ranunculoides</i>
Common Duckweed	<i>Lemna minor</i>
Great Willowherb	<i>Epilobium hirsutum</i>
a water-starwort	<i>Callitriche sp.</i>
Great Pond-sedge	<i>Carex riparia</i>

Additional Information: Running water which is up to 6m wide and 1.25m deep with tall ruderal and scattered scrub along the banks. Part of LWS S.2.7.

Target Note Reference: SK5908 TN2

Survey Date: 11th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5980 0884 Habitat Type(s): Broadleaved woodland

Tree species:-

Crack Willow	<i>Salix fragilis</i>
Ash	<i>Fraxinus excelsior</i>

Under canopy species:-

Hawthorn	<i>Crataegus monogyna</i>
Bramble	<i>Rubus fruticosus agg.</i>
Butterfly-bush	<i>Buddleja davidii</i>

Ground species:-

Common Nettle	<i>Urtica dioica</i>
Bittersweet	<i>Solanum dulcamara</i>
Hogweed	<i>Heracleum sphondylium</i>
Corn Parsley	<i>Petroselinum segetum</i>
Ivy	<i>Hedera helix</i>
Cock's-foot	<i>Dactylis glomerata</i>
White Dead-nettle	<i>Lamium album</i>
Herb Bennet	<i>Geum urbanum</i>

Additional Information: Area of broad leaved woodland, part of LWS S.2.7.

Target Note Reference: SK5908 TN3

Survey Date: 11th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5990 0880 Habitat Type(s): Semi-improved neutral grassland

Key floral species:-

Silverweed	<i>Potentilla anserina</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Cock's-foot	<i>Dactylis glomerata</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Timothy	<i>Pbleum pratense sens.lat.</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Meadow Vetchling	<i>Lathyrus pratensis</i>
Common Vetch	<i>Vicia sativa</i>
Dandelion	<i>Taraxacum officinale agg.</i>
White Clover	<i>Trifolium repens</i>
Tufted Vetch	<i>Vicia cracca</i>
Great Willowherb	<i>Epilobium hirsutum</i>

Target Note Reference: SK5908 TN4

Survey Date: 11th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5989 0897 Habitat Type(s): Tall Ruderal

Key floral species:-

Reed Canary-grass	<i>Phalaris arundinacea</i>
Yellow Iris	<i>Iris pseudacorus</i>
Reedmace	<i>Typha latifolia</i>
Great Willowherb	<i>Epilobium hirsutum</i>

Additional information: Area of swamp/tall ruderal marginal vegetation.

Target Note Reference: SK5908 TN5

Survey Date: 11th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5982 0891 Habitat Type(s): Running water

Aquatic and marginal vegetation:-

Himalayan Balsam	<i>Impatiens glandulifera</i>
Common Duckweed	<i>Lemna minor</i>
Great Willowherb	<i>Epilobium hirsutum</i>

Common Reed

Phragmites australis

Additional information: Running water which is part of a canal, the above vegetation was observed close the lock, with little aquatic and marginal vegetation present elsewhere, Part of LWS S.2.7.

1km Grid Square SK5912Target Note Reference: SK5912 TN1

Survey Date: 27th July 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5943 1286 Habitat Type(s): Running water

Aquatic and Marginal species:-

Reed Sweet-grass	<i>Glyceria maxima</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Common Club-rush	<i>Schoenoplectus lacustris</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Bank side species:-	
Common Nettle	<i>Urtica dioica</i>

Additional Information: Running water, part of the River Soar LWS (S.2.7).

Target Note Reference: SK5912 TN2

Survey Date: 27th July 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5939 1274 Habitat Type(s): Standing Water

Aquatic and Marginal species:-

Reed Sweet-grass	<i>Glyceria maxima</i>
------------------	------------------------

Additional Information: Pond, no access, surrounded by conifer trees, with reed sweet-grass in the margins

Target Note Reference: SK5912 TN3

Survey Date: 27th July 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5966 1270 Habitat Type(s): Running Water

Aquatic and Marginal species:-

Reed Sweet-grass	<i>Glyceria maxima</i>
Yellow Water-lily	<i>Nuphar lutea</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Himalayan Balsam	<i>Impatiens glandulifera</i>
Common Club-rush	<i>Schoenoplectus lacustris</i>
Marsh Woundwort	<i>Stachys palustris</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Wild Teasel	<i>Dipsacus fullonum</i>
Bank side species:-	

Crack Willow

Salix fragilis

Ash

Fraxinus excelsior

Additional Information: River 10 m wide. Part of the River Wreake LWS S4.7.

Target Note Reference: SK5912 TN4

Survey Date: 27th July 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5975 1293 Habitat Type(s): Standing Water

Aquatic and Marginal species:-

Reed Sweet-grass	<i>Glyceria maxima</i>
Reedmace	<i>Typha latifolia</i>
Hard Rush	<i>Juncus inflexus</i>
Marsh Woundwort	<i>Stachys palustris</i>
Yellow Water-lily	<i>Nuphar lutea</i>
Arrowhead	<i>Sagittaria sagittifolia</i>
Bank side species:-	
Crack Willow	<i>Salix fragilis</i>

Additional Information: Lake, no access – private fishing.

1km Grid Square SK5913Target Note Reference: SK5913 TN1

Survey Date: 27th July 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5919 1333 Habitat Type(s): Running water

Aquatic and Marginal species:-

Yellow Water-lily	<i>Nuphar lutea</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Branched Bur-reed	<i>Sparganium erectum</i>
Flowering Rush	<i>Butomus umbellatus</i>
Fool's Water-cress	<i>Apium nodiflorum</i>
Bank side species:-	
Common Nettle	<i>Urtica dioica</i>
Greater Burdock	<i>Arctium lappa</i>
Elder	<i>Sambucus nigra</i>
Crack Willow	<i>Salix fragilis</i>

Additional Information: Small stream 5 m wide x 1 m deep maximum. Banded demoiselle (*Calopteryx splendens*) recorded. Part of Rothley Brook LWS (S.2.8).

Target Note Reference: SK5913 TN2

Survey Date: 27th July 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5990 1313

Habitat Type(s): Semi-improved grassland (species-poor)

Key Floral Species:-

Yorkshire-fog	<i>Holcus lanatus</i>
Common Couch	<i>Elytrigia repens</i>
Spear Thistle	<i>Cirsium vulgare</i>
Creeping Thistle	<i>Cirsium arvense</i>
Common Ragwort	<i>Senecio jacobaea</i>
White Clover	<i>Trifolium repens</i>
Red Clover	<i>Trifolium pratense</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Curled Dock	<i>Rumex crispus</i>
Common mouse-ear	<i>Cerastium fontanum ssp. vulgare</i>
Common Nettle	<i>Urtica dioica</i>
Greater Plantain	<i>Plantago major</i>

False Oat-grass	<i>Arrhenatherum elatius</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Silverweed	<i>Potentilla anserina</i>
Marsh Woundwort	<i>Stachys palustris</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Hoary Willowherb	<i>Epilobium parviflorum</i>
Wild Teasel	<i>Dipsacus fullonum</i>
Large Bird's-foot-trefoil	<i>Lotus pedunculatus</i>
Common Vetch	<i>Vicia sativa</i>

Additional Information: Cossington Meadows – Leicestershire and Rutland Wildlife Trust.

Target Note Reference: SK5913 TN3

Survey Date: 27th July 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5988 1346 Habitat Type(s): Standing water

Aquatic and Marginal species:-

Reedmace	<i>Typha latifolia</i>
Common club-rush	<i>Schoenoplectus lacustris</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Bank side species (marshy grassland/ poor semi-improved grassland):-	
Hard Rush	<i>Juncus inflexus</i>
Marsh Woundwort	<i>Stachys palustris</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Curled Dock	<i>Rumex crispus</i>
Yorkshire-fog	<i>Holcus lanatus</i>
White Clover	<i>Trifolium repens</i>
Wild Teasel	<i>Dipsacus fullonum</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Creeping Thistle	<i>Cirsium arvense</i>

Additional Information: Series of ponds – most dry. Within Cossington Meadows – Leicestershire and Rutland Wildlife Trust.

Target Note Reference: SK5913 TN4Survey Date: 27th July 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5995 1335 Habitat Type(s): Dry ditch

Key floral species:-

Reed Sweet-grass	<i>Glyceria maxima</i>
Reedmace	<i>Typha latifolia</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Water Forget-me-not	<i>Myosotis scorpioides</i>
Soft Rush	<i>Juncus effusus</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Creeping Bent	<i>Agrostis stolonifera</i>
With trees:-	
Crack Willow	<i>Salix fragilis</i>
Pedunculate Oak	<i>Quercus robur</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional Information: Dry ditch and dry pond, part of Cossington Meadow ditches.

Target Note Reference: SK5913 TN5Survey Date: 27th July 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5977 1362 Habitat Type(s): Species-rich hedgerow with trees and wet ditch

Key floral species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Dog Rose	<i>Rosa canina</i> agg.
Ash	<i>Fraxinus excelsior</i>
Pedunculate Oak	<i>Quercus robur</i>
Grey Willow	<i>Salix cinerea</i>
Field Maple	<i>Acer campestre</i>
Crab Apple	<i>Malus sylvestris</i>
Bird Cheery	<i>Prunus padus</i>
Wet ditch floral species:-	
Reedmace	<i>Typha latifolia</i>
Branched Bur-reed	<i>Sparganium erectum</i>
Gipsywort	<i>Lycopus europaeus</i>
Water-plantain	<i>Alisma plantago-aquatica</i>
Hard Rush	<i>Juncus inflexus</i>

Hoary Willowherb

Epilobium parviflorum

Additional Information: Hedgerow with trees and wet ditch, part of Cossington Meadow ditches.

Target Note Reference: SK5913 TN6Survey Date: 27th July 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5902 1335 Habitat Type(s): Tall ruderal and scattered scrub

Key floral species:-

Common Ragwort	<i>Senecio jacobaea</i>
Mugwort	<i>Artemisia vulgaris</i>
Creeping Thistle	<i>Cirsium arvense</i>
Hogweed	<i>Heracleum sphondylium</i>
Hoary Willowherb	<i>Epilobium parviflorum</i>
With scrub:-	
Hawthorn	<i>Crataegus monogyna</i>
Elder	<i>Sambucus nigra</i>
Bramble	<i>Rubus fruticosus</i> agg.

Additional Information: Part of Farnham Bridge marsh LWS, no access so survey conducted via binoculars.

Target Note Reference: SK5913 TN7Survey Date: 27th July 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5939 1396 Habitat Type(s): Open water

Bank side species:-

Pedunculate Oak	<i>Quercus robur</i>
Alder	<i>Alnus glutinosa</i>
Hazel	<i>Corylus avellana</i>
Hawthorn	<i>Crataegus monogyna</i>
Wild Privet	<i>Ligustrum vulgare</i>

Additional Information: Open water, lake, no access. Steep sides, possibly former quarry pit. Sides dominated by dense scrub, no marginal/aquatic vegetation.

Target Note Reference: SK5913 TN8

Survey Date: 27th July 2011 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 5942 1304 Habitat Type(s): Running water

Aquatic and marginal species:-

Reed Sweet-grass	<i>Glyceria maxima</i>
Common Club-rush	<i>Schoenoplectus lacustris</i>
Yellow Water-lily	<i>Nuphar lutea</i>
Branched Bur-reed	<i>Sparganium erectum</i>

Bank side species:-

Common Nettle	<i>Urtica dioica</i>
Creeping Thistle	<i>Cirsium arvense</i>
Wild Teasel	<i>Dipsacus fullonum</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>

Frequent in margins:-

Floating Pennywort	<i>Hydrocotyle ranunculoides</i>
--------------------	----------------------------------

Additional Information: Part of the River Soar LWS S2.7.

Target Note Reference: SK5913 TN9

Survey Date: 27th July 2011 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 5941 1331 Habitat Type(s): Open water

Aquatic and Marginal species:-

Reedmace	<i>Typha latifolia</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>

Additional Information: Part of Cossington Meadows. Grey Heron (*Ardea cinerea*) observed.

Target Note Reference: SK5913 TN10

Survey Date: 13th October 2011 Surveyor: Sarah Love BSc AIEEM
 Grid Reference: SK 5994 1399 Habitat Type(s): Standing water

Aquatic and Marginal species:-

Common duckweed	<i>Lemna minor</i>
Starwort	<i>Callitriche sp.</i>

Bank side species (marshy grassland/poor semi-improved grassland):-

Crack Willow	<i>Salix fragilis</i>
--------------	-----------------------

Common nettle
 Willowherb

Urtica dioica
Epilobium sp.

Additional Information: Small pond at the end of wet ditch, 7m x 5m. Aprox. 30cm deep, very shaded by crack willow with relatively poor floral diversity.

1km Grid Square SK5914**Target Note Reference: SK5914 TN1**

Survey Date: 28th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 5918 1472 *Habitat Type(s):* Running water
Aquatic and Marginal species:-

Common Club-rush	<i>Schoenoplectus lacustris</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Branched Bur-reed	<i>Sparganium erectum</i>
Yellow Water-lily	<i>Nuphar lutea</i>
Floating Pennywort	<i>Hydrocotyle ranunculoides</i>

Additional Information: Densely vegetated water course with infestation of floating pennywort (*Hydrocotyle ranunculoides*). Part of the River Soar LWS S2.7.

Target Note Reference: SK5914 TN2

Survey Date: 28th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 5919 1466 *Habitat Type(s):* Running water
Aquatic and Marginal species:-

Floating Pennywort	<i>Hydrocotyle ranunculoides</i> .
--------------------	------------------------------------

Additional Information: Infestation of floating pennywort (*Hydrocotyle ranunculoides*) at this location. Part of the River Soar LWS S2.7.

Target Note Reference: SK5914 TN3

Survey Date: 28th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 5905 1462 *Habitat Type(s):* Standing water
Marginal species:-

Reedmace	<i>Typha latifolia</i>
Great Willowherb	<i>Epilobium hirsutum</i>

Additional Information: No submerged aquatic vegetation present.

Target Note Reference: SK5914 TN4

Survey Date: 28th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 5935 1473 *Habitat Type(s):* Running water
Aquatic and Marginal species:-

Reed Sweet-grass	<i>Glyceria maxima</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Branched Bur-reed	<i>Sparganium erectum</i>
Common Club-rush	<i>Schoenoplectus lacustris</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Marsh Woundwort	<i>Stachys palustris</i>
Yellow Water-lily	<i>Nuphar lutea</i>
Unbranched Bur-reed	<i>Sparganium emersum</i>
Floating pennywort	<i>Hydrocotyle ranunculoides</i>
<i>Bank side species:-</i>	
Meadowsweet	<i>Filipendula ulmaria</i>
Creeping Thistle	<i>Cirsium arvense</i>
Spear Thistle	<i>Cirsium vulgare</i>
Common Nettle	<i>Urtica dioica</i>
Crack Willow	<i>Salix fragilis</i>

Additional Information: Slow flowing river throughout this section is fringed with strands of emergent vegetation. Patches of floating pennywort appear to be spreading and a particularly prevalent near to Sibley Brook. Part of the River Soar LWS S2.7.

Target Note Reference: SK5914 TN5

Survey Date: 28th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 5953 1429 *Habitat Type(s):* Standing water
Key species:-

White Water-lily	<i>Nymphaea alba</i>
Reedmace	<i>Typha latifolia</i>

Additional Information: Small pool with scrub patches surrounding it.

Target Note Reference: SK5914 TN6

Survey Date: 13th October 2011 Surveyor: Sarah Love BSc AIEEM
 Grid Reference: SK 5946 1491 Habitat Type(s): Species-rich hedgerow with trees
 Key floral species:-

Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Buckthorn	<i>Rhamnus cathartica</i>
Field Maple	<i>Acer campestre</i>
Field Rose	<i>Rosa arvensis</i>
Holly	<i>Ilex aquifolium</i>
Crack Willow	<i>Salix fragilis</i>
English Elm	<i>Ulmus procera</i>

Target Note Reference: SK5914 TN7

Survey Date: 13th October 2011 Surveyor: Sarah Love BSc AIEEM
 Grid Reference: SK 5939 1489 Habitat Type(s): Species-rich hedgerow with trees
 Key floral species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Ash	<i>Fraxinus excelsior</i>
Dog rose	<i>Rosa canina</i>
Buckthorn	<i>Rhamnus cathartica</i>
Field Maple	<i>Acer campestre</i>
Field Rose	<i>Rosa arvensis</i>
Crack Willow	<i>Salix fragilis</i>
Guelder rose	<i>Viburnum opulus</i>

1km Grid Square SK5915**Target Note Reference: SK5915 TN1**

Survey Date: 28th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5919 1584 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Common Reed *Pbragmites australis*

Reed Sweet-grass *Glyceria maxima*

Reed Canary-grass *Pbalaris arundinacea*

Additional Information: Small pond with virtually continuous common reed in marginal areas. In Quebec House Field (1) LWS W5916/2.

Target Note Reference: SK5915 TN2

Survey Date: 28th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5980 1585 Habitat Type(s): Standing water eutrophic

Aquatic and Marginal species:-

Broad-leaved Pondweed *Potamogeton natans*

Additional Information: Small pool covered in broad-leaved pondweed.

Target Note Reference: SK5915 TN3

Survey Date: 28th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5965 1559 Habitat Type(s): Standing water eutrophic

Key species:-

Common Duckweed *Lemma minor*

Water Chickweed *Myosoton aquaticum*

Additional Information: Tiny pool covered in common duckweed.

Target Note Reference: SK5915 TN4

Survey Date: 28th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 5974 1545 Habitat Type(s): Standing water eutrophic

Bank side species:-

Bog-Bean *Menyanthes trifoliata*

Yellow Flag *Iris Pseudacorus*

Aquatic and Marginal species:-

White Water-lily *Nymphaea alba*

Water Hawthorn *Aponogeton distachyos*

Additional Information: Eutrophic pool not on the OS map layer, surveyor suspects deliberate introduction of floral species.

1km Grid Square SK5917Target Note Reference: SK5917 TN1

Survey Date: 2nd September 2010 Surveyor: Tim Smith

Grid Reference: SK 5982 1779

Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Hard rush	<i>Juncus inflexus</i>
Jointed rush	<i>Juncus articulatus</i>
Tufted hair-grass	<i>Deschampsia caespitosa</i>
Floating sweet-grass	<i>Glyceria fluitans</i>
Water plantain	<i>Alisma plantago-aquatica</i>

Additional Information: Cattle poached pond; 6x12m.

Target Note Reference: SK5917 TN2

Survey Date: 2nd September 2010 Surveyor: Tim Smith

Grid Reference: SK 5968 1754 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Jointed rush	<i>Juncus articulatus</i> (Sparse)
--------------	------------------------------------

Additional Information: Cattle poached pond; 6x15m.

1km Grid Square SK5918

Target Note Reference: SK5918 TN1

Survey Date: 24th February 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 5985 1896 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Hard rush	<i>Juncus inflexus</i>	
Reed sweet-grass	<i>Glyceria maxima</i>	
Great willowherb	<i>Epilobium hirsutum</i>	
Reedmace	<i>Typha latifolia</i>	Occasional

Additional Information: Series of ponds, -no access, but visible from road. Occasional scattered scrub surrounds.

1km Grid Square SK5919Target Note Reference: SK5919 TN1

Survey Date: 12th July 2010 Surveyor: Jane Carruthers BSc

Grid Reference: SK 5953 1958 Habitat Type(s): Species-poor semi-improved grassland

Key Floral Species:-

Meadow Fescue	<i>Festuca pratensis</i>	Frequent
Hairy Sedge	<i>Carex hirta</i>	Frequent
Meadow Foxtail	<i>Alopecurus pratensis</i>	Occasional
Hard Rush	<i>Juncus inflexus</i>	Occasional
Wild Angelica	<i>Angelica sylvestris</i>	Occasional
False oat grass	<i>Arrhenatherum elatius</i>	Occasional
Smooth meadow-grass	<i>Poa pratensis sens.lat.</i>	Occasional
Cock's Foot	<i>Dactylis glomerata</i>	Frequent
Yorkshire Fog	<i>Holcus lanatus</i>	Frequent
Common Vetch	<i>Vicia sativa</i>	Frequent
Garlic Mustard	<i>Alliaria petiolata</i>	Rare
Creeping Buttercup	<i>Ranunculus repens</i>	Occasional
Cut-leaved Crane's Bill	<i>Geranium dissectum</i>	Occasional
Common Nettle	<i>Urtica dioica</i>	Occasional
Silverweed	<i>Potentilla anserina</i>	Occasional
Red Clover	<i>Trifolium pratense</i>	Occasional
White Clover	<i>Trifolium repens</i>	Occasional
Field Mouse Ear	<i>Cerastium arvense</i>	Occasional
Chicory	<i>Cichorium intybus</i>	Rare
Ribwort Plantain	<i>Plantago lanceolata</i>	Occasional

Additional Information: Roadside verge damp area.

1km Grid Square SK5921Target Note Reference: SK5921 TN1

Survey Date: 11th May 2011 Surveyor: Zoe Jackson MSc Grad IEEM
Grid Reference: SK 5931 2138 Habitat Type(s): Neutral (mesotrophic) grassland

Additional Information: Local wildlife site W5921/2, LRWT 46771. No access.

Target Note Reference: SK5921 TN2

Survey Date: 11th May 2011 Surveyor: Zoe Jackson MSc Grad IEEM
Grid Reference: SK 5939 2137 Habitat Type(s): Poor semi-improved grassland

Additional Information: In use as cemetery.

Target Note Reference: SK5921 TN3

Survey Date: 7th July 2012 Surveyor: Steve Ralph MSc MIEEM
Grid Reference: SK 5984 2137 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Bee Orchid	<i>Ophrys apifera</i>
Common birds-foot trefoil	<i>Lotus corniculatus</i>
Black knapweed	<i>Centaurea nigra</i>
Creeping thistle	<i>Cirsium arvense</i>
Tufted vetch	<i>Vicia cracca</i>
Tufted hair-grass	<i>Deschampsia caespitosa</i>
Common sorrel	<i>Rumex acetosa</i>
Meadow vetchling	<i>Lathyrus pratensis</i>
Hogweed	<i>Heracleum sphondylium</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Timothy	<i>Phleum pratense</i>
Yarrow	<i>Achillea millefolium</i>
Goatsbeard	<i>Tragopogon pratensis</i>
Lady's bedstraw	<i>Galium verum</i>
Bush vetch	<i>Vicia sepium</i>
Horsetail	<i>Equisetum sp.</i>
Red Fescue	<i>Festuca rubra</i>
False oat grass	<i>Arrhenatherum elatius</i>

Yorkshire Fog	<i>Holcus lanatus</i>
Meadow Buttercup	<i>Ranunculus</i>
Red Clover	<i>Trifolium pratense</i>
Ribwort Plantain	<i>Plantago lanceolata</i>

Additional Information: Wide roadside verge considered high quality enough to be classified semi-improved neutral grassland. Species diversity is best at the western end, getting patchier to the east and eventually deteriorating into poor semi-improved grassland (as mapped).

Three Bee orchids were recorded in this habitat, two at approximate grid reference SK 60112 21392 and one at SK 60201 21413, however it is considered likely more are present in this area.

Target Note Reference: SK5921 TN4

Survey Date: 7th July 2012 Surveyor: Steve Ralph MSc MIEEM
Grid Reference: SK5974 2135 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Water:	
Common duckweed	<i>Lemna minor</i>
Brook Lime	<i>Veronica beccabunga</i>
Creeping buttercup	<i>Ranunculus repens</i>
Fools watercress	<i>Apium nodiflorum</i>
Banks:	
Dogrose	<i>Rosa canina</i>
Blackthorn	<i>Prunus spinosa</i>
Ash	<i>Fraxinus excelsior</i>
Elder	<i>Sambucus nigra</i>
Common Nettle	<i>Urtica dioica</i>
Ivy	<i>Hedera helix</i>
Hedge woundwort	<i>Stachys sylvatica</i>
Bittersweet	<i>Solanum dulcamara</i>

Additional Information: Pond, 10x6m. Unknown depth as entirely covered in duckweed with no clear water. Water levels were probably higher than usual at time of survey due to unseasonal rainfall.

1km Grid Square SK5923**Target Note Reference: SK5923 TN1**

Survey Date: 15TH April 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5953 2335 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Crack willow	<i>Salix fragilis</i>
Oak	<i>Quercus</i> sp.
Elder	<i>Sambucus nigra</i>
Dog rose	<i>Rosa canina</i>
Holly	<i>Ilex aquifolium</i>
Hazel	<i>Corylus avellana</i>

Additional Information: Local wildlife site CBC W 5923/5, only the southern section of the species-rich hedgerow is part of this LWS.

Target Note Reference: SK5923 TN2

Survey Date: 15TH April 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5907 2379, Habitat Type(s): Mesotrophic/wet grassland

Key Floral Species:-

No access. Numerous knapweed (*Centaurea* sp.) heads noted.

Additional Information: Local wildlife site CBC W 5923/1.

Target Note Reference: SK5923 TN3

Survey Date: 27th January 2012 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5918 2398 Habitat Type(s): Semi-improved neutral grassland (parts of field)

Key Floral Species:-

Yorkshire-fog	<i>Holcus lanatus</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Cow Parsley	<i>Anthriscus sylvestris</i>
Cock's-foot	<i>Dactylis glomerata</i>
Common Knapweed	<i>Centaurea nigra</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>

False Oat-grass

Yarrow

Arrhenatherum elatius

Achillea millefolium

Additional Information: Part of Local wildlife site CBC W 5923/2. Small amount of knapweed present at the southern end of this field. The field is very closely grazed by horses and generally muddy, especially around the gate.

Target Note Reference: SK5923 TN4

Survey Date: 27th January 2012 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5931 2389 Habitat Type(s): Semi-improved neutral grassland (parts of field)

Key Floral Species:-

Yorkshire-fog	<i>Holcus lanatus</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
Yarrow	<i>Achillea millefolium</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Cock's-foot	<i>Dactylis glomerata</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>
Common Knapweed	<i>Centaurea nigra</i>

Additional Information: Local wildlife site CBC W 5923/1. As with the field above, this one is also very closely grazed by horses and generally muddy.

Target Note Reference: SK 5923 TN5

Survey Date: 15th April 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5999 2384 Habitat Type(s): Species-poor semi-improved grassland

Key Floral Species:-

Cock's Foot	<i>Dactylis glomerata</i>
Creeping Buttercup	<i>Ranunculus repens</i>
White Clover	<i>Trifolium repens</i>
Field Mouse Ear	<i>Cerastium arvense</i>
Ryegrass	<i>Lolium</i> sp.
Bulbous Buttercup	<i>Ranunculus bulbosus</i>
White Dead-nettle	<i>Lamium album</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Crested Dog's-tail	<i>Cynosurus cristatus</i>

Dandelion	<i>Taraxacum officinale</i> agg.
Yarrow	<i>Achillea millefolium</i>
Hogweed	<i>Heracleum sphondylium</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>
Small Nettle	<i>Urtica urens</i>
Creeping Thistle	<i>Cirsium arvense</i>
Cow Parsley	<i>Anthriscus sylvestris</i>
Lesser celandine	<i>Ranunculus ficaria</i>

Target Note Reference: SK5923 TN6

Survey Date: 15th April 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 5998 2374 Habitat Type(s): Species-poor semi-improved grassland

Additional Information:

Brash piles along top border of field.

1km Grid Square SK5924**Target Note Reference: SK5924 TN1**

Survey Date: 29th March 2011 *Surveyor:* Nick Sanderson MSc MIEEM
Grid Reference: SK 5961 2495 *Habitat Type(s):* Species-poor semi-improved grassland

Key Floral Species:-

False oat grass	<i>Arrhenatherum elatius</i>
Cock's Foot	<i>Dactylis glomerata</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Red Fescue	<i>Festuca rubra</i> agg.

Additional Information: Field margin approx 4m wide with mostly monocotyledon species.

Target Note Reference: SK5924 TN2

Survey Date: 29th March 2011 *Surveyor:* Nick Sanderson MSc MIEEM
Grid Reference: SK 5952 2499 *Habitat Type(s):* Pond

Key Floral Species:-

Floating Sweet-grass	<i>Glyceria fluitans</i>
Water cress	<i>Rorippa nasturtium-aquaticum</i> agg.

Additional Information: Small, probably ephemeral, pond 5 x 5m, drip fed from pipe (likely to be a spring).

1km Grid Square SK6008Target Note Reference: SK6008 TN1

Survey Date: 11th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 6005 0870 Habitat Type(s): Semi-improved neutral grassland

Key floral species:-

Silverweed	<i>Potentilla anserina</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Cock's-foot	<i>Dactylis glomerata</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Timothy	<i>Phleum pratense sens.lat.</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Meadow Vetchling	<i>Lathyrus pratensis</i>
Common Vetch	<i>Vicia sativa</i>
Dandelion	<i>Taraxacum officinale agg.</i>
White Clover	<i>Trifolium repens</i>
Tufted Vetch	<i>Vicia cracca</i>
Great Willowherb	<i>Epilobium hirsutum</i>

Target Note Reference: SK6008 TN2

Survey Date: 11th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 6016 0892 Habitat Type(s): Swamp/marginal vegetation

Key aquatic and marginal species:-

Common Reed	<i>Phragmites australis</i>
Yellow Iris	<i>Iris pseudacorus</i>
Reedmace	<i>Typha latifolia</i>

Additional information: Small area of reed bed on the banks of standing water.

1km Grid Square SK6009**Target Note Reference: SK6009 TN1**

Survey Date: 8th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6030 0997 Habitat Type(s): Standing water

Key floral species:-

Reed Sweet-grass

Glyceria maxima

Reedmace

Typha latifolia

Common Reed

Phragmites australis

Nuttall's Water-weed

Elodea nuttallii

Common Club-rush

Schoenoplectus lacustris

Additional Information: Target note relates to a series of lakes within Watermead Country Park. LWS W6010/1.

Target Note Reference: SK6009 TN2

Survey Date: 8th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6075 0974 Habitat Type(s): Standing water

Key floral species:-

Common Duckweed

Lemna minor

Reedmace

Typha latifolia

Branched Bur-reed

Sparganium erectum

Common Reed

Phragmites australis

Orange Balsam

Impatiens capensis

Additional Information: Within Watermead Country Park. LWS W6010/1.

Target Note Reference: SK6009 TN3

Survey Date: 8th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6077 0931 Habitat Type(s): Running water

Key floral species:-

Floating Pennywort

Hydrocotyle ranunculoides

Additional Information: Small patches of floating pennywort observed in the canal. Part of LWS S.2.7.

Target Note Reference: SK6009 TN4

Survey Date: 8th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6054 0911

Habitat Type(s): Marshy grassland

Key floral species:-

Lesser Pond-sedge

Carex acutiformis

Hard Rush

Juncus inflexus

Tufted Hair-grass

Deschampsia caespitosa

Additional Information: Part of sedge bed near Thurmaston Marina LWS (W6009/1). Dominated by lesser pond sedge.

1km Grid Square SK6010Target Note Reference: SK6010 TN1

Survey Date: 30th June 2010 Surveyor: Michael Poulton AIEEM

Grid Reference: SK 6049 1065

Habitat Type(s): Standing water

Key Floral Species:-

Common reed

Phragmites australis

Sedge species

Carex sp.

Branched bur reed

Sparganium erectum

Additional Information: Large body of standing water with marginal reed-swamp vegetation. Banded damselfly (*Calopteryx splendens*), common blue damselfly (*Engallagma cyathigerum*) and brown hawkler (*Aeshna grandis*). Part of Local Wildlife Site W6010/1 (Watermead Country Park).

Target Note Reference: SK6010 TN2

Survey Date: 30th June 2010 Surveyor: Michael Poulton AIEEM

Grid Reference: SK 6058 1027

Habitat Type(s): Standing water (lake)

Key Floral Species:-

Reed sweet grass

Glyceria maxima

Reed canary grass

Phalaris arundinacea

White willow

Salix alba

Additional Information: Large lake with marginal vegetation of reed sweet grass and reed canary grass. Mature white willow trees on bank. Part of Local Wildlife Site W6010/1 (Watermead Country Park).

Target Note Reference: SK6010 TN3

Survey Date: 30th June 2010 Surveyor: Michael Poulton AIEEM

Grid Reference: SK 6047 1032 Habitat Type(s): Tall ruderal

Key Floral Species:-

Creeping thistle

Cirsium arvense

Bramble

Rubus fruticosus

Hogweed

Heracleum sphondylium

Common nettle

Urtica dioica

Great willowherb

Epilobium hirsutum

Additional Information: Area of tall ruderal between lake and running water. Ringlet (*Aphantopus hyperantus*), meadow brown (*Maniola jurtina*), speckled wood (*Pararge aegeria*) and large skipper (*Ochlodes venatus*). Part of Local Wildlife Site W6010/1 (Watermead Country Park).

Target Note Reference: SK6010 TN4

Survey Date: 30th June 2010 Surveyor: Michael Poulton AIEEM

Grid Reference: SK 6079 1001

Habitat Type(s): Standing water (pond)

Key Floral Species:-

Common duckweed

Lemna minor

Reedmace

Typha latifolia

Branched bur-reed

Sparganium erectum

Reed canary grass

Phalaris arundinacea

Additional Information: Small pool lined with marginal vegetation. Covered with duck weed. Part of Local Wildlife Site W6010/1 (Watermead Country Park).

Target Note Reference: SK6010 TN5

Survey Date: 30th June 2010 Surveyor: Michael Poulton AIEEM

Grid Reference: SK 6028 1070

Habitat Type(s): Poor semi-improved grassland

Key Floral Species:-

Reed canary grass

Phalaris arundinacea

Rush species

Juncus sp.

Sedge species

Carex sp.

False oat grass

Arrhenatherum elatius

Broadleaved dock

Rumex obtusifolius

Additional Information: Rough grassland meadow floodplain with rush and sedge patches. Extensive area of bare ground in middle supporting ephemeral pools (dry at time of survey June 2010). Little egret (*Egretta garzetta*), grey heron (*Ardea cinerea*) and 3 mute swans (*Cygnus olor*) seen during re-survey in February 2011. Part of Local Wildlife Site W6010/1 (Watermead Country Park).

Target Note Reference: SK6010 TN6

Survey Date: 30th June 2010 Surveyor: Michael Poulton AIEEM

Grid Reference: SK 6053 1099 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Black knapweed	<i>Centaurea nigra</i>
Hogweed	<i>Heracleum sphondylium</i>
Meadow crane's bill	<i>Geranium pratense</i>
Meadow vetchling	<i>Lathyrus pratensis</i>
Greater bird's foot trefoil	<i>Lotus pedunculatus</i>
Lady's bedstraw	<i>Galium verum</i>

Additional Information: Wildflower meadow, probably sown. Part of Local Wildlife Site W6010/1 (Watermead Country Park).

Target Note Reference: SK6010 TN7

Survey Date: 11th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 6003 1037 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Pedunculate Oak	<i>Quercus robur</i>
Hazel	<i>Corylus avellana</i>
Dog Rose	<i>Rosa canina</i> agg.
Blackthorn	<i>Prunus spinosa</i>
Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Alder	<i>Alnus glutinosa</i>

Target Note Reference: SK6010 TN8

Survey Date: 19th July 2012 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6093 1087 Habitat Type(s): Ephemeral Short Perennial

Key Floral Species:-

Evening Primrose	<i>Oenothera biennis</i>
Wild Teasel	<i>Dipsacus fullonum</i>
Hard rush	<i>Juncus inflexus</i>
Yorkshire fog	<i>Holcus lanatus</i>
Broadleaved Dock	<i>Rumex obtusifolius</i>
Creeping buttercup	<i>Ranunculus repens</i>
Hoary willowherb	<i>Epilobium parviflorum</i>

Additional Information: Large area of short perennials and bare patches. The area could only be viewed from one end so the species list is likely to be incomplete. Several Lapwings (*Vanellus vanellus*) were observed. The area offers potential breeding habitat for this species although no evidence for this was observed.

1km Grid Square SK6011**Target Note Reference: SK6011 TN1**

Survey Date: 30th June 2010 Surveyor: Michael Poulton AIEEM

Grid Reference: SK 6037 1130 Habitat Type(s): Tall ruderal

Key Floral Species:-

Common nettle	<i>Urtica dioica</i>
Rosebay willowherb	<i>Chamerion angustifolium</i>
Great willowherb	<i>Epilobium hirsutum</i>
Common meadow rue	<i>Thalictrum flavum</i>
Meadowsweet	<i>Filipendula ulmaria</i>

Additional Information: Riverside meadow dominated by common nettle.

Target Note Reference: SK6011 TN2

Survey Date: 30th June 2010 Surveyor: Michael Poulton AIEEM

Grid Reference: SK 6050 1137 Habitat Type(s): Tall ruderal

Key Floral Species:-

Broadleaved dock	<i>Rumex obtusifolius</i>
Common ragwort	<i>Senecio jacobaea</i>
False oat grass	<i>Arrhenatherum elatius</i>
Goat's rue	<i>Galega officinalis</i>

Additional Information: Banks of tall ruderal vegetation. Goat's rue abundant. Part of Local Wildlife Site W6010/1 (Watermead Country Park).

Target Note Reference: SK6011 TN3

Survey Date: 30th June 2010 Surveyor: Michael Poulton AIEEM

Grid Reference: SK 6094 1115 Habitat Type(s): Standing water

Key Floral Species:-

Reedmace	<i>Typha latifolia</i>
Common reed	<i>Phragmites australis</i>
Reed sweet grass	<i>Glyceria maxima</i>

Additional Information: Large pool with some marginal and aquatic vegetation. Great crested grebe (*Podiceps cristatus*) and common tern (*Sterna hirundo*). Island with scattered crack willow (*Salix fragilis*) and buddleia (*Buddleia davidii*).

Target Note Reference: SK6011 TN4

Survey Date: 30th June 2010 Surveyor: Tim Smith

Grid Reference: SK 6089 1167 Habitat Type(s): Running water (canal)

Key Floral Species:-

Yellow water lily	<i>Nuphar lutea</i>
Arrowhead	<i>Sagittaria sagittifolia</i>
Unbranched bur reed	<i>Sparganium emersum</i>
Branched bur reed	<i>Sparganium erectum</i>
Common club rush	<i>Schoenoplectus lacustris</i>
Common nettle	<i>Urtica dioica</i>
Great willowherb	<i>Epilobium hirsutum</i>
Cow parsley	<i>Anthriscus sylvestris</i>

Additional information:- Canal with some aquatic and marginal vegetation.

1km Grid Square SK6012**Target Note Reference: SK6012 TN1**

Survey Date: 30th June 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6025 1249 Habitat Type(s): Running water

Key Floral Species:-

Reed Sweet-grass	<i>Glyceria maxima</i>
Yellow Water-lily	<i>Nuphar lutea</i>
Common Club-rush	<i>Schoenoplectus lacustris</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Water Dock	<i>Rumex hydrolapathum</i>
Clustered Dock	<i>Rumex conglomeratus</i>
False Fox-sedge	<i>Carex otrubae</i>
Unbranched Bur-reed	<i>Sparganium emersum</i>

Additional Information: Part of the River Wreake. Dragonflies observed; banded demoiselle (*Calopteryx splendens*), blue-tailed damselfly (*Ischnura elegans*), emperor dragonfly (*Anax imperator*), common blue damselfly (*Enallagma cyathigerum*) and brown hawker (*Aeshna grandis*).

Target Note Reference: SK6012 TN2

Survey Date: 30th June 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6088 1228 Habitat Type(s): Broad leaved woodland

Key Floral Species:-

Crack Willow	<i>Salix fragilis</i>
Bramble	<i>Rubus fruticosus</i> agg.
Common Nettle	<i>Urtica dioica</i>
Bearded Couch	<i>Elymus caninus</i>
Hedge Woundwort	<i>Stachys sylvatica</i>

Additional Information: Part of LWS W6012/1, woodland surrounding a small pool which is largely covered with common duckweed.

Target Note Reference: SK6012 TN3

Survey Date: 30th June 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6095 1216 Habitat Type(s): Running water

Key Floral Species:-

Floating Pennywort *Hydrocotyle ranunculoides*

Additional Information: Small patches of floating pennywort observed near footpath at this location.

Target Note Reference: SK6012 TN4

Survey Date: 30th June 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6035 1236 Habitat Type(s): Standing water

Marginal/aquatic vegetation:-

Reed Sweet-grass	<i>Glyceria maxima</i>
Yellow Water-lily	<i>Nuphar lutea</i>
Water Forget-me-not	<i>Myosotis scorpioides</i>
Water Mint	<i>Mentha aquatica</i>

Additional Information: Pond with continuous band of marginal vegetation.

Target Note Reference: SK6012 TN5

Survey Date: 13th December 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6098 1202 Habitat Type(s): Poor semi-improved grassland

Key floral species:-

Perennial Rye-grass	<i>Lolium perenne</i>
Cock's-foot	<i>Dactylis glomerata</i>
Yorkshire-fog	<i>Holcus lanatus</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
Common Nettle	<i>Urtica dioica</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>
Creeping Thistle	<i>Cirsium arvense</i>
Spear Thistle	<i>Cirsium vulgare</i>

Additional Information: Horse grazed field, mostly short grazed, few areas of longer scrub.

Target Note Reference: SK6012 TN6

Survey Date: 13th December 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6087 1233 Habitat Type(s): Standing water eutrophic

Aquatic vegetation:-

Reed Sweet-grass	<i>Glyceria maxima</i>
Reedmace	<i>Typha latifolia</i>
Lesser pond sedge	<i>Carex acutiformis</i>
Crack willow	<i>Salix fragilis</i>
Common duckweed	<i>Lemma minor</i>
Hoary willowherb	<i>Epilobium parviflorum</i>
Great willowherb	<i>Epilobium hirsutum</i>
Starwort sp	<i>Callitriche stagnalis sens.lat.</i>

Bankside vegetation:-

Yorkshire fog	<i>Holcus lanatus</i>
Common nettle	<i>Urtica dioica</i>
Hogweed	<i>Heracleum sphondylium</i>
Crack willow	<i>Salix fragilis</i>
Bramble	<i>Rubus fruticosus</i>
Reed canary grass	<i>Phalaris arundinacea</i>
Creeping thistle	<i>Cirsium arvense</i>
Soft rush	<i>Juncus effusus</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Common comfrey	<i>Symphytum officinale</i>

Additional Information: Part of LWS W6012/1.

1km Grid Square SK6013Target Note Reference: SK6013 TN1

Survey Date: 27th July 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6000 1324 Habitat Type(s): Marshy grassland

Key Floral Species:-

Lesser Pond-sedge	<i>Carex acutiformis</i>
Soft Rush	<i>Juncus effusus</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Hard Rush	<i>Juncus inflexus</i>

Additional Information: Marshy grassland.

Target Note Reference: SK6013 TN2

Survey Date: 30th June 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6035 1372 Habitat Type(s): Standing water

Key Floral Species:-

Perennial Rye-grass	<i>Lolium perenne</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Floating Sweet-grass	<i>Glyceria fluitans</i>
Water cress	<i>Rorippa nasturtium-aquaticum</i> agg.
Common Bent	<i>Agrostis capillaris</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Common Nettle	<i>Urtica dioica</i>
Cow Parsley	<i>Anthriscus sylvestris</i>
White Clover	<i>Trifolium repens</i>

Additional Information: Small pool, approximately 1.5 x 10m, the banks of which are poached.

Target Note Reference: SK6013 TN3

Survey Date: 13th December 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6004 1390 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Meadowsweet	<i>Filipendula ulmaria</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Black Knapweed	<i>Centaurea nigra</i>

Spear Thistle
Broad-leaved Dock
Cock's-foot
False Oat-grass
Curled Dock
Crack Willow
Hoary Willowherb
Wild Angelica
Common Ragwort
Hard Rush
Crack Willow
Goat Willow
Bramble
Creeping Willow
Soft Rush
Wild Teasel

Cirsium vulgare
Rumex obtusifolius
Dactylis glomerata
Arrhenatherum elatius
Rumex crispus
Salix fragilis
Epilobium parviflorum
Angelica sylvestris
Senecio jacobaea
Juncus inflexus
Salix fragilis
Salix caprea
Rubus fruticosus agg.
Salix repens
Juncus effusus
Dipsacus fullonum

Additional Information: This area of semi-neutral grassland has scattered scrub throughout. Good population of butterfly's observed in old hedgerow on western boundary; brimstone (*Gonepteryx rhamni*), comma (*Polygonia c-album*), ringlet (*Aphantopus hyperantus*), speckled wood (*Pararge aegeria*), large white (*Pieris brassicae*), large red damselfly (*Pyrrosoma nymphula*).

Target Note Reference: SK6013 TN4

Survey Date: 13th December 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6027 1362 Habitat Type(s): Standing water

Key Floral Species:-

Reedmace	<i>Typha latifolia</i>
Crack Willow	<i>Salix fragilis</i>
Alder	<i>Alnus glutinosa</i>
Lesser Pond-sedge	<i>Carex acutiformis</i>
Soft Rush	<i>Juncus effusus</i>
Hard Rush	<i>Juncus inflexus</i>
Scots Pine	<i>Pinus sylvestris</i>
Water Lily	<i>Nymphaea</i> sp.
Reed Sweet-grass	<i>Glyceria maxima</i>
Silver Birch	<i>Betula pendula</i>
Water Mint	<i>Mentha aquatica</i>

Additional Information: Moat in a garden, approximately 3 to 4 m with extensive reed bed. Dragonflies observed were broad-bodied chaser (*Libellula depressa*) and Common blue damselfly (*Enallagma cyathigerum*).

Target Note Reference: SK6013 TN5

Survey Date: 30th June 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 6017 1340 *Habitat Type(s):* Standing water & marshy grassland

Key floral species:-

Soft Rush	<i>Juncus effusus</i>
Common Club-rush	<i>Schoenoplectus lacustris</i>
Branched Bur-reed	<i>Sparganium erectum</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Curled Dock	<i>Rumex crispus</i>
Tufted Forget-me-not	<i>Myosotis laxa</i>
Great Willowherb	<i>Epilobium hirsutum</i>

Additional Information: Pool with sand spits and surrounding marshy grassland.

Target Note Reference: SK6013 TN6

Survey Date: 13th December 2011 *Surveyor:* Steve Ralph MSc MIEEM
Grid Reference: SK 6016 1394 *Habitat Type(s):* Standing water

Key floral species:-

Yellow Cress	<i>Rorippa sp.</i>
Blackthorn	<i>Prunus spinosa</i>
Hawthorn	<i>Crataegus monogyna</i>
Fool's Water-cress	<i>Apium nodiflorum</i>
Floating Sweet-grass	<i>Glyceria fluitans</i>
Field Maple	<i>Acer campestre</i>

Additional Information: Small pool approximately 5 x 3m.

Target Note Reference: SK6013 TN7

Survey Date: 13th December 2011 *Surveyor:* Steve Ralph MSc MIEEM
Grid Reference: SK 6022 1376 *Habitat Type(s):* Wet ditch and running water

Key floral species:-

Fool's Water-cress	<i>Apium nodiflorum</i>
Wild Angelica	<i>Angelica sylvestris</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Hoary Willowherb	<i>Epilobium parviflorum</i>
Crack Willow	<i>Salix fragilis</i>
Hawthorn	<i>Crataegus monogyna</i>
Water Figwort	<i>Scrophularia auriculata</i>

Target Note Reference: SK6013 TN8

Survey Date: 13th December 2011 *Surveyor:* Steve Ralph MSc MIEEM
Grid Reference: SK 6030 1344 *Habitat Type(s):* Marshy grassland

Key floral species:-

Soft Rush	<i>Juncus effusus</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Common Nettle	<i>Urtica dioica</i>
Reedmace	<i>Typha latifolia</i>
Hard Rush	<i>Juncus inflexus</i>
Creeping Buttercup	<i>Ranunculus repens</i>

1km Grid Square SK6014**Target Note Reference: SK6014 TN1**

Survey Date: 27th July 2010 Surveyor: Mike Poulton BSc AIEEM

Grid Reference: SK 6005 1434 Habitat Type(s): Semi-improved grassland

Key Floral Species:-

Meadowsweet	<i>Filipendula ulmaria</i>
Great Burnet	<i>Sanguisorba officinalis</i>
Marsh Marigold	<i>Caltha palustris</i>

Additional Information: Wet meadow with abundant meadowsweet and greater burnet, with patches of marsh marigold. No access but viewed from path.

Target Note Reference: SK6014 TN2

Survey Date: 27th July 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 6008 1408 Habitat Type(s): Wet grassland with large pond and tall ruderal vegetation

Key Floral Species:-

Reedmace	<i>Typha latifolia</i>
Reed Sweet-grass	<i>Glyceria maxima</i>
Lesser Pond-sedge	<i>Carex acutiformis</i>
Hairy Sedge	<i>Carex hirta</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Great Burnet	<i>Sanguisorba officinalis</i>
Gipsywort	<i>Lycopus europaeus</i>
Perennial Sow-thistle	<i>Sonchus arvensis</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Creeping Thistle	<i>Cirsium arvense</i>

Additional Information: Pond with no obvious submerged or floating vegetation, fringed with dense stands of reedmace, reed sweet-grass, sedges and meadowsweet. The meadow is bordered by mature hedgerows with broadleaf trees. Good for Odonata. Reed bunting (*Emberiza schoeniclus*) and reed warbler (*Acrocephalus scirpaceus*) heard.

Target Note Reference: SK6014 TN3

Survey Date: 27th July 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 6008 1426 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Blackthorn	<i>Prunus spinosa</i>
Field Maple	<i>Acer campestre</i>
English Elm	<i>Ulmus procera</i>
Hawthorn	<i>Crataegus monogyna</i>
Apple	<i>Malus sylvestris sens. lat.</i>
Crack Willow	<i>Salix fragilis</i>
Dog Rose	<i>Rosa canina agg.</i>
Common hop	<i>Humulus lupulus</i>

Additional Information: With associated dry ditch.

Target Note Reference: SK6014 TN4

Survey Date: 27th July 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 6012 1424 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Blackthorn	<i>Prunus spinosa</i>
Field Maple	<i>Acer campestre</i>
English Elm	<i>Ulmus procera</i>
Hawthorn	<i>Crataegus monogyna</i>
Apple	<i>Malus sylvestris sens. lat.</i>
Crack Willow	<i>Salix fragilis</i>
Dog Rose	<i>Rosa canina agg.</i>

Additional Information: With associated dry ditch.

Target Note Reference: SK6014 TN5

Survey Date: 27th July 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 6012 1430 Habitat Type(s): Pond with marginal vegetation

Key Floral Species:-

Meadowsweet	<i>Filipendula ulmaria</i>
Great Willowherb	<i>Epilobium hirsutum</i>

Fool's Water-cress
Gipsywort

Apium nodiflorum
Lycopus europaeus

Additional Information: Pond draining wet semi-improved grassland to west.

Target Note Reference: SK6014 TN6

Survey Date: 27th July 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid Reference: SK 6010 1428 *Habitat Type(s):* Semi-improved neutral grassland (damp)

Key Floral Species:-

Meadowsweet	<i>Filipendula ulmaria</i>	Abundant
Soft Rush	<i>Juncus effusus</i>	Abundant
Great Burnet	<i>Sanguisorba officinalis</i>	
Ragged Robin	<i>Lychnis flos-cuculi</i>	
Water Mint	<i>Mentha aquatica</i>	

Additional Information: Damp ground drains into pond to east of the meadow. No access.

Target Note Reference: SK6014 TN7

Survey Date: 27th July 2010 *Surveyor:* Mike Poulton BSc AIEEM
Grid Reference: SK 6001 1449 *Habitat Type(s):* Semi-improved grassland

Key Floral Species:-

Meadowsweet	<i>Filipendula ulmaria</i>
Great Burnet	<i>Sanguisorba officinalis</i>
Meadow Foxtail	<i>Alopecurus pratensis</i>

With ditch at north field boundary supporting:-

Reed Canary-grass	<i>Phalaris arundinacea</i>
Reedmace	<i>Typha latifolia</i>
Great Willowherb	<i>Epilobium hirsutum</i>

Additional Information: Short sward with extensive patches of meadowsweet. No access but viewed from path. Site is LWS W6014/5 Field West of Cossington Road (1).

Target Note Reference: SK6014 TN8

Survey Date: 27th July 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid Reference: SK 6004 1440 *Habitat Type(s):* Species-poor semi-improved grassland

Key Floral Species:-

Silverweed	<i>Potentilla anserina</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Meadowsweet	<i>Filipendula ulmaria</i>

Additional Information: Local Wildlife Site CBC W6014/6. Drier than adjoining LWS to the north, with only remnant areas of meadowsweet towards western side of meadow. Much silverweed. Grazed by horses. No access but viewed from path.

Target Note Reference: SK6014 TN9

Survey Date: 27th July 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid Reference: SK 6003 1420 *Habitat Type(s):* Semi-improved grassland (species-poor)

Key Floral Species:-

Creeping Thistle	<i>Cirsium arvense</i>
Soft Rush	<i>Juncus effusus</i>
Compact Rush	<i>Juncus conglomerates</i>
Hard Rush	<i>Juncus inflexus</i>
Curled Dock	<i>Rumex crispus</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>

Additional Information: Species poor grassland with damper areas and abundant rushes. Cossington Meadows wetlands LRWT reserve.

1km Grid Square SK6018Target Note Reference: SK6018 TN1Survey Date: 28th July 2010 Surveyor: Jane Carruthers BSc

Grid Reference: SK 6043 1839 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Field bindweed	<i>Convolvulus arvensis</i>	Frequent
False oat grass	<i>Arrhenatherum elatius</i>	Frequent
Ribwort plantain	<i>Plantago lanceolata</i>	Occasional
Wild angelica	<i>Angelica sylvestris</i>	Frequent
Cock's foot	<i>Dactylis glomerata</i>	Occasional
Yorkshire fog	<i>Holcus lanatus</i>	Frequent
Hard rush	<i>Juncus inflexus</i>	Occasional
Hogweed	<i>Heracleum sphondylium</i>	Frequent
Meadowsweet	<i>Filipendula ulmaria</i>	Rare
Red campion	<i>Silene dioica</i>	Occasional
Creeping buttercup	<i>Ranunculus repens</i>	Occasional
Red fescue	<i>Festuca rubra agg.</i>	Occasional
Yellow rattle	<i>Rhinanthus minor</i>	Frequent
St John's Wort	<i>Hypericum spp.</i>	Rare
Lady's bedstraw	<i>Galium verum</i>	Frequent
Common Bird's-foot trefoil	<i>Lotus corniculatus</i>	Rare
Common cat's-ear	<i>Hypochaeris radicata</i>	Occasional
Smooth meadow grass	<i>Poa pratensis sens.lat.</i>	Frequent
Tufted vetch	<i>Vicia cracca</i>	Rare
Field scabious	<i>Knautia arvensis</i>	Frequent
Cow slip	<i>Primula veris</i>	Frequent
Meadow foxtail	<i>Alopecurus pratensis</i>	Occasional
Red clover	<i>Trifolium pratense</i>	Occasional
White clover	<i>Trifolium repens</i>	Occasional
Lesser trefoil	<i>Trifolium dubium</i>	Occasional
Common knapweed	<i>Centaurea nigra</i>	Abundant
Rough hawkbit	<i>Leontodon hispidus</i>	Occasional
Musk-mallow	<i>Malva moschata</i>	Occasional
Wild carrot	<i>Daucus carota</i>	Occasional
Meadow Batley	<i>Hordeum secalinum</i>	Occasional
Great willowherb	<i>Epilobium hirsutum</i>	Frequent
Yellow oat grass	<i>Trisetum flavescens</i>	Rare
Goat's beard	<i>Tragopogon pratensis</i>	Occasional

Additional Information: On verges along both sides of road to British Gypsum. Appears to be sown rather than natural. Access not possible along full length but appears from a distance to extend from Paudy Lane to the gypsum works as mapped.

Target Note Reference: SK6018 TN2Survey Date: 28th July 2010 Surveyor: Jane Carruthers BSc

Grid Reference: SK 6035 1880 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Black bryony	<i>Tamus communis</i>	Frequent
Ash	<i>Fraxinus excelsior</i>	Frequent
Field maple	<i>Acer campestre</i>	Occasional
Hawthorn	<i>Crataegus monogyna</i>	Dominant
Elder	<i>Sambucus nigra</i>	Occasional
Hazel	<i>Corylus avellana</i>	Rare
Wild privet	<i>Ligustrum vulgare</i>	Occasional
Dog rose	<i>Rosa canina agg.</i>	Occasional
Bramble	<i>Rubus fruticosus agg.</i>	Occasional
Whitebeam	<i>Sorbus devoniensis</i>	Occasional

Target Note Reference: SK 6018 TN3Survey Date: 28th July 2010 Surveyor: Jane Carruthers BSc

Grid Reference: SK 6086 1818 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Common knapweed	<i>Centaurea nigra</i>	Frequent
Tufted vetch	<i>Vicia cracca</i>	Frequent
Smooth meadow grass	<i>Poa pratensis sens.lat.</i>	Frequent
Cock's foot	<i>Dactylis glomerata</i>	Occasional
False oat grass	<i>Arrhenatherum elatius</i>	Abundant
Red fescue	<i>Festuca rubra agg.</i>	Occasional
Ribwort plantain	<i>Plantago lanceolata</i>	Occasional
Wild angelica	<i>Angelica sylvestris</i>	Frequent
Yarrow	<i>Achillea millefolium</i>	Rare
Whiet clover	<i>Trifolium repens</i>	Frequent
Red clover	<i>Trifolium pratense</i>	Occasional
Yorkshire fog	<i>Holcus lanatus</i>	Occasional
Rough chervil	<i>Chaerophyllum temulum</i>	Frequent

Meadow Cranes-bill *Geranium pratense* Occasional

Additional Information: Roadside verge.

Target Note Reference: SK6018 TN4

Survey Date: 13th January 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6078 1868 *Habitat Type(s):* Pond (15x5m) with marshy vegetation

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Great willowherb	<i>Epilobium hirsutum</i>
Floating sweet grass	<i>Glyceria fluitans</i>

Additional information: Ash and hawthorn creating shade over approximately 30% of pond. Edges poached by horses. Marginal vegetation limited.

1km Grid Square SK6019Target Note Reference: SK6019 TN1

Survey Date: 28th July 2010 Surveyor: Jane Carruthers BSc

Grid Reference: SK 6069 1994 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Common knapweed	<i>Centaurea nigra</i>	Abundant
Red clover	<i>Trifolium pratense</i>	Abundant
Great willowherb	<i>Epilobium hirsutum</i>	Frequent
Cock's foot	<i>Dactylis glomeratus</i>	Occasional
White clover	<i>Trifolium repens</i>	Frequent
False oat grass	<i>Arrhenatherum elatius</i>	Abundant
Wild angelica	<i>Angelica sylvestris</i>	Frequent
Meadow vetchling	<i>Lathyrus pratensis</i>	Frequent
Black medick	<i>Medicago lupulina</i>	Occasional
Red fescue	<i>Festuca rubra</i> agg.	Occasional
Meadow foxtail	<i>Alopecurus pratensis</i>	Occasional
Perennial Rye-grass	<i>Lolium perenne</i>	Occasional
Creeping Buttercup	<i>Ranunculus repens</i>	Occasional

Additional Information:- Roadside verge.

Target Note Reference: SK6019 TN2

Survey Date: 28th July 2010 Surveyor: Jane Carruthers BSc

Grid Reference: SK 6097 1915 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>	Frequent
Ash	<i>Fraxinus excelsior</i>	Occasional
Pedunculate oak	<i>Quercus robur</i>	Rare
Field maple	<i>Acer campestre</i>	Rare
Bramble	<i>Rubus fruticosus</i>	Frequent
Blackthorn	<i>Prunus spinosa</i>	Frequent
Hazel	<i>Corylus avellana</i>	Rare
Apple	<i>Malus sylvestris sens. lat.</i>	Rare

1km Grid Square SK6020**Target Note Reference: SK6020 TN1**

Survey Date: 11th May 2011 *Surveyor:* Zoe Jackson MSc Grad IEEM
Grid Reference: SK 6050 2076 *Habitat Type(s):* Species-rich hedgerow with trees containing nine woody species.

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Apple	<i>Malus sylvestris sens. lat.</i>
Elder	<i>Sambucus nigra</i>
Dog Rose	<i>Rosa canina</i> agg.
Dogwood	<i>Cornus sanguinea</i>
Field Maple	<i>Acer campestre</i>
Sycamore	<i>Acer pseudoplatanus</i>
Wild Privet	<i>Ligustrum vulgare</i>

Additional Information:- Along line of public footpath.

Target Note Reference: SK6020 TN2

Survey Date: 11th May 2011 *Surveyor:* Zoe Jackson MSc Grad IEEM
Grid Reference: SK 6059 2023 *Habitat Type(s):* Semi-improved neutral grassland.

Key Floral Species:-

Red clover	<i>Trifolium pratense</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Meadow foxtail	<i>Alopecurus pratensis</i>
Cock's foot	<i>Dactylis glomeratus</i>
Cow Parsley	<i>Anthriscus sylvestris</i>
Dandelion	<i>Taraxacum officinale</i> agg.
Hogweed	<i>Heracleum sphondylium</i>
Cut-leaved Crane's-bill	<i>Geranium dissectum</i>
Meadow Buttercup	<i>Ranunculus acris</i>
Hop Trefoil	<i>Trifolium campestre</i>
Meadow Brome	<i>Bromus commutatus</i>
Common Vetch	<i>Vicia sativa</i>
Common Mouse-ear	<i>Cerastium fontanum ssp. vulgare</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Curled Dock	<i>Rumex crispus</i>

Common Sorrel
 Yellow-rattle
 Goat's-beard

Rumex acetosa
Rhinanthus minor
Tragopogon pratensis

Additional Information:- A group of four adjacent semi-improved neutral grassland fields, all very similar with the above species list. Not a LWS, recommended for further survey to see if it meets criteria.

1km Grid Square SK6023Target Note Reference: SK6023 TN1

Survey Date: 11th September 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6098 2315 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Ribwort Plantain	<i>Plantago lanceolata</i>
Common Knapweed	<i>Centaurea nigra</i>
Selfheal	<i>Prunella vulgaris</i>
Common Cat's-ear	<i>Hypochaeris radicata</i>
Daisy	<i>Bellis perennis</i>
Cowslip	<i>Primula veris</i>
Yarrow	<i>Achillea millefolium</i>
Red Fescue	<i>Festuca rubra</i> agg.
Autumnal Hawkbit	<i>Leontodon autumnalis</i>
Marsh Thistle	<i>Cirsium palustre</i>
Common Bent	<i>Agrostis capillaris</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
Hoary Plantain	<i>Plantago media</i>
Common Bird's-foot-trefoil	<i>Lotus corniculatus</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Common Sorrel	<i>Rumex acetosa</i>
Spiny Restharrow	<i>Ononis spinosa</i>
Cock's foot	<i>Dactylis glomerata</i>
Broad leaved dock	<i>Rumex obtusifolius</i>
Hogweed	<i>Heracleum sphondylium</i>
Red clover	<i>Trifolium pratense</i>

Additional information: Part of CBC W 6023/1 Field west of Wymeswold Meadows. Southern half of field which is bisected by a dry ditch (the River Mantle) with species indicating that water is usually present. The grassland is more diverse on sloping sections, with spiny restharrow only found in these areas. Anthills also present on slopes. The northern half of the field is poor semi-improved grassland.

1km Grid Square SK6024**Target Note Reference: SK6024 TN1**

Survey Date: 29th March 2011 Surveyor: Nick Sanderson MSc MIEEM

Grid Reference: SK 6036 2444 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Soft Rush	<i>Juncus effusus</i>
Rosebay Willowherb	<i>Chamerion angustifolium</i>

Additional Information: Pond 5m x 5m with brown algal bloom and soft rush and rosebay willowherb on banks

Target Note Reference: SK6024 TN2

Survey Date: 29th March 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 6060 2430 Habitat Type(s): Species-poor semi-improved grassland

Key Floral Species:-

Creeping buttercup	<i>Ranunculus repens</i>
Smooth meadow grass	<i>Poa pratensis sens.lat.</i>
False Oat	<i>Arrhenatherum elatius</i>
Yorkshire fog	<i>Holcus lanatus</i>
Common sorrel	<i>Rumex acetosa</i>
Common field speedwell	<i>Veronica persica</i>
Bush vetch	<i>Vicia sepium</i>
Red rescue	<i>Vinca minor</i>
Broadleaved dock	<i>Rumex obtusifolius</i>
Red clover	<i>Trifolium pratense</i>
Common mouse ear	<i>Cerastium fontanum</i>
Dandelion	<i>Taraxacum officinale</i>

Additional Information: Designated as Local Wildlife Site W6024/1 in September 2001. Heavily grazed by horses, better around the edges but now considered species-poor semi-improved.

1km Grid Square SK6111**Target Note Reference: SK6111 TN1**

Survey Date: 30th June 2010 Surveyor: Tim Smith

Grid Reference: SK 6122 1184 Habitat Type(s): Standing water (lake)

Key Floral Species:-

Common reed	<i>Phragmites australis</i>
Willow species	<i>Salix</i> sp.

Additional information:- Large pool with dense fringe of common reed. Surrounded by trees, mainly willow, and tall ruderal vegetation. Part of Local Wildlife Site W6111/1 designated in 2006 for meeting the primary criteria for standing water body. Woodland to east also designated for meeting primary criteria for wet woodland.

Target Note Reference: SK6111 TN2

Survey Date: 30th June 2010 Surveyor: Tim Smith

Grid Reference: SK 6135 1180 Habitat Type(s): Standing water (lake)

Key Floral Species:-

Common reed	<i>Phragmites australis</i>
Bur-reed species	<i>Sparganium</i> sp.
Common spike rush	<i>Eleocharis palustris</i>
Willow species	<i>Salix</i> sp.

Additional information:- Large pool with large areas of common spike rush and some patches of common reed and bur reed species around margins. Little aquatic vegetation. Surrounded by trees, mainly willow. Part of Local Wildlife Site W6111/1 designated in 2006 for meeting the primary criteria for standing water body.

Target Note Reference: SK6111 TN3

Survey Date: 30th June 2010 Surveyor: Tim Smith

Grid Reference: SK 6113 1199 Habitat Type(s): Standing water - pond

Key Floral Species:-

Reedmace	<i>Typha latifolia</i>
Yellow iris	<i>Iris pseudacorus</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information:- Pool within woodland. Hawthorn lining edge.

Target Note Reference: SK6111 TN4

Survey Date: 13th December 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6105 1191 Habitat Type(s): Standing water

Key Floral Species:-

Crack Willow	<i>Salix fragilis</i>
Alder	<i>Alnus glutinosa</i>
Hawthorn	<i>Crataegus monogyna</i>
Lesser Pond-sedge	<i>Carex acutiformis</i>
Reed Sweet-grass	<i>Glyceria maxima</i>

Additional information:- Foley Lake, surrounded by trees and scrub.

Target Note Reference: SK6111 TN5

Survey Date: 13th December 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6132 1195 Habitat Type(s): Running water

Key Floral Species:-

Reedmace	<i>Typha latifolia</i>
Watercress	<i>Nasturtium</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Floating Sweet-grass	<i>Glyceria fluitans</i>
Fool's Water-cress	<i>Apium nodiflorum</i>
Bittersweet	<i>Solanum dulcamara</i>
Bramble	<i>Rubus fruticosus</i> agg.
Alder	<i>Alnus glutinosa</i>
Crack Willow	<i>Salix fragilis</i>
Wild Teasel	<i>Dipsacus fullonum</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Common Nettle	<i>Urtica dioica</i>
Water Figwort	<i>Scrophularia auriculata</i>

Additional information:- Small pool 3 to 5m wide with tall ruderal and scattered scrub on the banks.

1km Grid Square SK6112**Target Note Reference: SK6112 TN1**

Survey Date: 30th June 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 6128 1220 *Habitat Type(s):* Tall ruderal

Key Floral Species:-

Creeping Thistle	<i>Cirsium arvense</i>
Hemlock	<i>Conium maculatum</i>
Wetted Thistle	<i>Carduus crispus</i>
Bramble	<i>Rubus fruticosus</i> agg.
Great Willowherb	<i>Epilobium hirsutum</i>
Common Club-rush	<i>Schoenoplectus lacustris</i>
Branched Bur-reed	<i>Sparganium erectum</i>

Additional information:- Band of tall ruderals between river and arable field, also with reeds colonising much of the river width at this location.

Target Note Reference: SK6112 TN2

Survey Date: 30th December 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6143 1247 *Habitat Type(s):* Standing water

Marginal/aquatic species:-

Reed Canary-grass	<i>Phalaris arundinacea</i>
Marsh Yellow-cress	<i>Rorippa palustris</i>
<i>Key floral species:-</i>	
Rosebay Willowherb	<i>Chamerion angustifolium</i>
Wild Teasel	<i>Dipsacus fullonum</i>
Hemlock	<i>Conium maculatum</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Common Nettle	<i>Urtica dioica</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
Wild Teasel	<i>Dipsacus fullonum</i>
Creeping Thistle	<i>Cirsium arvense</i>

Additional information:- Small pond choked up with vegetation, surrounded by swampy ground and tall ruderals.

Target Note Reference: SK6112 TN3

Survey Date: 30th June 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 6173 1270 *Habitat Type(s):* Broad leaved woodland

Key floral species:-

Bearded Couch	<i>Elymus caninus</i>
Common Nettle	<i>Urtica dioica</i>
Ash	<i>Fraxinus excelsior</i>
a poplar	<i>Populus</i> sp.
Elder	<i>Sambucus nigra</i>
Blackthorn	<i>Prunus spinosa</i>
Garlic Mustard	<i>Alliaria petiolata</i>

Additional information:- River corridor becomes distinctly more wooded, with steep sided ivy covered bank.

Target Note Reference: SK6112 TN4

Survey Date: 30th June 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 6176 1218 *Habitat Type(s):* Standing water

Key floral species:-

Butterbur	<i>Petasites</i> Sp.
-----------	----------------------

Additional information:- Wet area (possibly broken drainage) at base of railway embankment. The very large size of the leaves observed on the above species indicate that it may be giant butterbur (*Petasites japonicus*), but a definite identification was not possible.

Target Note Reference: SK6112 TN5

Survey Date: 13th December 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6121 1204 *Habitat Type(s):* Species-poor semi-improved neutral grassland

Key floral species:-

Cock's-foot	<i>Dactylis glomerata</i>
Perennial Rye-grass	<i>Lolium perenne</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Red Fescue	<i>Festuca rubra</i> agg.
Common Ragwort	<i>Senecio jacobaea</i>

Broad-leaved Dock	<i>Rumex obtusifolius</i>
Black Knapweed	<i>Centaurea nigra</i>
Ground-ivy	<i>Glechoma hederacea</i>
Spear Thistle	<i>Cirsium vulgare</i>
Wild Teasel	<i>Dipsacus fullonum</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Hedge Bedstraw	<i>Galium mollugo</i>
Bramble	<i>Rubus fruticosus agg.</i>
Cleavers	<i>Galium aparine</i>

Additional information:- Overall poor semi-improved grassland, but there are smaller patches of higher quality semi-improved neutral grassland and tall ruderal.

Target Note Reference: SK6112 TN6

Survey Date: 13th December 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6115 1206 *Habitat Type(s):* Standing water

Marginal/aquatic vegetation:-

Reedmace	<i>Typha latifolia</i>
<i>Bankside vegetation:-</i>	
Common Nettle	<i>Urtica dioica</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>
Spear Thistle	<i>Cirsium vulgare</i>
Bramble	<i>Rubus fruticosus agg.</i>
Crack Willow	<i>Salix fragilis</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information:- The pond is long and thin at approximately 10 x 1.5m. Water was present within the pond however this may have been due to recent rainfall as there were nettles growing which had been covered by the water.

Target Note Reference: SK6112 TN7

Survey Date: 13th December 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6136 1201 *Habitat Type(s):* Standing water

Key floral vegetation:-

Creeping Thistle	<i>Cirsium arvense</i>
------------------	------------------------

Cow Parsley	<i>Anthriscus sylvestris</i>
Goat Willow	<i>Salix caprea</i>
Bramble	<i>Rubus fruticosus agg.</i>

Additional information:- No access to the pond but observed through binoculars with bare earth banks surrounding open water w and occasional tall ruderals.

Target Note Reference: SK6112 TN8

Survey Date: 13th December 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6164 1228 *Habitat Type(s):* Species-poor semi-improved grassland

Key floral vegetation:-

Common Ragwort	<i>Senecio jacobaea</i>
Red Fescue	<i>Festuca rubra agg.</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Dove's-foot Crane's-bill	<i>Geranium molle</i>
a common mouse-ear	<i>Cerastium fontanum ssp. vulgare</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Common Nettle	<i>Urtica dioica</i>
Ground-ivy	<i>Glechoma hederacea</i>
Selfheal	<i>Prunella vulgaris</i>
Common Sorrel	<i>Rumex acetosa</i>

Additional information:- Relatively good quality but still species-poor semi-improved grassland.

Target Note Reference: SK6112 TN9

Survey Date: 13th December 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6163 1202 *Habitat Type(s):* Marshy grassland

Key floral vegetation:-

Wild Teasel	<i>Dipsacus fullonum</i>
Common Nettle	<i>Urtica dioica</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Soft Rush	<i>Juncus effusus</i>
Common Reed	<i>Phragmites australis</i>
Reedmace	<i>Typha latifolia</i>
Willow	<i>Salix sp.</i>

Additional information:- No access to the area, observed from a distance, surveyor recommends re-survey in summer.

Target Note Reference: SK6112 TN10

Survey Date: 13th December 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6117 1214 *Habitat Type(s):* Species-poor semi-improved neutral grassland

Key floral vegetation:-

Cock's-foot	<i>Dactylis glomerata</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
Red Fescue	<i>Festuca rubra</i> agg.
Cow Parsley	<i>Anthriscus sylvestris</i>
a common mouse-ear	<i>Cerastium fontanum</i> ssp. <i>vulgare</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>
Cleavers	<i>Galium aparine</i>
Dove's-foot Crane's-bill	<i>Geranium molle</i>
Hogweed	<i>Heracleum sphondylium</i>
Common Sorrel	<i>Rumex acetosa</i>
Spear Thistle	<i>Cirsium vulgare</i>
Black knapweed	<i>Centaurea nigra</i>

Additional information:- Area of species-poor semi-improved neutral grassland which contained occasional black knapweed.

1km Grid Square SK6114Target Note Reference: SK6114 TN1

Survey Date: 2nd November 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6170 1441 Habitat Type(s): Standing water - pond

Key Floral Species:-

Ground Ivy	<i>Glechoma bederacea</i>
Pedunculate Oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Bittersweet	<i>Solanum dulcamara</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Dog Rose	<i>Rosa canina</i> agg.
English Elm	<i>Ulmus procera</i>

Additional information:- Dry pond approximately 10 m x 5 m. Yellow flag indicates dampness but generally dry.

Target Note Reference: SK6114 TN2

Survey Date: 2nd November 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6180 1459 Habitat Type(s): Standing water - pond

Key Floral Species:-

Common Duckweed	<i>Lemna minor</i>
Water-cress Spp	<i>Nasturtium officinale</i> agg.
Bittersweet	<i>Solanum dulcamara</i>
Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Bramble	<i>Rubus fruticosus</i> agg.

Additional information:- Pond approximately 3 m x 4m which is covered by Duckweed and surrounded by trees and scrub.

1km Grid Square SK6115

Target Note Reference: SK6115 TN1

Survey Date: 27th July 2010 *Surveyor:* Mike Poulton BSc AIEEM

Grid Reference: SK 6160 1581 *Habitat Type(s):* Pond

Key Floral Species:-

Greater Spearwort

Ranunculus lingua

Broad-leaved Pondweed

Potamogeton natans

Ivy-leaved Duckweed

Lemna trisulca

Flowering Rush

Butomus umbellatus

Additional information:- Patches of greater spearwort. Dense pondweed and duckweed, small patch of flowering rush. Ridge and furrow grassland surrounding.

1km Grid Square SK6116

Target Note Reference: SK6116 TN1

Survey Date: 26th August 2010

Surveyor: Tim Smith

Grid Reference: SK 613 161 Habitat Type(s): Running water, broadleaved woodland, scrub

Key Floral Species:-

Ash

Fraxinus excelsior

Elm

Ulmus procera

Elder

Sambucus nigra

Crack willow

Salix fragilis

Blackthorn

Prunus spinosa

White poplar

Populus alba

Hawthorn

Crataegus monogyna

Additional information:- Small stream in belt of broadleaved woodland and scrub.

1km Grid Square SK6117Target Note Reference: SK6117 TN1Survey Date: 26th August 2010

Surveyor: Tim Smith

Grid Reference: SK 619 178 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

White clover	<i>Trifolium repens</i>
Self heal	<i>Prunella vulgaris</i>
Crested dog's tail	<i>Cynosaurus cristatus</i>
Ribwort plantain	<i>Plantago lanceolata</i>
Creeping buttercup	<i>Ranunculus repens</i>
Meadow buttercup	<i>Ranunculus acris</i>
Common bird's-foot trefoil	<i>Lotus corniculatus</i>
Smooth hawks-beard	<i>Crepis capillaris</i>
Red clover	<i>Trifolium pratense</i>
Common bent	<i>Agrostis capillaris</i>
Dandelion	<i>Taraxacum agg.</i>
Perennial ryegrass	<i>Lolium perenne</i>
Yorkshire fog	<i>Holcus lanatus</i>
Greater plantain	<i>Plantago major</i>
Common sorrel	<i>Rumex acetosa</i>
Autumn hawkbit	<i>Leontodon autumnalis</i>

Additional information:- High Tor Fields LWS W6117/5. Two ridge and furrow fields currently used as grazing for horses.

Target Note Reference: SK6117 TN2Survey Date: 26th August 2010

Surveyor: Tim Smith

Grid Reference: SK 617 170 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Meadow buttercup	<i>Ranunculus acris</i>
Sweet vernal grass	<i>Anthoxanthum odoratum</i>
Red clover	<i>Trifolium pratense</i>
Yorkshire fog	<i>Holcus lanatus</i>
Rough meadow grass	<i>Poa trivialis</i>
Yellow rattle	<i>Rhinanthus minor</i>
Meadow barley	<i>Hordeum secalinum</i>
Dandelion	<i>Taraxacum officinale agg.</i>

Cock's-foot	<i>Dactylis glomerata</i>
Self heal	<i>Prunella vulgaris</i>
Red fescue	<i>Festuca rubra</i>
Common knapweed	<i>Centaurea nigra</i>
Crested dogs-tail	<i>Cynosurus cristatus</i>
Ribwort plantain	<i>Plantago lanceolata</i>
Common sorrel	<i>Rumex acetosa</i>
White clover	<i>Trifolium repens</i>
Creeping buttercup	<i>Ranunculus repens</i>
False oat-grass	<i>Arrhenatherum elatius</i>
Common birds-foot trefoil	<i>Lotus corniculatus</i>
Perennial rye-grass	<i>Lolium perenne</i>
Goat's-beard	<i>Tragopogon pratensis</i>
Common mouse-ear	<i>Cerastium fontanum</i>
Creeping cinquefoil	<i>Potentilla reptans</i>
Autumn hawkbit	<i>Leontodon autumnalis</i>

Additional information:- Hall Farm Local Wildlife Site (W6117/1): 14ha, comprises six grass fields. Fields to the north east and north west less diverse. Those to the north west now occupied by free-range chicken farm.

Target Note Reference: SK6117 TN3Survey Date: 26th August 2010

Surveyor: Tim Smith

Grid Reference: SK 617 169 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Common duckweed	<i>Lemna minor</i>
Bittersweet (on banks)	<i>Solanum dulcamara</i>

Additional information:- Pond (10 x 6m), within Hall Farm Local Wildlife Site (W6117/1).

Target Note Reference: SK6117 TN4

Survey Date: 26th August 2010

Surveyor: Tim Smith

Grid Reference: SK 619 173 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Yellow iris

Iris pseudacorus

Common reed

Phragmites australis

Additional information:- Pond (15 x 15m), within Hall Farm Pond Local wildlife site (W6117/4) Fenced off, surrounded by tall ruderal and scattered scrub.

1km Grid Square SK6118**Target Note Reference: SK6118 TN1**

Survey Date: 28th July 2010 Surveyor: Jane Carruthers BSc

Grid Reference: SK 6174 1848 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>	Dominant
Ash	<i>Fraxinus excelsior</i>	Frequent
Field maple	<i>Acer campestre</i>	Frequent
English elm	<i>Ulmus procera</i>	Occasional
Elder	<i>Sambucus nigra</i>	Occasional
Apple	<i>Malus sylvestris sens. lat.</i>	Occasional
Blackthorn	<i>Prunus spinosa</i>	Occasional
Dog rose	<i>Rosa canina agg.</i>	Occasional
Bramble	<i>Rubus fruticosus</i>	Frequent
Black bryony	<i>Tamus communis</i>	Occasional

Target Note Reference: SK6118 TN2

Survey Date: 28th July 2010 Surveyor: Jane Carruthers BSc

Grid Reference: SK 6179 1855 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>	Dominant
Ash	<i>Fraxinus excelsior</i>	Frequent
Field maple	<i>Acer campestre</i>	Frequent
English elm	<i>Ulmus procera</i>	Occasional
Elder	<i>Sambucus nigra</i>	Occasional
Dog rose	<i>Rosa canina agg.</i>	Rare
Bramble	<i>Rubus fruticosus</i>	Frequent
Black bryony	<i>Tamus communis</i>	Occasional
Dogwood	<i>Cornus sanguinea</i>	Occasional

Target Note Reference: SK6118 TN3

Survey Date: 28th July 2010 Surveyor: Jane Carruthers BSc

Grid Reference: SK 6160 1843 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Alder	<i>Alnus glutinosa</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Great willowherb	<i>Epilobium hirsutum</i>

Additional information:- Pond (10x6m) in arable field with border of scrub vegetation. Shaded by hawthorn and alder scrub and with no aquatic vegetation.

1km Grid Square SK6119Target Note Reference: SK6119 TN1

Survey Date: 13th January 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6186 1932 Habitat Type(s): Pond

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Duckweed	<i>Lemna minor</i>
Hard rush	<i>Juncus inflexus</i>
Great willowherb	<i>Epilobium hirsutum</i>

Additional information:- Pond 5x7m in arable field with border of scrub vegetation. Heavily shaded by hawthorn scrub around edges.

Target Note Reference: SK6119 TN2

Survey Date: 13th January 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6147 1908 Habitat Type(s): Dry pond in arable field

Key Floral Species:-

Crack willow	<i>Salix fragilis</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information:- Heavily shaded. No aquatic or marginal vegetation.

1km Grid Square SK6121Target Note Reference: SK6121 TN1

Survey Date: 11th May 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 6180 2154 Habitat Type(s): Species-oor semi-improved grassland

Key floral species:-

Perennial Rye-grass

Lolium perenne

Cock's-foot

Dactylis glomerata

Yorkshire-fog

Holcus lanatus

False Oat-grass

Arrhenatherum elatius

Additional information:- Local wildlife site CBC W 6122/1 Harrow Farm. May have been ploughed in 2008 following ownership change (unconfirmed). No access, but it was possible to see that the field is currently horse grazed and as such the vegetation was visibly short in addition, very few broadleaved species were visible.

Target Note Reference: SK6121 TN2

Survey Date: 11th May 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 6159 2193 Habitat Type(s): Arable field

Additional information:- Local wildlife site W6122/1 Harrow Farm. According to information provided by CBC this is to be de-registered as a wildlife site, due to being converted to arable land (circa 2008) after change of ownership.

Target Note Reference: SK6121 TN3

Survey Date: 11th May 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 6111 2195 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Hawthorn

Crataegus monogyna

Blackthorn

Prunus spinosa

Field maple

Acer campestre

Elder

Sambucus nigra

English elm

Ulmus procera

Grey poplar

Populus canescens

Dog rose

Rosa canina agg.

Hazel

Corylus avellana

Additional information:- Along line of footpath

Target Note Reference: SK6121 TN4

Survey Date: 11th May 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 6183 2187 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Hawthorn

Crataegus monogyna

Blackthorn

Prunus spinosa

Elder

Sambucus nigra

Dogwood

Cornus sanguinea

Dog rose

Rosa canina agg.

Field m apple

Acer campestre

Grey willow

Salix cinerea

Hazel

Corylus avellana

Honey suckle

Lonicera periclymenum

Target Note Reference: SK6121 TN5

Survey Date: 7th July 2012 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK6112 2152 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Water:

Common duckweed

Lemna minor

Reed Canary-grass

Phalaris arundinacea (one small stand)

Banks:

Cleavers

Galium aparine

Common Nettle

Urtica dioica

Hogweed

Heracleum sphondylium

Hoary willowherb

Epilobium parviflorum

Shaded by:

Crack willow

Salix fragilis

Hawthorn

Crataegus monogyna

Elder

Sambucus nigra

Additional Information: Pond, 10x6m shaded by scrub.

1km Grid Square SK6122**Target Note Reference: SK6122 TN1**

Survey Date: 16th June 2010 *Surveyor:* Sean Gallagher MSc MIEEM

Grid Reference: SK 6173 2257 *Habitat Type(s):* Semi-improved neutral grassland

Key Floral Species:-

Smooth meadow grass	<i>Poa pratensis</i>
Cock's foot	<i>Dactylis glomerata</i>
Yorkshire fog	<i>Holcus lanatus</i>
Meadow buttercup	<i>Ranunculus acris</i>
Broad leaved dock	<i>Rumex obtusifolius</i>
Hogweed	<i>Heracleum sphondylium</i>
Red clover	<i>Trifolium pratense</i>
Bird's foot trefoil	<i>Lotus corniculatus</i>
Crested dog's tail	<i>Cynosurus cristatus</i>
Perennial rye grass	<i>Lolium perenne</i>
Wall barley	<i>Hordeum murinum</i>

Additional information: Ridge and furrow. Part of Harrow Farm LWS W6122/1.

Target Note Reference: SK6122 TN2

Survey Date: 11th September 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6152 2284 *Habitat Type(s):* Semi-improved neutral grassland

Key Floral Species:-

Common Knapweed	<i>Centaurea nigra</i>
Hogweed	<i>Heracleum sphondylium</i>
Cock's foot	<i>Dactylis glomerata</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Creeping Cinquefoil	<i>Potentilla reptans</i>
Creeping Thistle	<i>Cirsium arvense</i>
Bramble	<i>Rubus fruticosus</i> agg.
Common Nettle	<i>Urtica dioica</i>
Meadow Vetchling	<i>Lathyrus pratensis</i>

Target Note Reference: SK6122 TN3

Survey Date: 11th September 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6172 2298 *Habitat Type(s):* Standing water eutrophic

Key Floral Species:-

Alder	<i>Alnus glutinosa</i>
Hoary Willowherb	<i>Epilobium parviflorum</i>
Hard Rush	<i>Juncus inflexus</i>
Broad-leaved Pondweed	<i>Potamogeton natans</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Cock's foot	<i>Dactylis glomerata</i>

Additional information: 15 x 15m pond with broad-leaved pondweed as only aquatic species. Occasional alder scrub.

Target Note Reference: SK6122 TN4

Survey Date: 11th September 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6192 2291 *Habitat Type(s):* Species-poor semi-improved grassland

Key Floral Species:-

Red Fescue	<i>Festuca rubra</i> agg.
False Oat-grass	<i>Arrhenatherum elatius</i>
Common Sorrel	<i>Rumex acetosa</i>
Red clover	<i>Trifolium pratense</i>
Creeping Thistle	<i>Cirsium arvense</i>
Dandelion	<i>Taraxacum officinale</i> agg.
Spear Thistle	<i>Cirsium vulgare</i>
Perennial Rye-grass	<i>Lolium perenne</i>
White Clover	<i>Trifolium repens</i>
Crested Dog's-tail	<i>Cynosurus cristatus</i>
Common Bent	<i>Agrostis capillaris</i>

Additional information: Two adjoining fields forming local wildlife site CBC W6122/2. Generally species-poor, with only a few species indicative of less improved swards.

Target Note Reference: SK6122 TN5

Survey Date: 11th September 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6193 2285 Habitat Type(s): Species-poor semi-improved grassland

Key Floral Species:-

Red Fescue	<i>Festuca rubra</i> agg.
False Oat-grass	<i>Arrhenatherum elatius</i>
Common Sorrel	<i>Rumex acetosa</i>
Red clover	<i>Trifolium pratense</i>
Creeping Thistle	<i>Cirsium arvense</i>
Dandelion	<i>Taraxacum officinale</i> agg.
Spear Thistle	<i>Cirsium vulgare</i>
Perennial Rye-grass	<i>Lolium perenne</i>
White Clover	<i>Trifolium repens</i>
Crested Dog's-tail	<i>Cynosurus cristatus</i>
Common Bent	<i>Agrostis capillaris</i>

Additional information: Two adjoining fields forming local wildlife site CBC W6122/2.
Generally species-poor, with only a few species indicative of less improved swards.

1km Grid Square SK6123**Target Note Reference: SK6123 TN1**

Survey Date: 11th September 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6112 2312 *Habitat Type(s):* Semi-improved neutral grassland

Key Floral Species:-

Ribwort Plantain	<i>Plantago lanceolata</i>
Common Knapweed	<i>Centaurea nigra</i>
Selfheal	<i>Prunella vulgaris</i>
Common Cat's-ear	<i>Hypochaeris radicata</i>
Daisy	<i>Bellis perennis</i>
Cowslip	<i>Primula veris</i>
Yarrow	<i>Achillea millefolium</i>
Red Fescue	<i>Festuca rubra</i> agg.
Autumnal Hawkbit	<i>Leontodon autumnalis</i>
Marsh Thistle	<i>Cirsium palustre</i>
Common Bent	<i>Agrostis capillaris</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
Hoary Plantain	<i>Plantago media</i>
Common Bird's-foot-trefoil	<i>Lotus corniculatus</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Common Sorrel	<i>Rumex acetosa</i>
Spiny Restharrow	<i>Ononis spinosa</i>
Cock's foot	<i>Dactylis glomerata</i>
Broad leaved dock	<i>Rumex obtusifolius</i>
Hogweed	<i>Heracleum sphondylium</i>
Red clover	<i>Trifolium pratense</i>

Additional information: Part of CBC W 6123/1 Wymeswold Meadows. Three fields bisected by a dry ditch (the River Mantle) which has species indicating that water is usually present. The grassland is more diverse on sloping sections, with spiny restharrow only found in these areas. Anthills also present on slopes. The north half of the eastern field shows a different species mix, see SK6123 TN2.

Target Note Reference: SK6123 TN2

Survey Date: 11th September 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6137 2307 *Habitat Type(s):* Semi-improved neutral grassland

Key Floral Species:-

Ribwort Plantain	<i>Plantago lanceolata</i>
Common Knapweed	<i>Centaurea nigra</i>
Common Cat's-ear	<i>Hypochaeris radicata</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
Common Sorrel	<i>Rumex acetosa</i>
Cock's foot	<i>Dactylis glomerata</i>
Broad leaved dock	<i>Rumex obtusifolius</i>
Red clover	<i>Trifolium pratense</i>
Creeping Thistle	<i>Cirsium arvense</i>
Yorkshire-fog	<i>Holcus lanatus</i>
Common Bent	<i>Agrostis capillaris</i>
Cow Parsley	<i>Anthriscus sylvestris</i>
Spear Thistle	<i>Cirsium vulgare</i>

Additional information: Part of CBC W 6123/1 Wymeswold Meadows. Top section of field bisected by a dry ditch (the River Mantle) which has species indicating that water is usually present. This area of Wymeswold Meadows is less species-rich than the rest of the nature reserve, and shows species characteristic of a sward reverting to semi-neutral grassland after improvement in the past.

Target Note Reference: SK6123 TN3

Survey Date: 11th September 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6120 2314 *Habitat Type(s):* Dry ditch with evidence of regular presence of water

Key Floral Species:-

Fool's Water-cress	<i>Apium nodiflorum</i>
Hard Rush	<i>Juncus inflexus</i>
Marsh Thistle	<i>Cirsium palustre</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Floating Sweet-grass	<i>Glyceria fluitans</i>
Brooklime	<i>Veronica beccabunga</i>
Creeping Thistle	<i>Cirsium arvense</i>
Creeping Buttercup	<i>Ranunculus repens</i>

Additional information: Part of CBC W 6123/1 Wymeswold Meadows. Species mix indicates regular presence of water. The name of the ditch (the River Mantle) corroborates this, at least historically. Some wetter areas were present towards the west end of the area.

Target Note Reference: SK6123 TN4

Survey Date: 11th September 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6179 2300 *Habitat Type(s):* Species-rich hedgerow

Key Florul Species:-

Blackthorn	<i>Prunus spinosa</i>
Buckthorn	<i>Rhamnus cathartica</i>
Black Bryony	<i>Tamus communis</i>
English Elm	<i>Ulmus procera</i>
Hawthorn	<i>Crataegus monogyna</i>
Field Maple	<i>Acer campestre</i>
Dog Rose	<i>Rosa canina agg.</i>
Ash	<i>Fraxinus excelsior</i>

1km Grid Square SK6124**Target Note Reference: SK6124 TN1**

Survey Date: 28th March 2011 Surveyor: Nick Sanderson MSc MIEEM

Grid Reference: SK 6188 2418 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

False oat grass	<i>Arrhenatherum elatius</i>
Yorkshire fog	<i>Holcus lanatus</i>
Meadow grass species	<i>Poa spp</i>
Meadow buttercup	<i>Ranunculus acris</i>
Pignut	<i>Conopodium majus</i>
Cow parsley	<i>Anthriscus sylvestris</i>
Spear thistle	<i>Cirsium vulgare</i>
Hogweed	<i>Heracleum sphondylium</i>
Broadleaved dock	<i>Rumex obtusifolius</i>
Meadow foxtail	<i>Alopecurus pratensis</i>
Soft brome	<i>Bromus hordeaceus</i>
Common bird's foot trefoil	<i>Lotus corniculatus</i>
Great willowherb	<i>Epilobium hirsutum</i>
Fool's water cress	<i>Apium nodiflorum</i>
Small-flowered crane's bill	<i>Geranium pusillum</i>

Additional information:- Road verges.

Target Note Reference: SK6124 TN2

Survey Date: 29th March 2011 Surveyor: Nick Sanderson MSc MIEEM

Grid Reference: SK 6192 2455 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
----------	---------------------------

Additional information:- Small pond, very turbid and heavily cattle poached with some hawthorn scrub.

Target Note Reference: SK6124 TN3

Survey Date: 29th March 2011 Surveyor: Nick Sanderson MSc MIEEM

Grid Reference: SK 6156 2471 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Soft Rush	<i>Juncus effusus</i>
Water cress	<i>Rorippa nasturtium-aquaticum agg.</i>

Additional information:- Small turbid pond, partly shaded by hawthorn.

Target Note Reference: SK6124 TN4

Survey Date: 29th March 2011 Surveyor: Nick Sanderson MSc MIEEM

Grid Reference: SK 6108 2489 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Willow spp.	<i>Salix agg.</i>
-------------	-------------------

Additional information:- Small rectangular pond, 10m x 5m approximately. Turbid water. No aquatic vegetation, shaded on one side by willow.

1km Grid Square SK6125

Target Note Reference: SK6125 TN1

Survey Date: 29th March 2011 *Surveyor:* Nick Sanderson MSc MIEEM

Grid Reference: SK 6178 2512 *Habitat Type(s):* Standing water (pond)

Key Floral Species:-

Willow species

Salix spp.

Additional information:- Very large pond. Central island. Willow trees on banks. Very heavily poached and water turbid. Waterfowl present, Canada geese (*Branta Canadensis*) and coot (*Fulica atra*) seen.

1km Grid Square SK6208Target Note Reference: SK6208 TN1

Survey Date: 19th July 2012 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6291 0829 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Ribwort Plantain

Curled dock

Selfheal

Black knapweed

Lady's bedstraw

Creeping thistle

Oxeye daisy

Timothy

Yorkshire fog

Creeping Bent

Crested dog's tail

Red clover

Cock's foot

Yellow rattle

*Plantago lanceolata**Rumex crispus**Prunella vulgaris**Centaurea nigra**Galium verum**Cirsium arvense**Leucanthemum vulgare**Phleum pratense**Holcus lanatus**Agrostis stolonifera**Cynosurus cristatus**Trifolium pratense**Dactylis glomerata**Rhinanthus minor*

Additional information:- Species rich corner of an agricultural field

Target Note Reference: SK6208 TN2

Survey Date: 19th July 2012 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6287 0838 Habitat Type(s): Species Rich Hedgerows

Key Floral Species:-

Western side of track:

Hawthorn

Elder

Dogrose

Blackthorn

Field Maple

Hazel

Dogwood

English Elm

*Crataegus monogyna**Sambucus nigra**Rosa canina**Prunus spinosa**Acer campestre**Corylus avellana**Cornus sanguinea**Ulmus procera***Eastern side of track:**

Hawthorn

Crab Apple

Elder

Dogrose

Blackthorn

English Elm

Ash

*Crataegus monogyna**Malus sylvestris**Sambucus nigra**Rosa canina**Prunus spinosa**Ulmus procera**Fraxinus excelsior*

Additional information:- Species rich hedges on both sides of an agricultural track

1km Grid Square SK6212**Target Note Reference: SK6212 TN1**

Survey Date: 30th June 2010 *Surveyor:* Martin Burgess BSc AIEEM

Grid Reference: SK 6218 1228 *Habitat Type(s):* Standing water

Key floral species:

Meadowsweet

Filipendula ulmaria

Additional information: Fishing lake on old quarry site, islands have been planted and now contain mature broadleaved woodland. Mute swan (*Cygnus olor*), coot (*Fulica sp.*) and great crested grebe (*Podiceps cristatus*) were all observed breeding.

Target Note Reference: SK6212 TN2

Survey Date: 30th June 2010 *Surveyor:* Martin Burgess BSc AIEEM

Grid Reference: SK 6239 1221 *Habitat Type(s):* Tall ruderal

Key floral species:

Tufted Hair-grass

Deschampsia caespitosa

False Oat-grass

Arrhenatherum elatius

Wild Teasel

Dipsacus fullonum

Goat Willow

Salix caprea

Hawthorn

Crataegus monogyna

Additional information: Area of tall ruderals, being colonised by scrub.

Target Note Reference: SK6212 TN3

Survey Date: 30th June 2010 *Surveyor:* Martin Burgess BSc AIEEM

Grid Reference: SK 6251 1231 *Habitat Type(s):* Broad-leaved Woodland

Key floral species:

Crack Willow

Salix fragilis

Additional information: Mosaic of habitats – scattered broadleaved trees, scattered scrub and tall ruderal.

Target Note Reference: SK6212 TN4

Survey Date: 30th June 2010 *Surveyor:* Martin Burgess BSc AIEEM

Grid Reference: SK 6200 1292 *Habitat Type(s):* Standing Water

Key floral species:

Reed Sweet-grass

Glyceria maxima

Weeping Willow

Salix babylonica

Additional information: Moat with small wooded island in the centre.

1km Grid Square SK6213**Target Note Reference: SK6213 TN1**

Survey Date: 30th June 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid Reference: SK 6278 1392 *Habitat Type(s):* Broad-leaved woodland (beside river)
Tree Species:

Horse-chestnut	<i>Aesculus hippocastanum</i>
Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Sycamore	<i>Acer pseudoplatanus</i>
English Elm	<i>Ulmus procera</i>

Bank side species:

Common Nettle	<i>Urtica dioica</i>
Himalayan Balsam	<i>Impatiens glandulifera</i>

Aquatic and marginal species:

a water-starwort	<i>Callitriche</i> sp.
Yellow Water-lily	<i>Nuphar lutea</i>

Additional information: The above species were noted on the west bank of the river, vegetation on the east bank close to the golf course has been cut back.

Target Note Reference: SK6213 TN2

Survey Date: 30th June 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid Reference: SK 6267 1368 *Habitat Type(s):* Running water
Key floral species:

Branched Bur-reed	<i>Sparganium erectum</i>
Common Club-rush	<i>Schoenoplectus lacustris</i>
Reed Canary-grass	<i>Phalaris arundinacea</i>
Arrowhead	<i>Sagittaria sagittifolia</i>

Additional information: Many Odonata seen including: Emperor Dragonfly (*Anax imperator*), brown hawkler (*Aeshna grandis*), banded demoiselle (*Calopteryx splendens*). A sedge warbler (*Acrocephalus schoenobaenus*) was also heard.

Target Note Reference: SK6213 TN3

Survey Date: 30th June 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid Reference: SK 6263 1387 *Habitat Type(s):* Improved grassland
Key floral species:

Meadow Barley	<i>Hordeum secalinum</i>
Smaller Cat's-tail	<i>Pbleum bertolonii</i>
Musk Thistle	<i>Carduus nutans</i>

Additional information: This area is improved and species-poor but contained the above species which are characteristic of old grassland, possibly floodplain.

Target Note Reference: SK6213 TN4

Survey Date: 30th June 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid Reference: SK 6254 1376 *Habitat Type(s):* Standing water

Additional information: Small pond for livestock.

Target Note Reference: SK6213 TN5

Survey Date: 30th June 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid Reference: SK 6240 1315 *Habitat Type(s):* Standing water
Key floral species:

Hard Rush	<i>Juncus inflexus</i>
Soft Rush	<i>Juncus effusus</i>
Common Spike-Rush	<i>Eleocharis palustris</i>

Additional information: Surveyor recorded four grey herons (*Ardea cinerea*).

1km Grid Square SK6215**Target Note Reference: SK6215 TN1**

Survey Date: 21st July 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 6202 1546 *Habitat Type(s):* Arable weeds

Key Floral Species:

Field gromwell	<i>Lithospermum arvense</i>
Common field speedwell	<i>Veronica persica</i>
Fool's parsley	<i>Aethusa cynapium</i>
Fat hen	<i>Chenopodium album</i> agg.
Dwarf spurge	<i>Euphorbia exigua</i>

Additional information: Notable group of arable weeds, particularly field gromwell which is nationally rare.

Target Note Reference: SK6215 TN2

Survey Date: 21st July 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 6225 1554 *Habitat Type(s):* Arable weeds

Key Floral Species:

Round-leaved fluellen	<i>Kickxia spuria</i>
Sharp-leaved fluellen	<i>Kickxia elatine</i>
Small toadflax	<i>Chaenorhinum minus</i>
Dwarf spurge	<i>Euphorbia exigua</i>
Fool's parsley	<i>Aethusa cynapium</i>
Fat hen	<i>Chenopodium album</i> agg.
Common field speedwell	<i>Veronica persica</i>
Knotgrass	<i>Polygonum aviculare</i> agg.
White mustard	<i>Sinapis alba</i>

Additional information: Notable group of arable weeds along eastern edge of field (planted with bean crop at time of survey). Sharp-leaved fluellen and round leaved fluellen are in decline in Britain and generally confined to the south and east, making their presence here notable. White mustard is also apparently in decline in Britain.

Target Note Reference: SK6215 TN3

Survey Date: 21st July 2010

Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6229 1547 *Habitat Type(s):* Arable weeds

Key Floral Species:

Dwarf spurge *Euphorbia exigua*

Additional information: Number of dwarf spurge plants along footpath.

1km Grid Square SK6216

Target Note Reference: **SK6216 TN1**

Survey Date: 20th August 2010

Surveyor: Tim Smith

Grid Reference: SK 6282 1677 *Habitat Type(s):* Semi-improved neutral grassland

Additional information: Continuation of habitat in SK6217 TN1 - verge of rough grass with planted broadleaved trees. This area more heavily overgrown with trees and shrubs, smaller area of grassland and less diverse species assemblage. Part of LWS W6217/2.

1km Grid Square SK6217**Target Note Reference: SK6217 TN1**Survey Date: 20th August 2010

Surveyor: Tim Smith

Grid Reference: SK 6230 1732 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

False oat grass	<i>Arrhenatherum elatius</i>
Common nettle	<i>Urtica dioica</i>
Creeping thistle	<i>Cirsium arvense</i>
Hogweed	<i>Heracleum sphondylium</i>
Common knapweed	<i>Centaurea nigra</i>
Tufted hair grass	<i>Deschampsia caespitosa</i>
Yorkshire fog	<i>Holcus lanatus</i>
Common couch	<i>Elytrigia repens</i>
Cow parsley	<i>Anthriscus sylvestris</i>
Cock's foot	<i>Dactylis glomerata</i>
Meadow vetchling	<i>Lathyrus pratensis</i>
Field bindweed	<i>Convolvulus arvensis</i>
Ribwort plantain	<i>Plantago lanceolata</i>
Red fescue	<i>Festuca rubra</i>
Tall fescue	<i>Festuca arundinacea</i>
Meadow buttercup	<i>Ranunculus acris</i>
Yarrow	<i>Achillea millefolium</i>
Common bird's foot trefoil	<i>Lotus corniculatus</i>
Lady's bedstraw	<i>Galium verum</i>
Creeping cinquefoil	<i>Potentilla reptans</i>
Tor grass	<i>Brachypodium pinnatum</i>
Horse chestnut	<i>Aesculus hippocastanum</i>
Silver birch	<i>Betula pendula</i>
Alder	<i>Alnus glutinosa</i>

Additional information: Wide verge of rough grass with planted broadleaved trees. Part of LWS W6217/2.

Target Note Reference: SK6217 TN2Survey Date: 20th August 2010

Surveyor: Tim Smith

Grid Reference: SK 6265 1761 Habitat Type(s): Broadleaved woodland

Key Floral Species:-

Elder	<i>Sambucus nigra</i>
Blackthorn	<i>Prunus spinosa</i>
Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Dog rose	<i>Rosa canina</i>
Field maple	<i>Acer campestre</i>
Snowberry	<i>Symphoricarpos albus</i>
English elm	<i>Ulmus procera</i>
White willow	<i>Salix alba</i>
Sycamore	<i>Acer pseudoplatanus</i>
Ground flora:	
Herb robert	<i>Geranium robertianum</i>
Garlic mustard	<i>Alliaria petiolata</i>
Wood avens	<i>Geum urbanum</i>
Common nettle	<i>Urtica dioica</i>
Ivy	<i>Hedera helix</i>
Cleavers	<i>Galium aparine</i>
Bramble	<i>Rubus fruticosus</i>
Red campion	<i>Silene dioica</i>
Sweet violet	<i>Viola odorata</i>
Rough meadow grass	<i>Poa trivialis</i>

Additional information: Belt of broadleaved woodland along small stream in valley.

Target Note Reference: SK6217 TN3Survey Date: 20th August 2010

Surveyor: Tim Smith

Grid Reference: SK 6220 1757 Habitat Type(s): Scattered broadleaved trees over improved grassland

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Apple	<i>Malus sylvestris</i>
Pear	<i>Pyrus communis sens. lat.</i>
Walnut	<i>Juglans regia</i>
Beech	<i>Fagus sylvatica</i>

Sweet chestnut *Castanea sativa*
Lime *Tilia sp.*

Additional information: Improved grassland with ridge and furrow. Scattered, planted broadleaved trees.

Target Note Reference: SK6217 TN4

Survey Date: 20th August 2010 *Surveyor:* Tim Smith
Grid Reference: SK 6239 1719 *Habitat Type(s):* Scattered broadleaved trees over semi-improved neutral grassland

Key Floral Species:-

Common knapweed	<i>Centaurea nigra</i>
Meadow vetchling	<i>Lathyrus pratensis</i>
Common bird's foot trefoil	<i>Lotus corniculatus</i>
Lady's bedstraw	<i>Galium verum</i>
Goat's beard	<i>Tragopogon pratensis</i>
Glaucous sedge	<i>Carex flacca</i>
Horse chestnut	<i>Aesculus hippocastanum</i>

Additional information: Road verge. Part open rough grassland and part mown. Scattered trees and shrubs throughout. Not as diverse as elsewhere on verge, see SK6217 TN1. Part of Local Wildlife Site W6217/2.

Target Note Reference: SK 6217 TN5

Survey Date: 20th August 2010 *Surveyor:* Tim Smith
Grid Reference: SK 6258 1701 *Habitat Type(s):* Scattered broadleaved trees over species-poor semi-improved grassland

Key Floral Species:-

Common knapweed	<i>Centaurea nigra</i>
Meadow vetchling	<i>Lathyrus pratensis</i>
Common bird's foot trefoil	<i>Lotus corniculatus</i>
Lady's bedstraw	<i>Galium verum</i>
Goat's beard	<i>Tragopogon pratensis</i>
Glaucous sedge	<i>Carex flacca</i>
Horse chestnut	<i>Aesculus hippocastanum</i>

Additional information: Road verge. Part open rough grassland and part mown. Scattered trees and shrubs throughout. Not as diverse as elsewhere on verge, see SK6217 TN1. Part of Local Wildlife Site W6217/2.

Target Note Reference: SK6217 TN6

Survey Date: 20th August 2010 *Surveyor:* Tim Smith
Grid Reference: SK 6246 1697 *Habitat Type(s):* Species-poor semi-improved grassland

Additional information: Designated as Local Wildlife Site W6217/1 in October 2005 but grassland appears to have declined in quality and is now unmown rank grassland.

Target Note Reference: SK6217 TN7

Survey Date: 20th August 2010 *Surveyor:* Tim Smith
Grid Reference: SK 6202 1796 *Habitat Type(s):* Semi-improved neutral grassland

Key Floral Species:

White clover	<i>Trifolium repens</i>
Self heal	<i>Prunella vulgaris</i>
Crested dog's tail	<i>Cynosurus cristatus</i>
Ribwort plantain	<i>Plantago lanceolata</i>
Creeping buttercup	<i>Ranunculus repens</i>
Meadow buttercup	<i>Ranunculus acris</i>
Smooth hawk's beard	<i>Crepis capillaris</i>
Common bird's foot trefoil	<i>Lotus corniculatus</i>
Red clover	<i>Trifolium pratense</i>
Common bent	<i>Agrostis capillaris</i>
Dandelion	<i>Taraxacum officinale agg.</i>
Perennial rye grass	<i>Lolium perenne</i>
Red bartsia	<i>Odontites vernus</i>
Yorkshire fog	<i>Holcus lanatus</i>
Greater plantain	<i>Plantago major</i>
Common sorrel	<i>Rumex acetosa</i>
Autumn hawkbit	<i>Leontodon autumnalis</i>
Lesser hawkbit	<i>Leontodon saxatilis</i>
Common nettle	<i>Urtica dioica</i>

Additional information: Part of as Local Wildlife Site W6217/3. Horse grazed semi-neutral grassland. Ridge and furrow.

Target Note Reference: SK6217 TN8Survey Date: 20th August 2010

Surveyor: Tim Smith

Grid Reference: SK 6210 1787 Habitat Type(s): Species-poor semi-improved grassland

Key Floral Species:

Common nettle	<i>Urtica dioica</i>
Creeping thistle	<i>Cirsium arvense</i>
Spear thistle	<i>Cirsium vulgare</i>
Dandelion	<i>Taraxacum officinale</i> agg.
Broad-leaved dock	<i>Rumex obtusifolius</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information: Designated as part of Local Wildlife Site W6217/3. Sheep grazed poor semi-improved neutral grassland. Grass dominated with common nettle and other tall ruderal species. Some scattered hawthorn scrub, particularly around hollow in field.

1km Grid Square SK6219Target Note Reference: SK6219 TN1

Survey Date: 6th September 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 6269 1916 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Dog rose	<i>Rosa canina</i>
Ash	<i>Fraxinus excelsior</i>
Dogwood	<i>Cornus sanguinea</i>
English Elm	<i>Ulmus procera</i>
Elder	<i>Sambucus nigra</i>
Goat Willow	<i>Salix caprea</i>

Target Note Reference: SK6219 TN2

Survey Date: 6th September 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 6267 1960 Habitat Type(s): Improved grassland / construction site

Additional information: Poultry farm being constructed on former improved grassland.

1km Grid Square SK6221**Target Note Reference: SK6221 TN1**

Survey Date: 28th February 2011 *Surveyor:* Steve Ralph MSc MIEEM
Grid Reference: SK 6294 2130 *Habitat Type(s):* Standing water eutrophic (pond)
Key Floral Species:-

Common duckweed	<i>Lemna minor</i>
Ash	<i>Fraxinus excelsior</i>
Crack willow	<i>Salix fragilis</i>
Hawthorn	<i>Crataegus monogyna</i>
Goat willow	<i>Salix caprea</i>

Additional information: Pond 8x8m and shallow. Shaded by ash and scrub.

Target Note Reference: SK6221 TN2

Survey Date: 28th February 2011 *Surveyor:* Steve Ralph MSc MIEEM
Grid Reference: SK 6292 2129 *Habitat Type(s):* Running water (woodland stream)
Key Floral Species:-

Brook lime	<i>Veronica beccabunga</i>
------------	----------------------------

Additional information: Stream running along woodland edge. Shallow and approximately 60cm wide.

Target Note Reference: SK6221 TN3

Survey Date: 28th February 2011 *Surveyor:* Steve Ralph MSc MIEEM
Grid Reference: SK 6201 2177 *Habitat Type(s):* Species-rich hedgerow with trees
Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Elm	<i>Ulmus procera</i>
Dog rose	<i>Rosa canina</i>
Hawthorn	<i>Crataegus monogyna</i>
Elder	<i>Sambucus nigra</i>
Blackthorn	<i>Prunus spinosa</i>
Field maple	<i>Acer campestre</i>

Target Note Reference: SK6221 TN4

Survey Date: 28th February 2011 *Surveyor:* Steve Ralph MSc MIEEM
Grid Reference: SK 6240 2168 *Habitat Type(s):* Standing water eutrophic (pond)
Key Floral Species:-

Weeping willow	<i>Salix babylonica</i>
Common nettle	<i>Urtica dioica</i>

Additional information: Pond which is an extension of a nearby stream. Shaded by weeping willow on bank and surrounded by tall ruderal vegetation.

Target Note Reference: SK6221 TN5

Survey Date: 28th February 2011 *Surveyor:* Steve Ralph MSc MIEEM
Grid Reference: SK 6246 2112 *Habitat Type(s):* Standing water eutrophic (pond)
Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Silver birch	<i>Betula pendula</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information: Pond 10x8m. Stagnant with wide muddy banks. Algae coverage totals approximately 40%. Some tall ruderal vegetation but no reeds.

1km Grid Square SK6222Target Note Reference: SK6222 TN1

Survey Date: 27th June 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6228 2295 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Ash	<i>Fraxinus excelsior</i>
Dog rose	<i>Rosa canina</i>
Field maple	<i>Acer campestre</i>
Crab apple	<i>Malus sylvestris</i>
Hazel	<i>Corylus avellana</i>

Target Note Reference: SK6222 TN2

Survey Date: 27th June 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6250 2294 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Ash	<i>Fraxinus excelsior</i>
Field maple	<i>Acer campestre</i>
Crab apple	<i>Malus sylvestris</i>
English elm	<i>Ulmus procera</i>
Crack willow	<i>Salix fragilis</i>

Target Note Reference: SK6222 TN3

Survey Date: 27th June 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6257 2261 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Blackthorn	<i>Prunus spinosa</i>
Field maple	<i>Acer campestre</i>
English elm	<i>Ulmus procera</i>
Crack willow	<i>Salix fragilis</i>
Pedunculate oak	<i>Quercus robur</i>

Gorse
Dog rose
Hazel

Ulex europaeus
Rosa canina
Corylus avellana

Target Note Reference: SK6222 TN4

Survey Date: 27th June 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6290 2253 Habitat Type(s): Semi-improved neutral grassland, species-rich hedgerows.

Key Floral Species:-

Grassland –road verge

Tufted vetch	<i>Vicia cracca</i>
Bramble	<i>Rubus fruticosus</i>
Bird's foot trefoil	<i>Lotus corniculatus</i>
North hedge	
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Field Maple	<i>Acer campestre</i>
Sycamore	<i>Acer pseudoplatanus</i>
Ash	<i>Fraxinus excelsior</i>
Goat willow	<i>Salix caprea</i>
Gorse	<i>Ulex europaeus</i>
Dog rose	<i>Rosa canina</i>
South hedge	
Hawthorn	<i>Crataegus monogyna</i>
Crab Apple	<i>Malus sylvestris</i>
Dog rose	<i>Rosa canina</i>
Ash	<i>Fraxinus excelsior</i>
Field Maple	<i>Acer campestre</i>
Gorse	<i>Ulex europaeus</i>
Elder	<i>Sambucus nigra</i>

Additional information: Designated as part of Local Wildlife Site W6222/2.

Target Note Reference: SK 6222 TN5

Survey Date: 27th June 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6203 2223 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Blackthorn	<i>Prunus spinosa</i>
English elm	<i>Ulmus procera</i>
Crack willow	<i>Salix fragilis</i>
Dog rose	<i>Rosa canina</i>
Hazel	<i>Corylus avellana</i>

Target Note Reference: SK 6222 TN6

Survey Date: 28th February 2011 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6235 2223 Habitat Type(s): Standing water eutrophic (pond), scrub, arable.

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Reedmace	<i>Typha latifolia</i>

Additional information: Small pond, 10x5m. Partly shaded by hawthorn scrub, some reedmace margins. The pond is full of organic matter and algae with no aquatic vegetation and large rusting pieces of farm machinery in the water. There were a pair of nesting herons (*Ardea cinerea*). The two arable fields either side of the pond are part of Harrow Farm LWS W6122/2, but have clearly been ploughed.

Target Note Reference: SK 6222 TN7

Survey Date: 19th April 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 6208 2287 Habitat Type(s): Species-poor semi-improved neutral grassland.

Key Floral Species:-

White clover	<i>Trifolium repens</i>
Bush vetch	<i>Vicia sepium</i>
Red fescue	<i>Festuca rubra</i>
Yorkshire fog	<i>Holcus lanatus</i>
False oat-grass	<i>Arrhenatherum elatius</i>
Bird's foot trefoil	<i>Lotus corniculatus</i>

Small-flowered Crane's bill

Daisy

Broad-Leaved dock

Curled dock

Greater plantain

Common nettle

Ground ivy

Cow parsley

Great willowherb

Bristly oxtongue

Thistle

Dandelion

Geranium pusillum

Bellis perennis

Rumex obtusifolius

Rumex crispus

Plantago major

Urtica dioica

Glechomahederacea

Anthriscus sylvestris

Epilobium hirsutum

Picris echioides

Cirsium sp

Taraxacum officinale

Additional information: Grassland is quite diverse and possibly of higher quality, but contains only common species.

Target Note Reference: SK6222 TN8

Survey Date: 19th April 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 6216 2291 Habitat Type(s): Standing water eutrophic.

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Goat Willow	<i>Salix caprea</i>
Hard rush	<i>Juncus inflexus</i>
Cuckoo flower	<i>Cardamine pratensis</i>
Jointed rush	<i>Juncus articulatus</i>
Broadleaved pondweed	<i>Potamogeton natans</i>

Additional information: 12x12m circular pond, 50cm to 1m deep. Open and not shaded.

Target Note Reference: SK6222 TN9

Survey Date: 19th April 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 6241 2291 Habitat Type(s): Standing water eutrophic.

Key Floral Species:-

Goat Willow	<i>Salix caprea</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Lesser Celandine	<i>Ranunculus ficaria</i>

Water cress *Rorippa nasturtium-aquaticum* agg.
 Water Starwort *Callitriche stagnalis* sens.lat.

Additional information: 13x6m pond, Very shaded by surrounding scrub. Vegetation poached by stock.

Target Note Reference: SK6222 TN10

Survey Date: 10TH September 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6205 2288 *Habitat Type(s):* Standing water eutrophic.

Key Floral Species:-

Broad-leaved Pondweed	<i>Potamogeton natans</i>
Floating Sweet-grass	<i>Glyceria fluitans</i>
Brooklime	<i>Veronica beccabunga</i>
Hoary Willowherb	<i>Epilobium parviflorum</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Hard Rush	<i>Juncus inflexus</i>

Additional information: Almost dry at time of survey (1 x 2m) with evidence of usual larger size of 8 x 5m.

1km Grid Square SK6223Target Note Reference: SK6223 TN1

Survey Date: 16th June 2010 Surveyor: Sean Gallagher MSc MIEEM
 Grid Reference: SK 6220 2340 Habitat Type(s): Standing water eutrophic (pond)

Key Floral Species:-

Reedmace	<i>Typha latifolia</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information: Small pond 10x5m. Muddy with no aquatic vegetation, reedmace swamp at margins, scrubby margin.

Target Note Reference: SK6223 TN2

Survey Date: 16th June 2010 Surveyor: Sean Gallagher MSc MIEEM
 Grid Reference: SK 6228 2319 Habitat Type(s): Standing water eutrophic (pond)

Key Floral Species:-

Broadleaved pondweed	<i>Potamogeton natans</i>
Reed sweet grass	<i>Glyceria maxima</i>
Soft rush	<i>Juncus effusus</i>
Hard rush	<i>Juncus inflexus</i>
Reedmace	<i>Typha latifolia</i>
Grey willow	<i>Salix cinerea</i>

Additional information: Small pond 10m diameter. Good condition and unshaded, with rush and willow scrub margins. Possible former decoy pond.

Target Note Reference: SK6223 TN3

Survey Date: 16th June 2010 Surveyor: Sean Gallagher MSc MIEEM
 Grid Reference: SK 6246 2362 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Ash	<i>Fraxinus excelsior</i>
Dog rose	<i>Rosa canina</i>
Elder	<i>Sambucus nigra</i>
Field maple	<i>Acer campestre</i>

Crab apple
 Lime
 Hazel
 English elm

Malus sylvestris
Tilia sp
Corylus avellana
Ulmus procera

Target Note Reference: SK6223 TN4

Survey Date: 28th July 2010 Surveyor: Sean Gallagher MSc MIEEM
 Grid Reference: SK 6277 2340 Habitat Type(s): Standing water eutrophic (pond)

Key Floral Species:-

Yellow flag	<i>Iris pseudacorus</i>
Lesser reedmace	<i>Typha angustifolia</i>
Greater reedmace	<i>Typha latifolia</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information: Small pond 15x15m diameter. Clear water. Hawthorn scrub and greater reedmace margins, lesser Reedmace and yellow flag closer in.

Target Note Reference: SK6223 TN5

Survey Date: 28th July 2010 Surveyor: Sean Gallagher MSc MIEEM
 Grid Reference: SK 6277 2329 Habitat Type(s): Dry Watercourse, species-poor semi-improved grassland.

Key Floral Species:-

Tufted hair grass	<i>Deschampsia caespitosa</i>
Common nettle	<i>Urtica dioica</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Broad leaved dock	<i>Rumex obtusifolius</i>
Meadow thistle	<i>Cirsium dissectum</i>

Additional information: Dry watercourse across field, with tall ruderal strips. Field itself assessed as poor semi-improved grassland overall but patches are higher quality.

Target Note Reference: SK6223 TN6

Survey Date: 28th July 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6288 2315 Habitat Type(s): Poor semi-improved grassland and marshy grassland.

Key Floral Species:-

Tufted hair grass	<i>Deschampsia caespitosa</i>	Dominant
Cowslip	<i>Primula veris</i>	
Lady's bedstraw	<i>Galium verum</i>	
Meadowsweet	<i>Filipendula ulmaria</i>	
Great willowherb	<i>Epilobium hirsutum</i>	

Additional information: Wet area in field. Includes drying pond now reduced to a cattle poached area.

1km Grid Square SK6224**Target Note Reference: SK6224 TN1**

Survey Date: 23rd July 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6222 2479 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

False oat grass	<i>Arrhenatherum elatius</i>
Cock's foot	<i>Dactylis gomerata</i>
Yorkshire fog	<i>Holcus lanatus</i>
Tufted hair grass	<i>Deschampsia caespitosa</i>
Common ragwort	<i>Senecio jacobaea</i>
Upright hedge parsley	<i>Torilis japonica</i>
Rush species	<i>Juncus sp.</i>
Bramble	<i>Rubus fruticosus</i>

Additional information: Area of semi-improved neutral grassland along road verge. Designated as part of Local Wildlife Site W6224/1. Partly mown but with dense ruderals and bramble near hedge. A seasonally dry ditch runs alongside the hedgerow.

Target Note Reference: SK6224 TN2

Survey Date: 23rd July 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6266 2496 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Hazel	<i>Corylus avellana</i>
English elm	<i>Ulmus procera</i>
Elder	<i>Sambucus nigra</i>
Crab apple	<i>Malus sylvestris</i>
Crack willow	<i>Salix fragilis</i>
Field maple	<i>Acer campestre</i>

Additional information: Tall, unmanaged hedgerow. Most elm immature and dead.

Target Note Reference: SK6224 TN3

Survey Date: 23rd July 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6240 2477 Habitat Type(s): Species-rich hedgerow

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Ash	<i>Fraxinus excelsior</i>
Elder	<i>Sambucus nigra</i>
Crab apple	<i>Malus sylvestris</i>
Guelder rose	<i>Viburnum opulus</i>
Buckthorn	<i>Rhamnus cathartica</i>

Target Note Reference: SK6224 TN4

Survey Date: 23rd July 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6253 2482 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Broadleaved pondweed	<i>Potamogeton natans</i>
Hawthorn	<i>Crataegus monogyna</i>
English elm	<i>Ulmus procera</i>

Additional Information: Pond approximately 24m by 10m wide at widest point. Clear water, mostly shaded.

Target Note Reference: SK6224 TN5

Survey Date: 23rd July 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6271 2481 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Yorkshire fog	<i>Holcus lanatus</i>
Meadow buttercup	<i>Ranunculus acris</i>
Great burnet	<i>Sanguisorba officinalis</i>
Meadow foxtail	<i>Alopecurus pratensis</i>

Additional Information: Semi-improved neutral grassland field to south has similar species.

Target Note Reference: SK6224 TN6

Survey Date: 23rd July 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6249 2473 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Broadleaved pondweed	<i>Potamogeton natans</i>
Reedmace	<i>Typha latifolia</i>
Water starwort species	<i>Callitriche sp.</i>
Fan-leaved water crowfoot	<i>Ranunculus circinatus</i>
Hard rush	<i>Juncus inflexus</i>
Ivy-leaved duck weed	<i>Lemma trisulca</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Pinus spinosa</i>

Additional Information: Pond, approximately 35m long and 20m wide at widest point. Clear water with broadleaved pondweed. Partially shaded by hawthorn on bank.

Target Note Reference: SK6224 TN7

Survey Date: 23rd July 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6228 2435 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>

Additional Information: Pond with muddy water. No marginal or aquatic vegetation. Margins poached by sheep. Shaded by hawthorn and ash.

Target Note Reference: SK6224 TN8

Survey Date: 23rd July 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6270 2409 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Crack willow	<i>Salix fragilis</i>
Wych elm	<i>Ulmus glabra</i>
Elder	<i>Sambucus nigra</i>
Dog rose	<i>Rosa canina</i>
Buckthorn	<i>Rhamnus cathartica</i>

1km Grid Square SK6225**Target Note Reference: SK6225 TN1**

Survey Date: 23rd July 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6267 2514 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Broadleaved pondweed *Potamogeton natans*

Additional information: Small pond (4m x 3m approximately) in hedgerow between fields. At time of survey, dried out and very shallow.

Target Note Reference: SK6225 TN2

Survey Date: 23rd July 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6243 2529 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Ash	<i>Fraxinus excelsior</i>
Elder	<i>Sambucus nigra</i>
Grey willow	<i>Salix cinerea</i>
Aspen	<i>Populus tremula</i>
Field maple	<i>Acer campestre</i>

Target Note Reference: SK6225 TN3

Survey Date: 23rd July 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6212 2506 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Elder	<i>Sambucus nigra</i>
Hawthorn	<i>Crataegus monogyna</i>
Field maple	<i>Acer campestre</i>
Blackthorn	<i>Prunus spinosa</i>
Dog rose	<i>Rosa canina</i>
Crab apple	<i>Malus sylvestris</i>
Ash	<i>Fraxinus excelsior</i>

Target Note Reference: SK6225 TN4

Survey Date: 23rd July 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6205 2523 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Goat willow	<i>Salix caprea</i>
Dog rose	<i>Rosa canina</i>
Field maple	<i>Acer campestre</i>
Ash	<i>Fraxinus excelsior</i>
Elder	<i>Sambucus nigra</i>
Crab apple	<i>Malus sylvestris</i>
English elm	<i>Ulmus procera</i>

Target Note Reference: SK6225 TN5

Survey Date: 23rd July 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6248 2540 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Broadleaved pondweed	<i>Potamogeton natans</i>
Soft rush	<i>Juncus effusus</i>
Water pepper	<i>Persicaria hydropiper</i>
Hawthorn	<i>Crataegus monogyna</i>
Willow species	<i>Salix sp.</i>
Blackthorn	<i>Prunus spinosa</i>
Yellow iris	<i>Iris pseudacorus</i>

Additional information: Pond (10m x 4.5m) with clear water. Some marginal shrubs but water unshaded.

Target Note Reference: SK6225 TN6

Survey Date: 23rd July 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6215 2534 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Broadleaved pondweed	<i>Potamogeton natans</i>
Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Branched bur-reed	<i>Sparganium erectum</i>

Soft rush	<i>Juncus effusus</i>
Water plantain	<i>Alisma plantago-aquatica</i>
Great willowherb	<i>Epilobium hirsutum</i>
False fox sedge	<i>Carex otrubae</i>

Additional information: Pond (8x15m) with muddy water. Half shaded by mature ash tree and hawthorn scrub.

1km Grid Square SK6309Target Note Reference: SK6309 TN1

Survey Date: 5th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM
 Grid Reference: SK 6353 0962 Habitat Type(s): Species-poor semi-improved grassland
 (with scattered mature broadleaved trees)

Key floral species:-

Pedunculate Oak

Quercus robur

Additional information: Parkland of Species-poor semi-improved grassland with scattered oak trees, some of which are new plantings. The area also shows evidence of ridge and furrow.

Target Note Reference: SK6309 TN2

Survey Date: 5th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM
 Grid Reference: SK 6360 0941 Habitat Type(s): Species-poor semi-improved grassland
 (with scattered mature broadleaved trees)

Key floral species:-

Pedunculate Oak

Quercus robur

Additional information: Parkland of poor semi-improved grassland with scattered oak trees, some of which are new plantings. The area also shows evidence of ridge and furrow.

Target Note Reference: SK6309 TN3

Survey Date: 5th October 2011 Surveyor: Zoe Jackson MSc Grad IEEM
 Grid Reference: SK 6371 0924 Habitat Type(s): Arable

Key floral species:-

Cornflower

Corn Marigold

Broad-leaved Dock

Creeping Thistle

Shepherd's-purse

Scented Mayweed

Common Chickweed

White Clover

White Campion

Centaurea cyannus

Chrysanthemum segetum

Rumex obtusifolius

Cirsium arvense

Capsella bursa-pastoris

Matricaria recutita

Stellaria media

Trifolium repens

Silene latifolia

Ribwort Plantain

a knotgrass

Red Campion

Common Poppy

Common Nettle

Common Mallow

Corncockle

Plantago lanceolata

Polygonum sp.

Silene dioica

Papaver rhoeas

Urtica dioica

Malva sylvestris

Agrostemma githago

Additional information: Small area of planted flowers approximately 5 m wide at the edge of an arable field.

1km Grid Square SK6313Target Note Reference: SK6313 TN1

Survey Date: 30th June 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 6311 1340 Habitat Type(s): Standing water

Bank side species:-

Crack willow *Salix fragilis*

Aquatic and marginal species:

Reed Sweet-grass *Glyceria maxima*

Common Reed *Phragmites australis*

Reedmace *Typha latifolia*

Lesser Pond-sedge *Carex acutiformis*

Yellow Water-lily *Nuphar lutea*

Additional information: Large fishing lake in southern part of the golf course. Surveyor observed red-eyed damselfly (*Erythromma najas*) and breeding coot (*Fulica sp.*), great crested grebe (*Podiceps cristatus*). Reed warbler (*Acrocephalus sp.*) and reed bunting (*Emberiza schoeniclus*) were also present.

Target Note Reference: SK6313 TN2

Survey Date: 30th June 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 6370 1309 Habitat Type(s): Running water

Key floral species:-

Crack willow *Salix fragilis*

Bramble *Rubus fruticosus agg.*

False wood-brome *Brachypodium sylvaticum*

Hawthorn *Crataegus monogyna*

Additional information: Stream corridor (Queniborough brook) with some suggestions of old woodland remnants.

1km Grid Square SK6314**Target Note Reference: SK6314 TN1**

Survey Date: 21st July 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 6369 1435 *Habitat Type(s):* Wet woodland
Key Floral Species:-
 Crack willow *Salix fragilis*

Additional information: Area of wet woodland with many mature crack willow trees.
 Very dense vegetation that is part of the River Wreake LWS (S.4.7).

Target Note Reference: SK6314 TN2

Survey Date: 21st July 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 6315 1411 *Habitat Type(s):* Wet woodland
Key Floral Species:-
 Himalayan balsam *Impatiens glandulifera*
 Lesser pond sedge *Carex acutiformis*
 Branched bur-reed *Sparganium erectum*

Additional information: Area of wet woodland alongside river.
 Dense stand of invasive Himalayan balsam.

Target Note Reference: SK6314 TN3

Survey Date: 21st July 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 6353 1412 *Habitat Type(s):* Running water (river)
Key Floral Species:-
 Common reed *Phragmites australis*
 Reed canary grass *Phalaris arundinacea*
 Branched bur-reed *Sparganium erectum*
 Arrowhead *Sagittaria sagittifolia*
 Yellow water lily *Nuphar lutea*
 Common club rush *Schoenoplectus lacustris*
 Spiked water milfoil *Myriophyllum spicatum*
 White willow *Salix alba*

Additional information: Part of the River Wreake LWS (S.4.7).

1km Grid Square SK6315

Target Note Reference: SK6315 TN1

Survey Date: 21st July 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 6379 1597 *Habitat Type(s):* Standing water eutrophic (pond)

Key Floral Species:-

Reedmace

Typha latifolia

Common reed

Phragmites australis

New Zealand pygmygrass

Crassula helmsii

Additional information: Very shallow and full of daphnia. At least 60% coverage by reedmace and common reed. Small patches of New Zealand pygmygrass on bank.

1km Grid Square SK6316

Target Note Reference: SK6316 TN1

Survey Date: 20th August 2010

Surveyor: Tim Smith

Grid Reference: SK 6307 1653 *Habitat Type(s):* Tall ruderal & scattered scrub

Key Floral Species:-

Common ragwort

Senecio jacobaea

Dock species

Rumex sp.

Thistle species

Cirsium sp.

False oat grass

Arrhenatherum elatius

Willow species

Salix sp.

Additional information: Area of tall ruderal vegetation with occasional, scattered scrub including young planted willow. No direct access so survey from road.

1km Grid Square SK6317

Target Note Reference: SK6317 TN1

Survey Date: 19th October 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6342 1790 *Habitat Type(s):* Pond surrounded by trees and scrub.

Key Floral Species:-

Hawthorn

Crataegus monogyna

Ash

Fraxinus excelsior

Additional information: No access, viewed through binoculars. No aquatic or marginal vegetation observed (although possibly obscured by trees / scrub).

1km Grid Square SK6318Target Note Reference: SK6318 TN1

Survey Date: 19th October 2011 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 6359 1812 Habitat Type(s): Pond surrounded by trees and scrub.
 Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Broadleaved Pondweed	<i>Potamogeton natans</i>
Hard Rush	<i>Juncus inflexus</i>
Yellow Flag	<i>Iris pseudacorus</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Common Club-rush	<i>Schoenoplectus lacustris</i>

Target Note Reference: SK6318 TN2

Survey Date: 19th October 2011 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 6354 1814 Habitat Type(s): Dry pond with scattered scrub.
 Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Ash	<i>Fraxinus excelsior</i>
Hard Rush	<i>Juncus inflexus</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Reedmace	<i>Typha latifolia</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Common Nettle	<i>Urtica dioica</i>

1km Grid Square SK6319

Target Note Reference: SK6319 TN1

Survey Date: 6th September 2011 *Surveyor:* Zoe Jackson MSc Grad IEEM

Grid Reference: SK 6320 1999 *Habitat Type(s):* Species-rich hedgerow with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Dog rose	<i>Rosa canina</i>
Ash	<i>Fraxinus excelsior</i>
Honeysuckle	<i>Lonicera perichyenum</i>
Wych Elm	<i>Ulmus glabra</i>
Goat Willow	<i>Salix caprea</i>
Elder	<i>Sambucus nigra</i>

Additional information: Bittersweet (*Solanum dulcamara*) also present.

1km Grid Square SK6320Target Note Reference: SK6320 TN1

Survey Date: 28th Feb 2011 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 6368 2044 Habitat Type(s): Species-rich hedgerow
 Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Hazel	<i>Corylus avellana</i>
Pedunculate oak	<i>Quercus robur</i>
Field maple	<i>Acer campestre</i>
Dog rose	<i>Rosa canina</i>
Ash	<i>Fraxinus excelsior</i>
Honeysuckle	<i>Lonicera periclymenum</i>

Target Note Reference: SK6320 TN2

Survey Date: 28th Feb 2011 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 6379 2060 Habitat Type(s): Broadleaved woodland
 Key Floral Species:-

Pedunculate oak	<i>Quercus robur</i>	Dominant
Ash	<i>Fraxinus excelsior</i>	Occasional
Elder	<i>Sambucus nigra</i>	
English elm	<i>Ulmus procera</i>	
Hawthorn	<i>Crataegus monogyna</i>	
Hazel	<i>Corylus avellana</i>	

Limited ground flora bramble (*Rubus fruticosus*) and leaf litter.

Target Note Reference: SK6320 TN3

Survey Date: 28th Feb 2011 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 6354 2037 Habitat Type(s): Species-rich hedgerow
 Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Dog rose	<i>Rosa canina</i>
Hazel	<i>Corylus avellana</i>
Ash	<i>Fraxinus excelsior</i>

Guelder rose
 Field maple
 Crack willow

Viburnum opulus
Acer campestre
Salix fragilis

Target Note Reference: SK6320 TN4

Survey Date: 28th Feb 2011 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 6335 2025 Habitat Type(s): Species-poor hedgerow
 Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Dogrose	<i>Rosa canina</i>
Hazel	<i>Corylus avellana</i>
Field maple	<i>Acer campestre</i>
Ash	<i>Fraxinus excelsior</i>
Dogwood	<i>Cornus sanguinea</i>
Norway maple	<i>Acer platanoides</i>
English elm	<i>Ulmus procera</i>
Wild privet	<i>Ligustrum vulgare</i>
Pedunculate oak	<i>Quercus robur</i>
Black poplar	<i>Populus spp.</i> Non-native

Additional information: Although 11 native species present within the hedgerow, only 1 or 2 were dominant. Other species occurred only occasionally.

Target Note Reference: SK6320 TN5

Survey Date: 28th Feb 2011 Surveyor: Steve Ralph MSc MIEEM
 Grid Reference: SK 6300 2010 Habitat Type(s): Species-poor hedgerow
 Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Elder	<i>Sambucus nigra</i>
Field maple	<i>Acer campestre</i>
Ash	<i>Fraxinus excelsior</i>
Norway maple	<i>Acer platanoides</i>
English elm	<i>Ulmus procera</i>
Gorse	<i>Ulex europaeus</i>
Holly	<i>Ilex aquifolium</i>

Black poplar *Populus* spp. Non-native

Additional information: Although nine native species present within the hedgerow, only 1 or 2 were dominant. Other species occurred only occasionally.

Target Note Reference: SK6320 TN6

Survey Date: 28th Feb 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6344 2032 *Habitat Type(s):* Standing water eutrophic (pond)

Key Floral Species:-

Soft rush (on banks) *Juncus effusus*

Additional information: 35m x 18m, over 50cm deep. Open water with little shading.

Target Note Reference: SK6320 TN7

Survey Date: 28th Feb 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6351 2036 *Habitat Type(s):* Standing water eutrophic (pond)

Key Floral Species:-

Pedunculate oak	<i>Quercus robur</i>
English elm	<i>Ulmus procera</i>
Crack willow	<i>Salix fragilis</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information: 10m x 5m, over 50cm deep, tall ruderal vegetation on banks. Shaded by trees and scrub. No aquatic vegetation.

1km Grid Square SK6321Target Note Reference: SK6321 TN1

Survey Date: 4th March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6394 2113 Habitat Type(s): Standing water eutrophic (pond)

Key Floral Species:-

Crack willow

Salix fragilis

Pink purslane

Claytonia sibirica

Additional information: Pond 30x10m and 50cm deep. Heavily shaded by crack willow. No aquatic vegetation. Banks similar to surrounding woodland.

Target Note Reference: SK6321 TN2

Survey Date: 28th February 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6375 2177 Habitat Type(s): Standing water eutrophic (pond)

Key Floral Species:-

Hawthorn

Crataegus monogyna

Floating sweet grass

Glyceria fluitans

Hard rush

Juncus inflexis

Duckweed

Lemna minor

Additional information: Pond 15x6m. Hawthorn scrub around edges.

Target Note Reference: SK6321 TN3

Survey Date: 28th February 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6329 2190 Habitat Type(s): Standing water eutrophic (pond)

Key Floral Species:-

Hard rush

Juncus inflexis

Lombardy poplar

Populus nigra italica

Additional information: Pond 6x4m. No aquatic vegetation. Two Lombardy poplar trees at edge.

Target Note Reference: SK6321 TN4

Survey Date: 28th February 2011

Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6358 2133 Habitat Type(s): Standing water eutrophic (pond)

Key Floral Species:-

Soft rush

Juncus effusus

Floating sweet grass

Glyceria fluitans

Additional information: Duck pond, 20x15m with small island supporting conifer trees.

Target Note Reference: SK6321 TN5

Survey Date: 28th February 2011

Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6360 2130 Habitat Type(s): Standing water eutrophic (pond)

Key Floral Species:-

Soft rush

Juncus effusus

Floating sweet grass

Glyceria fluitans

Additional information: Duck pond as with SK6321 TN4 but larger in size.

Target Note Reference: SK6321 TN6

Survey Date: 28th February 2011

Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6392 2107 Habitat Type(s): Standing water eutrophic

Key Floral Species:-

Hawthorn

Crataegus monogyna

Crack Willow

Salix fragilis

Floating Sweet-grass

Glyceria fluitans

Additional information: Pond 5m x 5m, heavily shaded.

1km Grid Square SK6322**Target Note Reference: SK6322 TN1**

Survey Date: 28th July 2010 *Surveyor:* Sean Gallagher MSc MIEEM

Grid Reference: SK 6335 2221 *Habitat Type(s):* Standing water eutrophic (pond)

Key Floral Species:-

Broadleaved pondweed *Potamogeton natans*

Additional information: Pond, 30x10m. One of the Wymeswold Lodge Ponds LWS (CBC W 6322/1).

Target Note Reference: SK6322 TN2

Survey Date: 28th July 2010 *Surveyor:* Sean Gallagher MSc MIEEM

Grid Reference: SK6358 2228 *Habitat Type(s):* Standing water eutrophic (pond)

Key Floral Species:-

Broadleaved pondweed *Potamogeton natans*

Creeping bent *Agrostis stolonifera*

Hard rush *Juncus inflexus*

Goat willow *Salix caprea*

Bramble *Rubus fruticosus*

Additional information: Pond, 30x10m, willow and bramble surrounding. One of the Wymeswold Lodge Ponds LWS (CBC W 6322/1).

Target Note Reference: SK6322 TN3

Survey Date: 19th April 2010 *Surveyor:* Zoe Jackson MSc Grad IEEM

Grid Reference: SK6305 2296 *Habitat Type(s):* Standing water eutrophic (pond and lake)

Key Floral Species:-

Crack willow *Salix fragilis*

Reedmace *Typha latifolia*

Common reed *Phragmites australis*

Additional information: Large fishing lake and small pond across footpath to south. The small pond is 9x5m and shaded by large crack willows but has no aquatic vegetation. No access was possible to larger fishing lake to the north, little aquatic vegetation was visible but reedmace and common reed could be seen through binoculars.

1km Grid Square SK6324**Target Note Reference: SK6324 TN1**

Survey Date: 23rd July 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6332 2432 Habitat Type(s): Standing water eutrophic (pond)

Key Floral Species:-

White water lily	<i>Nymphaea alba</i>
Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>

Additional information: 20m x 10m pond surrounded by hawthorn and ash. Occasional water lilies. Good water quality.

Target Note Reference: SK6324 TN2

Survey Date: 23rd July 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6345 2419 Habitat Type(s): Standing water eutrophic (pond)

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
----------	---------------------------

Additional information: 10m x 2m with stagnant water full of algae.

Target Note Reference: SK6324 TN3

Survey Date: 23rd July 2010 Surveyor: Sean Gallagher MSc MIEEM

Grid Reference: SK 6350 2410 Habitat Type(s): Standing water eutrophic (pond)

Key Floral Species:-

White water lily	<i>Nymphaea alba</i>
Hawthorn	<i>Crataegus monogyna</i>
Elder	<i>Sambucus nigra</i>

Additional information: Circular pond approximately 10m². Water lily covering 50% of surface. Good water quality. Hawthorn and elder on banks.

1km Grid Square SK6409

Target Note Reference: SK6409 TN1

Survey Date: 19th July 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 6418 0995 *Habitat Type(s):* Standing water (pond)

Additional information: Tiny pond densely surrounded by willow scrub. No submerged vegetation.

1km Grid Square SK6410**Target Note Reference: SK6410 TN1**

Survey Date: 1st July 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 6477 1057 *Habitat Type(s):* Tall ruderal

Key Floral Species:

Sunflower	<i>Helianthus annuus</i>
Creeping thistle	<i>Cirsium arvense</i>
Broadleaved dock	<i>Rumex obtusifolius</i>
Hogweed	<i>Heracleum sphondylium</i>
Broadleaved willowherb	<i>Epilobium hirsutum</i>

Additional information: Planted conservation area of tall ruderal vegetation, predominantly sunflower.

Target Note Reference: SK6410 TN2

Survey Date: 1st July 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 6446 1085 *Habitat Type(s):* Standing water (pond)

Key Floral Species:

White willow	<i>Salix alba</i>
Reedmace	<i>Typha latifolia</i>
Gypsywort	<i>Lycopus europaeus</i>

Additional information: At time of survey, hollow completely dry but vegetation suggests may still contain water for part of the year.

1km Grid Square SK6411**Target Note Reference: SK6411 TN1**

Survey Date: 1st July 2010 Surveyor: Mike Poulton AIEEM
 Grid Reference: SK 6458 1179 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Common bird's foot trefoil	<i>Lotus corniculatus</i>
Meadow barley	<i>Hordeum secalinum</i>
Black knapweed	<i>Centaurea nigra</i>
White clover	<i>Trifolium repens</i>
Red clover	<i>Trifolium pratense</i>
Meadow buttercup	<i>Ranunculus acris</i>
Common sorrel	<i>Rumex acetosa</i>
Common bent	<i>Agrostis capillaris</i>

Additional information: Range of herb and grass species. Meadow barley particularly common throughout.

Target Note Reference: SK6411 TN2

Survey Date: 1st July 2010 Surveyor: Mike Poulton AIEEM
 Grid Reference: SK 6461 1182 Habitat Type(s): Dry ditch

Key Floral Species:-

Soft rush	<i>Juncus effusus</i>
Common duckweed	<i>Lemna minor</i>

Target Note Reference: SK6411 TN3

Survey Date: 1st July 2010 Surveyor: Mike Poulton AIEEM
 Grid Reference: SK 6489 1109 Habitat Type(s): Semi-improved neutral grassland and standing water (pond)

Key Floral Species:-

False oat grass	<i>Arrhenatherum elatius</i>
Cow parsley	<i>Anthriscus sylvestris</i>
Broadleaved dock	<i>Rumex obtusifolius</i>
Hogweed	<i>Heracleum sphondylium</i>

Additional information: Tall, unmanaged grassland dominated by ruderals. Pond designated as Local Wildlife Site W6411/5 in 2002 for presence of great crested newts and for forming cluster of ponds in nearby area.

Target Note Reference: SK6411 TN4

Survey Date: 1st July 2010 Surveyor: Mike Poulton AIEEM
 Grid Reference: SK 6493 1116 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Great willowherb	<i>Epilobium hirsutum</i>
Branched bur-reed	<i>Sparganium erectum</i>
Gypsywort	<i>Lycopus europaeus</i>

Additional information: Heavily silted, no submerged vegetation but some marginal vegetation. Encroached by hawthorn scrub.

Target Note Reference: SK6411 TN5

Survey Date: 1st July 2010 Surveyor: Mike Poulton AIEEM
 Grid Reference: SK 6476 1120 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Rigid hornwort	<i>Ceratophyllum demersum</i>
Ivy leaved duckweed	<i>Lemna trisulca</i>
Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information: Steeply sided with one edge heavily poached by horses. No emergent vegetation. Some hawthorn and ash scrub.

Target Note Reference: SK6411 TN6

Survey Date: 1st July 2010 Surveyor: Mike Poulton AIEEM
 Grid Reference: SK 6482 1188 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Cock's foot	<i>Dactylus glomerata</i>
False oat grass	<i>Arrhenatherum elatius</i>
Yorkshire gog	<i>Holcus lanatus</i>

Lady's bedstraw	<i>Galium verum</i>	Yarrow	<i>Achillea millefolium</i>
Common knapweed	<i>Centaurea nigra</i>	Field woodrush	<i>Luzula campestris</i>
Sweet vernal grass	<i>Anthoxanthum odoratum</i>	Meadow barley	<i>Hordeum secalinum</i>
Meadow foxtail	<i>Alopecurus pratensis</i>		
Red fescue	<i>Festuca rubra</i>		
White clover	<i>Trifolium repens</i>		
Red clover	<i>Trifolium pratense</i>		
Ribwort plantain	<i>Plantago lanceolata</i>		
Meadow buttercup	<i>Ranunculus acris</i>		
Timothy	<i>Phleum pratense sens.lat.</i>		
Creeping thistle	<i>Cirsium arvense</i>		
Hogweed	<i>Heracleum sphondylium</i>		
Common mouse ear	<i>Cerastium fontanum ssp. vulgare</i>		
Soft brome	<i>Bromus hordeaceus</i>		
Common sorrel	<i>Rumex acetosa</i>		

Additional information: Two very similar semi-improved neutral grassland fields, the northern is designated as Local Wildlife Site W6411/1. Grassland still considered to be semi-improved neutral grassland but three species of tall grass (cock's foot, false oat grass and yorkshire fog) are beginning to dominate, especially in the southern field.

Target Note Reference: SK6411 TN7

Survey Date: 1st July 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 6476 1159 *Habitat Type(s):* Semi-improved neutral grassland

Key Floral Species:-

Yellow rattle	<i>Rhinanthus minor</i>
Common bird's foot trefoil	<i>Lotus corniculatus</i>
Common knapweed	<i>Centaurea nigra</i>
Lady's bedstraw	<i>Galium verum</i>
Common sorrel	<i>Rumex acetosa</i>
Smooth meadow grass	<i>Poa pratensis sens.lat.</i>
Sweet vernal grass	<i>Anthoxanthum odoratum</i>
Meadow foxtail	<i>Alopecurus pratensis</i>
Red fescue	<i>Festuca rubra</i>
Meadow buttercup	<i>Ranunculus acris</i>
Red clover	<i>Trifolium pratense</i>
Lesser stitchwort	<i>Stellaria graminea</i>

1km Grid Square SK6412

Target Note Reference: SK6412 TN1

Survey Date: 20th July 2010 *Surveyor:* Martin Burgess BSc AIEEM

Grid Reference: SK 6475 1248 *Habitat Type(s):* Running water (brook)

Key Floral Species:

Branched bur-reed

Sparganium erectum

Ash

Fraxinus excelsior

Additional information: Very slow flowing brook at time of survey. Little marginal or aquatic vegetation but some branched bur-reed. Overshadowed by broadleaved trees either side.

1km Grid Square SK6413

Target Note Reference: SK6413 TN1

Survey Date: 20th July 2010 *Surveyor:* Martin Burgess BSc AIEEM

Grid Reference: SK 6415 1395 *Habitat Type(s):* Standing water (pond)

Key Floral Species:

Rush species

Juncus sp.

Reedmace

Typha latifolia

Common reed

Phragmites australis

Willow species

Salix sp.

Additional information: Steep banked pond. Some marginal vegetation and willow trees surrounding.

1km Grid Square SK6417**Target Note Reference: SK6417 TN1**

Survey Date: 20th August 2010 *Surveyor:* Tim Smith
Grid Reference: SK 6454 1785 *Habitat Type(s):* Standing water (pond)

Additional information: Pond surrounded by trees and shrubs. Surveyed from aerial photograph, no access.

Target Note Reference: SK6417 TN2

Survey Date: 20th August 2010 *Surveyor:* Tim Smith
Grid Reference: SK 6423 1729 *Habitat Type(s):* Standing water (pond)

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Ash	<i>Fraxinus excelsior</i>
Elder	<i>Sambucus nigra</i>
Bramble	<i>Rubus fruticosus agg.</i>

Additional information: Margins dry and cattle poached. Surrounded by trees and shrubs.

Target Note Reference: SK6417 TN3

Survey Date: 20th August 2010 *Surveyor:* Tim Smith
Grid Reference: SK 6416 1751 *Habitat Type(s):* Standing water (pond)

Additional information: Margins dry and cattle poached.

1km Grid Square SK6418Target Note Reference: SK6418 TN1

Survey Date: 19th October 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6401 1854 Habitat Type(s): Dry pond surrounded by scrub and trees

Key Floral Species:-

Crack Willow	<i>Salix fragilis</i>
Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information: No marginal vegetation. No obvious signs of having recently held water. Tipped rubbish within base of pond.

Target Note Reference: SK6418 TN2

Survey Date: 19th October 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6404 1852 Habitat Type(s): Dry pond surrounded by scrub and trees

Key Floral Species:-

Field Maple	<i>Acer campestre</i>
Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information: No marginal vegetation. No obvious signs of having recently held water.

1km Grid Square SK6420**Target Note Reference: SK6420 TN1**

Survey Date: 4th March 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6435 2085 *Habitat Type(s):* Semi-improved neutral grassland

Key Floral Species:-

Tufted hair grass	<i>Deschampsia caespitosa</i>
False oat grass	<i>Arrhenatherum elatius</i>
Self heal	<i>Prunella vulgaris</i>
Ribwort plantain	<i>Plantago lanceolata</i>
Common daisy	<i>Bellis perennis</i>
White clover	<i>Trifolium repens</i>
Creeping buttercup	<i>Ranunculus repens</i>
Common sorrel	<i>Rumex acetosa</i>
Oxeye daisy	<i>Leucanthemum vulgare</i>
Glaucous sedge	<i>Carex flacca</i>
Red clover	<i>Trifolium pratense</i>
Black knapweed	<i>Centaurea nigra</i>
Common ragwort	<i>Senecio jacobaea</i>

Additional information: Roadside verge.

Target Note Reference: SK6420 TN2

Survey Date: 3rd March 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6466 2053 *Habitat Type(s):* Broadleaved woodland

Key Floral Species:-

Pedunculate oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Elder	<i>Sambucus nigra</i>
Hazel	<i>Corylus avellana</i>
Holly	<i>Ilex aquifolium</i>
Honeysuckle	<i>Lonicera periclymenum</i>
False brome	<i>Brachypodium sylvaticum</i>
Creeping soft grass	<i>Holcus mollis</i>
Broad buckler fern	<i>Dryopteris dilatata</i>
Red campion	<i>Silene dioica</i>

Target Note Reference: SK6420 TN3

Survey Date: 3rd March 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6421 2032 *Habitat Type(s):* Pond

Key Floral Species:-

Great willowherb	<i>Epilobium hirsutum</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information:- Pond 4x10m. Shaded by hawthorn scrub. No marginal or aquatic vegetation. Tall ruderal habitat on banks.

Target Note Reference: SK6420 TN4

Survey Date: 3rd March 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6426 2041 *Habitat Type(s):* Pond

Key Floral Species:-

Soft rush	<i>Juncus effusus</i>
Floating sweet grass	<i>Glyceria fluitans</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information:- Pond 20x15m and over 50cm deep. No marginal or aquatic vegetation. Some hawthorn scrub around edges.

1km Grid Square SK6421Target Note Reference: SK6421 TN1Survey Date: 4th March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6409 2132 Habitat Type(s): Pond

Key Floral Species:-

Water crows-foot	<i>Ranunculus peltatus</i>
Water cress	<i>Rorippa nasturtium-aquaticum</i> agg.
Water forget-me-not	<i>Myosotis scorpioides</i>
Crack willow	<i>Salix fragilis</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information: Pond 10x4m and 50cm deep. Surrounded by hawthorn scrub.

Target Note Reference: SK6421 TN2Survey Date: 4th March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6422 2101 Habitat Type(s): Broadleaved woodland

Key Floral Species:-

Hazel	<i>Corylus avellana</i>
Oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Crab apple	<i>Malus sylvestris</i>
Silver birch	<i>Betula pendula</i>
Elder	<i>Sambucus nigra</i>
Crack willow	<i>Salix fragilis</i>
Honeysuckle	<i>Lonicera perichyenum</i>
Bramble	<i>Rubus fruticosus</i>
Ivy	<i>Hedera helix</i>
Red campion	<i>Silene dioica</i>
Tufted hair grass	<i>Deschampsia caespitosa</i>
Wood avens	<i>Geum urbanum</i>
Herb Robert	<i>Geranium robertianum</i>
Male fern	<i>Dryopteris filix-mas</i> agg.
Broad buckler fern	<i>Dryopteris dilatata</i>
Cleavers	<i>Galium aparine</i>
Common dog violet	<i>Viola riviniana</i>

Additional information:- Part of SSSI: Twenty Acre Piece.

Target Note Reference: SK6421 TN3Survey Date: 4th March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6408 2104 Habitat Type(s): Semi-improved neutral grassland (damp)

Key Floral Species:-

Marsh thistle	<i>Cirsium palustre</i>
Jointed rush	<i>Juncus articulatus</i>
Self heal	<i>Prunella vulgaris</i>
Betony	<i>Stachys officinalis</i>
Common knapweed	<i>Centaurea nigra</i>
Creeping buttercup	<i>Ranunculus repens</i>
Common sorrel	<i>Rumex acetosa</i>
Glaucous sedge	<i>Carex flacca</i>
Creeping soft grass	<i>Holcus mollis</i>
Hogweed	<i>Heracleum sphondylium</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Common mouse-ear	<i>Cerastium fontanum</i> ssp. <i>vulgare</i>
Hard rush	<i>Dactylus glomerata</i>
Wild angelica	<i>Juncus inflexis</i>
Ribwort plantain	<i>Angelica sylvestris</i>
Yorkshire fog	<i>Plantago lanceolata</i>
Wild strawberry	<i>Holcus lanatus</i>
Field wood-rush	<i>Fragaria vesca</i>
Soft rush	<i>Luzula campestris</i>
Bugle	<i>Juncus effusus</i>
	<i>Ajuga reptans</i>

Additional information:- Part of SSSI: Twenty Acre Piece.

Target Note Reference: SK6421 TN4Survey Date: 4th March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6401 2111 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Tufted hair grass	<i>Deschampsia caespitosa</i>
-------------------	-------------------------------

Common Sorrel	<i>Rumex acetosa</i>
Black knapweed	<i>Centaurea nigra</i>
Great willowherb	<i>Epilobium hirsutum</i>
False oat grass	<i>Arrhenatherum elatius</i>

Additional information: Some areas of scattered scrub. Some standing dead wood and tree stumps. Part of SSSI: Twenty Acre Piece.

1km Grid Square SK6422**Target Note Reference: SK6422 TN1**

Survey Date: 3rd March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6452 2270 Habitat Type(s): Pond in mixed plantation woodland

Key Floral Species:-

Tufted hair grass *Deschampsia caespitosa*

Additional information: Pond 10x2m and 30cm deep. Wide section of dry ditch. Much algae and tufted hair grass on banks.

Target Note Reference: SK6422 TN2

Survey Date: 3rd March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6457 2288 Habitat Type(s): Pond in mixed plantation woodland

Key Floral Species:-

Reedmace	<i>Typha latifolia</i>	Abundant
Floating sweetgrass	<i>Glyceria fluitans</i>	Frequent
Brooklime	<i>Veronica beccabunga</i>	Occasional
Great willowherb	<i>Epilobium hirsutum</i>	Occasional
Water figwort	<i>Scrophularia auriculata</i>	Rare
Watercress	<i>Rorippa nasturtium-aquaticum</i> agg.	Rare
Common duckweed	<i>Lemna minor</i>	Occasional
Square stemmed St John's wort	<i>Hypericum tetrapterum</i>	Rare

Additional information: Pond 6x6m and 30cm deep.

Target Note Reference: SK6422 TN3

Survey Date: 3rd March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6410 2292 Habitat Type(s): Pond in field of improved grassland

Key Floral Species:-

Hawthorn *Crataegus monogyna*

Additional information: Pond 10x8m and over 50cm deep. Very shaded by hawthorn scrub. No aquatic or marginal vegetation.

Target Note Reference: SK6422 TN4

Survey Date: 3rd March 2011 Surveyor: Nick Sanderson MSc MIEEM

Grid Reference: SK 6445 2235 Habitat Type(s): Pond

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information: Pond 7x0.25m. Overshadowed by semi-mature ash and hawthorn. No aquatic or marginal vegetation.

Target Note Reference: SK6422 TN5

Survey Date: 3rd March 2011 Surveyor: Nick Sanderson MSc MIEEM

Grid Reference: SK 6440 2209 Habitat Type(s): Pond

Key Floral Species:-

Hard rush	<i>Juncus inflexis</i>
Hawthorn	<i>Crataegus monogyna</i>
Floating sweet grass	<i>Glyceria fluitans</i>

Additional information: Pond 9x11m. Fairly turbid and edges poached. Overhanging hawthorn.

Target Note Reference: SK6422 TN6

Survey Date: 3rd March 2011 Surveyor: Nick Sanderson MSc MIEEM

Grid Reference: SK 6416 2240 Habitat Type(s): Pond on field boundary

Key Floral Species:-

Hard rush	<i>Juncus inflexis</i>
Soft rush	<i>Juncus effusus</i>
Brooklime	<i>Veronica beccabunga</i>
Floating sweet grass	<i>Glyceria fluitans</i>
Water crow-foot	<i>Ranunculus peltatus</i>

Additional information: Pond 12x8m. Relatively deep with clear water.

1km Grid Square SK6423**Target Note Reference: SK6423 TN1**

Survey Date: 3rd March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6414 2370 Habitat Type(s): Pond

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Great Willowherb	<i>Epilobium hirsutum</i>

Additional information: Pond 5x3m and 50cm deep. Shaded by hawthorn scrub. Small area of great willowherb on margins. No aquatic vegetation.

Target Note Reference: SK6423 TN2

Survey Date: 3rd March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6408 2370 Habitat Type(s): Pond, no access

Additional information: No access. Edge appears to be cattle poached. No visible marginal vegetation. Possibly dry.

Target Note Reference: SK6423 TN3

Survey Date: 3rd March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6409 2387 Habitat Type(s): Pond

Key Floral Species:-

Soft rush	<i>Juncus effusus</i>
Hard rush	<i>Juncus inflexis</i>
Tufted hair grass	<i>Deschampsia caespitosa</i>
Hawthorn	<i>Crataegus monogyna</i>
Floating sweet grass	<i>Glyceria fluitans</i>
Great willowherb	<i>Epilobium hirsutum</i>

Additional information: Pond 20x5m and over 50cm deep. Hawthorn scrub, grasses and rushes around edge.

Target Note Reference: SK6423 TN4

Survey Date: 3rd March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6444 2390 Habitat Type(s): Species-poor semi-improved grassland

Key Floral Species:-

Black knapweed	<i>Centaurea nigra</i>	Frequent
Germander speedwell	<i>Veronica chamaedrys</i>	Rare
False oat grass	<i>Arrhenatherum elatius</i>	Frequent
Cock's foot	<i>Dactylis glomeratus</i>	Frequent
Cow parsley	<i>Anthriscus sylvestris</i>	Occasional
Common couch	<i>Elymus repens</i>	Occasional
Creeping thistle	<i>Cirsium arvensis</i>	Occasional
Rosebay willowherb	<i>Chamerion angustifolium</i>	Occasional

Additional information: 4m wide verge beside track.

Target Note Reference: SK6423 TN5

Survey Date: 3rd March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6426 2351 Habitat Type(s): Pond

Key Floral Species:-

Cock's foot	<i>Dactylis glomeratus</i>
False oat grass	<i>Arrhenatherum elatius</i>
Common nettle	<i>Urtica dioica</i>
Crack willow	<i>Salix fragilis</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information: Pond 8x2m and 50cm deep. Shading by crack willow and hawthorn scrub. No aquatic or marginal vegetation.

Target Note Reference: SK6423 TN6

Survey Date: 3rd March 2011 Surveyor: Steve Ralph MSc MIEEM

Grid Reference: SK 6433 2338 Habitat Type(s): Pond

Key Floral Species:-

Floating sweet grass	<i>Glyceria fluitans</i>	Dominant
Brooklime	<i>Veronica beccabunga</i>	Rare
Ash	<i>Fraxinus excelsior</i>	Occasional
Hawthorn	<i>Crataegus monogyna</i>	Occasional
Common nettle	<i>Urtica dioica</i>	Frequent

Bramble

Rubus fruticosus

Occasional

Additional information: Pond 4x8m and 30cm deep. Shaded by ash and hawthorn scrub.
Nettle and bramble on banks. Floating sweet grass covers 80% of surface.

1km Grid Square SK6424**Target Note Reference: SK6424 TN1**

Survey Date: 3rd March 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6437 2438 *Habitat Type(s):* Pond

Key Floral Species:-

Soft rush *Juncus effusus*

Additional information: Pond 5x10m and over 50cm deep. No aquatic or marginal vegetation, some scrub and soft rush on banks. Cattle poached in areas.

Target Note Reference: SK6424 TN2

Survey Date: 3rd March 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6430 2446 *Habitat Type(s):* Stream running through field

Key Floral Species:-

Floating Sweet Grass	<i>Glyceria fluitans</i>	Frequent
Watercress	<i>Rorippa nasturtium-aquaticum</i> agg.	Frequent
Water figwort	<i>Scrophularia auriculata</i>	Occasional

Additional information: Stream 1m wide and maximum of 60cm deep with fast flow.

Target Note Reference: SK6424 TN3

Survey Date: 3rd March 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6417 2423 *Habitat Type(s):* Pond

Key Floral Species:-

Floating Sweet Grass	<i>Glyceria fluitans</i>
Cock's foot	<i>Dactylis glomeratus</i>
False oat grass	<i>Arrhenatherum elatius</i>
Hawthorn	<i>Crataegus monogyna</i>

Additional information: Pond 8x10m and over 50cm deep. Floating sweet grass covering 20%. Grasses and hawthorn scrub on bank.

Target Note Reference: SK6424 TN4

Survey Date: 3rd March 2011 *Surveyor:* Steve Ralph MSc MIEEM

Grid Reference: SK 6429 2409 *Habitat Type(s):* Pond

Key Floral Species:-

Crack willow	<i>Salix fragilis</i>
Reed canary grass	<i>Phalaris arundinacea</i>

Additional information: Pond 8x2m and 50cm deep. Shaded by semi-mature crack willow. Limited marginal vegetation. Small area of reed canary grass.

1km Grid Square SK6507

Target Note Reference: SK6507 TN1

Survey Date: 19th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6567 0753 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Hawthorn

Crataegus monogyna

Broadleaved dock

Rumex obtusifolius

Additional information: Standing run-off water surrounded by tall ruderal and hawthorn scrub.

1km Grid Square SK6508**Target Note Reference: SK6508 TN1**

Survey Date: 19th July 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 6545 0817 *Habitat Type(s):* Species-poor hedgerows

Additional information: Although hedgerows in this area are species-poor, they are noteworthy for being left relatively unmanaged resulting in dense cover and a ground flora of tall ruderal species. Large white (*Pieris brassicae*), gatekeeper (*Pyronia tithonus*), meadow brown (*Maniola jurtina*), ringlet (*Aphantopus hyperantus*), small tortoiseshell (*Aglais urticae*) and green veined white (*Artogeia napi*) observed along hedgerow.

Target Note Reference: SK6508 TN2

Survey Date: 19th July 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 6591 0844 *Habitat Type(s):* Stream

Additional information: Shallow stream with steep earth banks. Lined with broadleaved trees.

Target Note Reference: SK6508 TN3

Survey Date: 19th July 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 6516 0846 *Habitat Type(s):* Tall ruderal

Key Floral Species:-

Chicory

Cichorium intybus

Additional information: Planted 'conservation' tall ruderal grassland with some chicory.

1km Grid Square SK6509Target Note Reference: SK6509 TN1

Survey Date: 19th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6571 0932 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Reedmace

Typha latifolia

Great willowherb

Epilobium hirsutum

Hawthorn

Crataegus monogyna

Additional information: Virtually *Typha* filled pond with only small areas of open water remaining. Lined with hawthorn scrub. Designated as Local Wildlife Site W6509/3.

Target Note Reference: SK6509 TN2

Survey Date: 19th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6573 0963 Habitat Type(s): Standing water (pond)

Additional information: Open pond with border of tall ruderals. Some submerged vegetation but no direct access to identify species. Designated as Local Wildlife Site W6509/4.

Target Note Reference: SK6509 TN3

Survey Date: 19th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6541 0922 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Hawthorn

Crataegus monogyna

Ash

Fraxinus excelsior

Water cress

Rorippa nasturtium-aquaticum agg.

Additional information: Tiny pond surrounded by hawthorn and young ash scrub. Some submerged vegetation (water cress).

Target Note Reference: SK6509 TN4

Survey Date: 19th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6558 0991 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Branched bur-reed

Sparganium erectum

Broadleaved pondweed

Potamogeton natans

Hawthorn

Crataegus monogyna

Additional information: Small pond surrounded by dense scrub. Dense stands of branched bur-reed. Patches of broadleaved pondweed. Designated as Local Wildlife Site W6509/2.

Target Note Reference: SK6509 TN5

Survey Date: 19th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6501 0914 Habitat Type(s): Running water

Key Floral Species:-

Common nettle

Urtica dioica

Hawthorn

Crataegus monogyna

Crack willow

Salix fragilis

Additional information: Steep sided stream with tall ruderal vegetation including common nettle on banks. Lined with hawthorn and willow scrub.

1km Grid Square SK6510**Target Note Reference: SK6510 TN1**

Survey Date: 17th October 2011 Surveyor: Alison Sharkey MSc Grad IEEM

Grid Reference: SK 6519 1030 Habitat Type(s): Standing water (pond)

Key Floral Species:

Reedmace	<i>Typha latifolia</i>
Great willowherb	<i>Epilobium hirsutum</i>
Soft Rush	<i>Juncus effusus</i>

Additional information: Pond, 10m x 20m, half overgrown with marginal vegetation, half open water. Designated as Local Wildlife Site W6510/2 in 2002 for presence of great crested newts and for forming a cluster of suitable ponds.

Target Note Reference: SK 6510 TN2

Survey Date: 17th October 2011 Surveyor: Alison Sharkey MSc Grad IEEM

Grid Reference: SK 6537 1041 Habitat Type(s): Standing water (pond)

Key Floral Species:

Reedmace	<i>Typha latifolia</i>
Great willowherb	<i>Epilobium hirsutum</i>
Soft Rush	<i>Juncus effusus</i>

Additional information: Pond, 10m across, circular. Similar species to SK6510 TN1, Designated as Local Wildlife Site W6510/1 in 2002 for presence of great crested newts and smooth newts and for forming a cluster of suitable ponds.

Target Note Reference: SK6510 TN3

Survey Date: 1st July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6508 1046 Habitat Type(s): Standing water (pond)

Key Floral Species:

Common Duckweed	<i>Lemna minor</i>
-----------------	--------------------

Additional information: Pond in the process of drying out due to surrounding vegetation. At time of survey there was no water present, although dense covering of duckweed across the bottom of the hollow suggests this is not always the case.

1km Grid Square SK6511Target Note Reference: SK6511 TN1

Survey Date: 1st July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6565 1186 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:

Common bird's foot trefoil	<i>Lotus corniculatus</i>
White clover	<i>Trifolium repens</i>
Red clover	<i>Trifolium pratense</i>
Crested dog's tail	<i>Cynosurus cristatus</i>
Sweet vernal grass	<i>Anthoxanthum odoratum</i>
Marsh thistle	<i>Cirsium palustre</i>

Additional information: Designated as part of Local Wildlife Site W6511/1 in 2005 for meeting primary criteria for mesotrophic grassland. Cattle grazed. Interesting flora mainly on slopes.

Target Note Reference: SK6511 TN2

Survey Date: 1st July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6548 1175 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:

Meadow barley	<i>Hordeum secalinum</i>
Crested dog's tail	<i>Cynosurus cristatus</i>
Perennial rye grass	<i>Lolium perenne</i>
Yorkshire fog	<i>Holcus lanatus</i>
Red fescue	<i>Festuca rubra</i>
Common sorrel	<i>Rumex acetosa</i>
White clover	<i>Trifolium repens</i>
Red clover	<i>Trifolium pratense</i>
Common knapweed	<i>Centaurea nigra</i>
Common bird's foot trefoil	<i>Lotus corniculatus</i>
Hoary plantain	<i>Plantago media</i>
Yellow oat grass	<i>Trisetum flavescens</i>
Meadow buttercup	<i>Ranunculus acris</i>
Meadow vetchling	<i>Lathyrus pratensis</i>
Smooth hawk's beard	<i>Crepis capillaris</i>

Additional information: Designated as part of Local Wildlife Site W6511/1 in 2005 for meeting primary criteria for mesotrophic grassland. Cattle grazed. Becoming rank and dominated by a few grass species in some areas.

1km Grid Square SK6513

Target Note Reference: SK6513 TN1

Survey Date: 20th July 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 6562 1328 Habitat Type(s): Standing water (pond)

Key Floral Species:

Reedmace

Typha latifolia

Common reed

Phragmites australis

Reed sweet grass

Glyceria maxima

Willow species

Salix sp.

Additional information: Fishing pond with marginal vegetation around edge.
Occasional willow trees on banks.

1km Grid Square SK6514

Target Note Reference: SK6514 TN1

Survey Date: 21st July 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 651 1460 *Habitat Type(s):* Broadleaved woodland

Key Floral Species:

Crack willow

Salix fragilis

Pedunculate oak

Quercus robur

Ash

Fraxinus excelsior

English elm

Ulmus procera

Yellow iris

Iris pseudacorus

Meadowsweet

Filipendula ulmaria

Blackcurrant

Ribes nigrum

Additional information: Wet woodland designated as Local Wildlife Site W6514/1. No direct access but in visible area, crack willow dominant and meadowsweet abundant in the ground flora.

1km Grid Square SK6515**Target Note Reference: SK6515 TN1**

Survey Date: 27th June 2010 Surveyor: Mark Burgess BSc AIEEM

Grid Reference: SK 6575 1560 Habitat Type(s): Broadleaved woodland

Key Floral Species:

Pedunculate oak

Quercus robur

Ash

Fraxinus excelsior

Willow species

Salix spp.

Additional information: Designated as Local Wildlife Site W6515/1.

Target Note Reference: SK6515 TN2

Survey Date: 27th June 2010 Surveyor: Mark Burgess BSc AIEEM

Grid Reference: SK 6568 1565 Habitat Type(s): Semi-improved neutral grassland and running water

Key Floral Species:

False oat grass

Arrhenatherum elatius

Hogweed

Heracleum sphondylium

Common knapweed

Centaurea nigra

Chicory

Cichorium intybus

Meadow crane's bill

Geranium pratense

Oxeye daisy

Leucanthemum vulgare

Meadowsweet

Filipendula ulmaria

Greater burdock

Arctium lappa

Osier

Salix viminalis

Towards running water:

Willow species

Salix sp.

Yellow water lily

Nuphar lutea

Floating sweet grass

Glyceria fluitans

Pondweed species

Potamogeton sp.

Additional information: Sown wildflower meadow. Common blue (*Polyommatus Icarus*), green-veined white (*Pieris napi*), small white (*Pieris rapae*), ringlet (*Aphantopus hyperantus*), meadow brown (*Maniola jurtina*) and comma (*Polygonia c-album*) seen during survey on 27th June 2010. Running water to north of site border by willow trees and containing some aquatic vegetation.

Target Note Reference: SK6515 TN3

Survey Date: 21st June 2010 Surveyor: Mark Burgess BSc AIEEM

Grid Reference: SK 6535 1525 Habitat Type(s): Standing water (pond)

Key Floral Species:

Common duckweed

Lemma minor

Celery leaved buttercup

Ranunculus sceleratus

Brooklime

Veronica beccabunga

Additional information: Small field pond in a ridge and furrow field.

1km Grid Square SK6516

Target Note Reference: SK 6516 TN1

Survey Date: 14th October 2011 Surveyor: Alison Sharkey MSc Grad IEEM

Grid Reference: SK 6579 1642 Habitat Type(s): Species-rich hedgerow

Key Floral Species:

Ash	<i>Fraxinus excelsior</i>
English Elm	<i>Ulmus procera</i>
Blackthorn	<i>Prunus spinosa</i>
Hawthorn	<i>Crataegus monogyna</i>
Dog Rose	<i>Rosa canina</i>
Elder	<i>Sambucus nigra</i>
Field Maple	<i>Acer campestre</i>
Honeysuckle	<i>Lonicera periclymenum</i>

1km Grid Square SK6608Target Note Reference: SK6608 TN1

Survey Date: 14th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6678 0886 Habitat Type(s): Pond

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Common nettle	<i>Urtica dioica</i>
Cleavers	<i>Geum urbanum</i>
Great willowherb	<i>Epilobium hirsutum</i>
Spear thistle	<i>Cirsium vulgare</i>
Musk thistle	<i>Carduus nutans</i>

Additional information: Small pond with no aquatic vegetation. Surrounded on three sides by hawthorn.

Target Note Reference: SK6608 TN2

Survey Date: 14th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6683 0843 Habitat Type(s): Running water, scrub and broadleaved woodland

Key Floral Species:-

Crack willow	<i>Salix fragilis</i>
Elder	<i>Sambucus nigra</i>
Hawthorn	<i>Crataegus monogyna</i>
Woodland:	
Pedunculate oak	<i>Quercus robur</i>
Ash	<i>Fraxinus excelsior</i>
Horse chestnut	<i>Aesculus hippocastanum</i>

Additional information: Brook almost dry at time of survey (July 2010), lined with willow, elder and hawthorn scrub. Continues into broadleaved woodland.

1km Grid Square SK6609**Target Note Reference: SK6609 TN1**

Survey Date: 14th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6616 0984 Habitat Type(s): Dry ditch

Key Floral Species:-

Meadowsweet

Filipendula ulmaria

Reed canary grass

Phalaris arundinacea

Additional information: Dry at time of survey but vegetation suggests water usually present.

Target Note Reference: SK6609 TN2

Survey Date: 14th July 2010 Surveyor: Alison Sharkey MSc Grad IEEM

Grid Reference: SK 6696 0968 Habitat Type(s): Dry Pond

Key Floral Species:-

Hawthorn

Crataegus monogyna

Crack Willow

Salix fragilis

Dog rose

Rosa canina

Additional information: Dry pond with no vegetation in pond itself, 1m deep, 10x 10m across. Scrub surrounding.

Target Note Reference: SK6609 TN3

Survey Date: 14th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6652 0984 Habitat Type(s): Pond

Key Floral Species:-

Bittersweet

Filipendula ulmaria

Reedmace

Typha latifolia

Great Willowherb

Epilobium hirsutum

Horse-radish

Armoracia rusticana

Additional information: Former pond, 10x5m. No obvious water, but species present indicate wet ground.

1km Grid Square SK6611**Target Note Reference: SK6611 TN1**

Survey Date: 20th July 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 6610 1187 *Habitat Type(s):* Road verge

Key Floral Species:-

Grass-leaved orache *Atriplex littoralis*

Additional information: Halophyte, thereby indicating salt spreading along road.

Target Note Reference: SK6611 TN2

Survey Date: 20th July 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 6628 1186 *Habitat Type(s):* Road verge

Key Floral Species:-

Grass-leaved orache *Atriplex littoralis*

Additional information: Halophyte, thereby indicating salt spreading along road.

Target Note Reference: SK6611 TN3

Survey Date: 1st July 2010 *Surveyor:* Mike Poulton AIEEM

Grid Reference: SK 6610 1183 *Habitat Type(s):* Species-poor semi-improved grassland

Additional information: Designated as Local Wildlife Site W6511/2 in 2005 for meeting primary criteria for Mesotrophic grassland and mixed grassland, however during current survey, grassland noted to be species-poor and closely horse grazed. Direct access not possible, survey undertaken through binoculars from road.

1km Grid Square SK6612**Target Note Reference: SK6612 TN1**

Survey Date: 20th July 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid Reference: SK 6689 1248 *Habitat Type(s):* Semi-improved neutral grassland
Key Floral Species:-

Meadow buttercup	<i>Ranunculus acris</i>
White clover	<i>Trifolium repens</i>
False oat grass	<i>Arrhenatherum elatius</i>
Lady's bedstraw	<i>Galium verum</i>
Common knapweed	<i>Centaurea nigra</i>
Lesser stitchwort	<i>Stellaria graminea</i>
Common sorrel	<i>Rumex acetosa</i>
Meadow vetchling	<i>Lathyrus pratensis</i>
Tufted hair grass	<i>Deschampsia caespitosa</i>

Additional information: Semi-improved neutral grassland. Designated as Local Wildlife Site W6712/1 in 2005 for meeting primary criteria for mesotrophic grassland. Ridge and furrow evident.

Target Note Reference: SK6612 TN2

Survey Date: 20th July 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid Reference: SK 6672 1263 *Habitat Type(s):* Semi-improved neutral grassland
Key Floral Species:-

Meadow buttercup	<i>Ranunculus acris</i>
White clover	<i>Trifolium repens</i>
False oat grass	<i>Arrhenatherum elatius</i>
Tufted hair grass	<i>Deschampsia caespitosa</i>
Lady's bedstraw	<i>Galium verum</i>
Common knapweed	<i>Centaurea nigra</i>
Lesser stitchwort	<i>Stellaria graminea</i>
Common sorrel	<i>Rumex acetosa</i>
Meadow vetchling	<i>Lathyrus pratensis</i>

Target Note Reference: SK6612 TN3

Survey Date: 24th November 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 6677 1282 *Habitat Type(s):* Standing water (pond)
Key Floral Species:-
 Crack willow *Salix fragilis*

Additional Information: Small pool surrounded by crack willow. Very turbid and no aquatic vegetation.

Target Note Reference: SK6612 TN4

Survey Date: 20th July 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid Reference: SK 6656 1286 *Habitat Type(s):* Dry ditch
Key Floral Species:-
 Branched burreed *Sparganium erectum*
 Reed canary grass *Phalaris arundinacea*
 Reed sweet grass *Glyceria maxima*

Additional Information: Dry ditch along field margin hedgerow.

Target Note Reference: SK6612 TN5

Survey Date: 20th July 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid Reference: SK 6653 1239 *Habitat Type(s):* Tall ruderal
Key Floral Species:-
 Common Nettle *Urtica dioica*
 Ash *Fraxinus excelsior*
 Hawthorn *Crataegus monogyna*

Additional Information: Dry field pond filled with Common nettle.

Target Note Reference: SK6612 TN6

Survey Date: 20th July 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid Reference: SK 6684 1243 *Habitat Type(s):* Bare ground
Key Floral Species:-
 Crack Willow *Salix fragilis*

Additional Information: Dry field pond surrounded by willow scrub.

Target Note Reference: SK6612 TN7

Survey Date: 20th July 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 6686 1225 Habitat Type(s): Bare ground

Key Floral Species:-

Crack Willow

Salix fragilis

Additional Information: Dry field pond surrounded by crack willow.

Target Note Reference: SK6612 TN8

Survey Date: 20th July 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 6661 1209 Habitat Type(s): Bare ground

Key Floral Species:-

Crack Willow

Salix fragilis

Additional Information: Dry field pond surrounded by crack willow scrub.

1km Grid Square SK6613

Target Note Reference: SK6613 TN1

Survey Date: 20th July 2010 *Surveyor:* Martin Burgess BSc AIEEM

Grid Reference: SK 6618 1379 *Habitat Type(s):* Standing water

Key Floral Species:-

Elder

Sambucus nigra

Additional Information: Small pool of standing water with elder and tall ruderal surrounding it.

1km Grid Square SK6614Target Note Reference: SK6614 TN1

Survey Date: 21st July 2011 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 6596 1478 Habitat Type(s): Conservation area with plantation broadleaf trees, poor semi-improved grassland and standing water

Key Floral Species:-

Field Maple	<i>Acer campestre</i>
Alder	<i>Alnus glutinosa</i>
Hawthorn	<i>Crataegus monogyna</i>
Hazel	<i>Corylus avellana</i>
Poplars	<i>Populus spp.</i>
Willows	<i>Salix spp.</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Rosebay Willowherb	<i>Chamerion angustifolium</i>
Goldenrod	<i>Solidago virgaurea</i>
Wild Teasel	<i>Dipsacus fullonum</i>

Additional information: Conservation area associated with road development. Large pond (presumed to consist of runoff water from road) with new plantations of broadleaved trees, with areas of mown poor semi-improved grassland (some wet) and small patches of tall ruderals. Grey heron (*Ardea cinerea*) and little grebe (*Tachybaptus ruficollis*) heard.

1km Grid Square SK6708

Target Note Reference: SK6708 TN1

Survey Date: 14th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6728 0880 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Reedmace

Typha latifolia

Great willowherb

Epilobium hirsutum

Crack willow

Salix fragilis

Additional information: Pond, almost dried out but with aquatic vegetation.

1km Grid Square SK6709Target Note Reference: SK6709 TN1

Survey Date: 14th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6710 0978 Habitat Type(s): Semi-natural broadleaved woodland

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Sycamore	<i>Acer pseudoplatanus</i>
Pedunculate oak	<i>Quercus robur</i>
Beech	<i>Fagus sylvatica</i>
<u>Understorey:</u>	
Wych elm	<i>Ulmus glabra</i>
Hawthorn	<i>Crataegus monogyna</i>
Hazel	<i>Corylus avellana</i>
Dog rose	<i>Rosa canina</i>
Field maple	<i>Acer campestre</i>
Dogwood	<i>Cornus sanguinea</i>
<u>Ground flora:</u>	
Bramble	<i>Rubus fruticosus</i>
Red campion	<i>Silene dioica</i>
Cleavers	<i>Geum urbanum</i>
Honeysuckle	<i>Lonicera periclymenum</i>
Hairy brome	<i>Bromopsis ramosa</i>
False brome	<i>Brachypodium sylvaticum</i>
Enchanter's nightshade	<i>Circaea lutetiana</i>
Male common fern	<i>Dryopteris filix-mas</i>
Broad buckler fern	<i>Dryopteris dilatata</i>
Wood dock	<i>Rumex sanguineus</i>
Lesser burdock	<i>Arctium minus</i>

Additional information: Designated as Local Wildlife Site W6709/1 in 2003 for meeting the primary criteria for woodland. Canopy of ash, oak and beech with some immature self-seeded sycamore below. Ground flora throughout much of the woodland dominated by bramble but several areas more diverse.

1km Grid Square SK6711Target Note Reference: SK6711 TN1

Survey Date: 20th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6709 1103 Habitat Type(s): Poor semi-improved neutral grassland with tall ruderal

Key Floral Species:-

Creeping thistle	<i>Cirsium arvense</i>
Rosebay willowherb	<i>Chamerion angustifolium</i>
Great willowherb	<i>Epilobium hirsutum</i>
Common ragwort	<i>Senecio jacobaea</i>
Hogweed	<i>Heracleum sphondylium</i>
False oat grass	<i>Arrhenatherum elatius</i>
Chicory	<i>Cichorium intybus</i>
Sunflower	<i>Helianthus annuus</i>

Additional information: This field and fields to east and west contain significant quantities of tall ruderal vegetation including some species of damp habitats. Good for butterflies and other invertebrates; peacock (*Inachis io*), gatekeeper (*Pyronia tithonus*), common blue (*Polyommatus icarus*), small tortoiseshell (*Aglais urticae*), large white (*Pieris brassicae*), small white (*Artogeia rapae*), ringlet (*Aphantopus hyperantus*), meadow brown (*Maniola jurtina*), large skipper (*Ochlodes venatus*) and cinnabar (*Tyria jacobaea*) caterpillars recorded.

Target Note Reference: SK6711 TN2

Survey Date: 20th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6750 1155 Habitat Type(s): Road verge, species-poor semi-improved grassland

Key Floral Species:-

Reflexed salt marsh grass	<i>Puccinellia distans</i>
---------------------------	----------------------------

Additional information: This section of roadside verge has patches of salt marsh grass.

1km Grid Square SK6713

Target Note Reference: SK6713 TN1

Survey Date: 20th July 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 6705 1386 Habitat Type(s): Standing water

Key Floral Species:-

Hawthorn

Crataegus monogyna

Additional information: Small pool surrounded by hawthorn, no sign of aquatic vegetation.

Target Note Reference: SK6713 TN2

Survey Date: 20th July 2010 Surveyor: Martin Burgess BSc AIEEM

Grid Reference: SK 6720 1386 Habitat Type(s): Standing water

Key Floral Species:-

Hawthorn

Crataegus monogyna

Additional information: Small pool with hawthorn all around it, no sign of aquatic vegetation.

1km Grid Square SK6808

Target Note Reference: SK6808 TN1

Survey Date: 8th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6820 0894 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Pedunculate oak	<i>Quercus robur</i>
Field maple	<i>Acer campestre</i>
Sycamore	<i>Acer pseudoplatanus</i>
Hawthorn	<i>Crataegus monogyna</i>
Dog rose	<i>Rosa canina</i>
Elder	<i>Sambucus nigra</i>
Ash	<i>Fraxinus excelsior</i>
Wych elm	<i>Ulmus glabra</i>
Blackthorn	<i>Purnus spinosa</i>

Additional Information: Species-rich hedgerow with band of tall ruderal vegetation, although no ground flora species of note.

1km Grid Square SK6810Target Note Reference: SK6810 TN1

Survey Date: 7th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6896 1069 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Broadleaved pondweed *Potamogeton natans*

Additional information: shallow, circular pond surrounded by band of tall ruderal vegetation. Some submerged vegetation including broadleaved pondweed. Designated as local wildlife site w6810/2 in march 2002 for the presence of great crested newts and for meeting the primary criteria for standing water (containing broadleaved pondweed and spiked water-milfoil). Is part of a cluster of ponds in the area supporting great crested newts.

Target Note Reference: SK6810 TN2

Survey Date: 7th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6893 1041 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Crack willow *Salix fragilis*

Additional Information: Small pond densely shaded by scrub and willow trees.

Target Note Reference: SK6810 TN3

Survey Date: 7th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6887 1031 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Pignut	<i>Conopodium majus</i>
Field woodrush	<i>Luzula campestris</i>
Bulbous buttercup	<i>Ranunculus bulbosus</i>
Red clover	<i>Trifolium pratense</i>
Lady's bedstraw	<i>Galium verum</i>
Meadow buttercup	<i>Ranunculus acris</i>
Common sorrel	<i>Rumex acetosa</i>

Additional Information: Ridge and furrow, cattle grazed. Site designated as Local Wildlife Site W6810/3 in October 2003 for meeting primary criteria for mestrophic

grassland. During current survey, field still semi-improved neutral grassland. No access possible to make detailed species list. List above is from LWS information.

Target Note Reference: SK 6810 TN4

Survey Date: 7th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6822 1057 Habitat Type(s): Poor semi-improved grassland

Key Floral Species:-

Crested Dog's-tail	<i>Cynosurus cristatus</i>
Sweet Vernal Grass	<i>Anthoxanthum odoratum</i>
Rough Meadow-grass	<i>Poa trivialis</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Spear Thistle	<i>Cirsium vulgare</i>
Creeping Thistle	<i>Cirsium arvense</i>
Perennial Rye-grass	<i>Lolium perenne</i>
White Clover	<i>Trifolium repens</i>
Yarrow	<i>Achillea millefolium</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Cock's-foot	<i>Dactylis glomerata</i>
Common Nettle	<i>Urtica dioica</i>
Common Cat's-ear	<i>Hypochaeris radicata</i>
Daisy	<i>Bellis perennis</i>
Dandelion	<i>Taraxacum officinale</i> agg.
Autumnal Hawkbit	<i>Leontodon autumnalis</i>
Common sorrel	<i>Rumex acetosa</i>

Additional Information: No access due to large bull. Ridge and furrow, cattle grazed.

1km Grid Square SK6909Target Note Reference: SK6909 TN1

Survey Date: 8th July 2010 Surveyor: Mike Poulton AIEEM
 Grid Reference: SK 6971 0977 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Meadow barley	<i>Hordeum secalinum</i>
Crested dog's tail	<i>Cynosurus cristatus</i>
Red fescue	<i>Festuca rubra</i>
Common bent	<i>Agrostis capillaries</i>
Pepper saxifrage	<i>Silaum silaus</i>
Meadow foxtail	<i>Alopecurus pratensis</i>
Sweet vernal grass	<i>Anthoxanthum odoratum</i>
Common bird's foot trefoil	<i>Lotus corniculatus</i>
Lady's bedstraw	<i>Galium verum</i>
Quaking grass	<i>Briza media</i>
Yellow oat grass	<i>Trisetum flavescens</i>
Smaller cat's tail	<i>Phleum bertolonii</i>

Additional Information: Ridge and furrow. Part of Local Wildlife Site W6909/1.

Target Note Reference: SK6909 TN2

Survey Date: 8th July 2010 Surveyor: Mike Poulton AIEEM
 Grid Reference: SK 6969 0949 Habitat Type(s): Semi-improved neutral grassland

Key Floral Species:-

Meadow barley	<i>Hordeum secalinum</i>
Pepper saxifrage	<i>Silaum silaus</i>

Additional Information: Ridge and furrow. Part of Local Wildlife Site W6909/1 but less species rich than other fields in LWS W6909/1. Heavily sheep-grazed.

Target Note Reference: SK6909 TN3

Survey Date: 8th July 2010 Surveyor: Mike Poulton AIEEM
 Grid Reference: SK 6923 0989 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Reedmace	<i>Typha latifolia</i>
Great willowherb	<i>Epilobium hirsutum</i>

Unbranched bur reed	<i>Sparganium emersum</i>
Bog bean	<i>Menyanthes trifoliata</i>
Fringed water lily	<i>Nymphoides peltata</i>
White water lily	<i>Nymphaea alba</i>
Pink water lily	<i>Nymphaea spp.</i>

Additional Information: Pond with marginal and aquatic vegetation.
 Emperor dragonflies (*Anax imperator*).

Target Note Reference: SK6909 TN4

Survey Date: 8th July 2010 Surveyor: Mike Poulton AIEEM
 Grid Reference: SK 6919 0979 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Reedmace	<i>Typha latifolia</i>
Fringed water lily	<i>Nymphoides peltata</i>
Pink water speedwell	<i>Veronica catenata</i>
Small flowered forget-me-not	<i>Myosotis laxa</i>
Water mint	<i>Mentha aquatica</i>

Additional Information: Pond with marginal and aquatic vegetation.
 Emperor dragonflies (*Anax imperator*).

Target Note Reference: SK 6909 TN5

Survey Date: 19th September 2011 Surveyor: Zoe Jackson MSc Grad IEEM
 Grid Reference: SK 6911 0994 Habitat Type(s): Species-poor semi-improved grassland

Key Floral Species:-

Ribwort Plantain	<i>Plantago lanceolata</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Common Ragwort	<i>Senecio jacobaea</i>
Autumnal Hawkbit	<i>Leontodon autumnalis</i>
White Clover	<i>Trifolium repens</i>
Selfheal	<i>Prunella vulgaris</i>
Spear Thistle	<i>Cirsium vulgare</i>
Greater Plantain	<i>Plantago major</i>
Daisy	<i>Bellis perennis</i>
Dandelion	<i>Taraxacum officinale</i> agg.

Additional Information: Good quality poor semi-improved grassland with ridge and furrow evident.

Target Note Reference: SK6909 TN6

Survey Date: 19th September 2011 *Surveyor:* Zoe Jackson MSc Grad IEEM
Grid Reference: SK 6916 0990 *Habitat Type(s):* Species-poor semi-improved grassland

Key Floral Species:-

Ribwort Plantain	<i>Plantago lanceolata</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Common Ragwort	<i>Senecio jacobaea</i>
Perennial Rye-grass	<i>Lolium perenne</i>
White Clover	<i>Trifolium repens</i>
Selfheal	<i>Prunella vulgaris</i>
Spear Thistle	<i>Cirsium vulgare</i>
Greater Plantain	<i>Plantago major</i>
Daisy	<i>Bellis perennis</i>
Dandelion	<i>Taraxacum officinale agg.</i>

Additional Information: Good quality poor semi-improved grassland with ridge and furrow evident.

Target Note Reference: SK6909 TN7

Survey Date: 8th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 6943 0969 *Habitat Type(s):* Semi-improved neutral grassland

Key Floral Species:-

Crested dog's tail	<i>Cynosurus cristatus</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Common bent	<i>Agrostis capillaries</i>
Greater Plantain	<i>Plantago major</i>
Autumnal Hawkbit	<i>Leontodon autumnalis</i>
Spear Thistle	<i>Cirsium vulgare</i>
White Clover	<i>Trifolium repens</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Dandelion	<i>Taraxacum officinale agg.</i>
Sweet vernal grass	<i>Anthoxanthum odoratum</i>
Creeping Thistle	<i>Cirsium arvense</i>

Knotgrass [agg.]
 Pineapple Weed
 Cock's-foot
 Shepherd's-purse
 Common Mouse-ear
 Creeping Cinquefoil
 Yarrow

Polygonum aviculare agg.
Matricaria discoidea
Dactylis glomerata
Capsella bursa-pastoris
Cerastium fontanum ssp. vulgare
Potentilla reptans
Achillea millefolium

Additional Information: Ridge and furrow. Heavily sheep-grazed.
 Part of Local Wildlife Site W6909/1.

Target Note Reference: SK6909 TN8

Survey Date: 19th September 2011 *Surveyor:* Zoe Jackson MSc Grad IEEM
Grid Reference: SK 6962 0962 *Habitat Type(s):* Plantation broadleaved woodland

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Pedunculate Oak	<i>Quercus robur</i>
White Willow	<i>Salix alba</i>
Dog Rose	<i>Rosa canina agg.</i>
With ground flora:	
Herb Bennet	<i>Geum urbanum</i>
Ground-ivy	<i>Glechoma hederacea</i>
Cow Parsley	<i>Anthriscus sylvestris</i>
Bush Vetch	<i>Vicia sepium</i>
Bramble	<i>Rubus fruticosus agg.</i>
False Oat-grass	<i>Arrhenatherum elatius</i>
Nipplewort	<i>Lapsana communis</i>
Red Campion	<i>Silene dioica</i>
Creeping Thistle	<i>Cirsium arvense</i>

Additional Information: Surrounded by but not part of Local Wildlife Site W6909/1.

Target Note Reference: SK6909 TN9

Survey Date: 19th September 2011 Surveyor: Zoe Jackson MSc Grad IIEEM

Grid Reference: SK 6993 0937 Habitat Type(s): Species-rich hedgerow with trees

Key Floral Species:-

Ash	<i>Fraxinus excelsior</i>
Blackthorn	<i>Prunus spinosa</i>
Dog Rose	<i>Rosa canina</i> agg.
Elder	<i>Sambucus nigra</i>
English Elm	<i>Ulmus procera</i>
Field Maple	<i>Acer campestre</i>
Hawthorn	<i>Crataegus monogyna</i>
Wych Elm	<i>Ulmus glabra</i>

1km Grid Square SK6910**Target Note Reference: SK6910 TN1**

Survey Date: 7th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 6939 1082 *Habitat Type(s):* Standing water (ponds)

Key Floral Species:-

Perennial Rye-grass	<i>Lolium perenne</i>
Hard Rush	<i>Juncus inflexus</i>
Hoary willowherb	<i>Epilobium parviflorum</i>
Bramble	<i>Rubus fruticosus</i>
Spear Thistle	<i>Cirsium vulgare</i>
Common Nettle	<i>Urtica dioica</i>
Ragwort	<i>Senecio jacobaea</i>
Broad-leaved dock	<i>Rumex obtusifolius</i>

Additional Information: Two Ponds. The Species list above refers to the northernmost, the other had bare mud banks with no marginal vegetation and was heavily poached.

Target Note Reference: SK6910 TN2

Survey Date: 7th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 6920 1043 *Habitat Type(s):* Standing water (moat)

Additional Information: Water-filled moat around central scrub-covered island. No aquatic vegetation. Surrounded by scattered scrub.

Target Note Reference: SK6910 TN3

Survey Date: 7th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 6906 1007 *Habitat Type(s):* Standing water (pond)

Additional Information: Pond surrounded by broadleaved trees. No visible marginal vegetation. No access – surveyed from road.

Target Note Reference: SK6910 TN4

Survey Date: 7th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 6940 1015 *Habitat Type(s):* Standing water (pond)
Key Floral Species:-
 Reedmace *Typha latifolia*

Additional Information: Pond surrounded by scrub. Island in middle covered with dense scrub.

Target Note Reference: SK6910 TN5

Survey Date: 19th September 2011 *Surveyor:* Zoe Jackson MSc Grad IEEM
Grid Reference: SK 6982 1053 *Habitat Type(s):* Species-poor semi-improved grassland
Key Floral Species:-
 Perennial Rye-grass *Lolium perenne*
 Creeping Bent *Agrostis stolonifera*
 White Clover *Trifolium repens*
 Red Fescue *Festuca rubra agg.*
 Broad-leaved Dock *Rumex obtusifolius*
 Creeping Thistle *Cirsium arvense*
 False Oat-grass *Arrhenatherum elatius*
 Spear Thistle *Cirsium vulgare*

Additional Information: Local Wildlife Site 6910/7 – designated for meeting primary criteria for mesotrophic grassland. Ridge and furrow evident. Cattle grazed. No access - species list is from observations from adjoining road. Closer inspection may have shown more interesting species.

Target Note Reference: SK6910 TN6

Survey Date: 7th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 6987 1046 *Habitat Type(s):* Standing water (pond)
Key Floral Species:-
 Reedmace *Typha latifolia*

Additional Information: Small pond overgrown and surrounded by rushes. Part of Local Wildlife Site 6910/7 – designated for meeting primary criteria for mesotrophic grassland.

Target Note Reference: SK6910 TN7

Survey Date: 7th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6976 1041 Habitat Type(s): Standing water (pond)

Additional Information: Small, heavily overgrown pond. Part of Local Wildlife Site 6910/7 – designated for meeting primary criteria for mesotrophic grassland.

Target Note Reference: SK6910 TN8

Survey Date: 7th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 6979 1037 Habitat Type(s): Standing water (pond)

Key Floral Species:-

Reedmace

Typha latifolia

Additional Information: Pond surrounded by dense scrub and with scrub-covered central island. Some reedmace. Part of Local Wildlife Site 6910/11 – designated in 2002 for meeting the primary criteria for standing water i.e. containing broadleaved pondweed (*Potamogeton natans*).

Target Note Reference: SK6910 TN9

Survey Date: 19th September 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 6936 1058 Habitat Type(s): Site of former pond

Additional Information: Former pond now dry and fenced for use as chicken enclosure.

1km Grid Square SK7009Target Note Reference: SK7009 TN1

Survey Date: 13th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 7019 0995 Habitat Type(s): species-rich hedge with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Ash	<i>Fraxinus excelsior</i>
Dog Rose	<i>Rosa canina</i> agg.
Dogwood	<i>Cornus sanguinea</i>
Elder	<i>Sambucus nigra</i>
English Elm	<i>Ulmus procera</i>
Hazel	<i>Corylus avellana</i>
Sycamore	<i>Acer pseudoplatanus</i>
Pedunculate Oak	<i>Quercus robur</i>

Trees planted within hedge line:

Horse-chestnut	<i>Aesculus hippocastanum</i>
----------------	-------------------------------

Additional Information: With dry ditch. Surveyor reports lack of significant ground flora.

Target Note Reference: SK7009 TN2

Survey Date: 13th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 7017 0990 Habitat Type(s): Species-rich hedge with trees

Key Floral Species:-

Hawthorn	<i>Crataegus monogyna</i>
Blackthorn	<i>Prunus spinosa</i>
Ash	<i>Fraxinus excelsior</i>
Dog Rose	<i>Rosa canina</i> agg.
Dogwood	<i>Cornus sanguinea</i>
Elder	<i>Sambucus nigra</i>
English Elm	<i>Ulmus procera</i>
Hazel	<i>Corylus avellana</i>
Sycamore	<i>Acer pseudoplatanus</i>
Pedunculate Oak	<i>Quercus robur</i>

Trees planted within hedge line:

Horse-chestnut	<i>Aesculus hippocastanum</i>
----------------	-------------------------------

Additional Information: With dry ditch. Surveyor reports lack of significant ground flora

Target Note Reference: SK7009 TN3

Survey Date: 13th July 2010 Surveyor: Mike Poulton AIEEM

Grid Reference: SK 7019 0977 Habitat Type(s): Poor semi-improved grassland

Key Floral Species:-

Sweet Vernal Grass	<i>Anthoxanthum odoratum</i>
Red Fescue	<i>Festuca rubra</i> agg.
Common Knapweed	<i>Centaurea nigra</i>
Crested Dog's-tail	<i>Cynosurus cristatus</i>
Meadow Barley	<i>Hordeum brachyantherum</i>
Creeping Thistle	<i>Cirsium arvense</i>
Cock's-foot	<i>Dactylis glomerata</i>
White Clover	<i>Trifolium repens</i>

Additional Information: Ridge and furrow. No access, species list from observation from road.

Target Note Reference: SK7009 TN4

Survey Date: 19th September 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 7080 0981 Habitat Type(s): Species-poor semi-improved grassland

Key Floral Species:-

Sweet Vernal Grass	<i>Anthoxanthum odoratum</i>
Red Fescue	<i>Festuca rubra</i> agg.
Common Knapweed	<i>Centaurea nigra</i>
Crested Dog's-tail	<i>Cynosurus cristatus</i>
Meadow Barley	<i>Hordeum brachyantherum</i>
Creeping Thistle	<i>Cirsium arvense</i>
Cock's-foot	<i>Dactylis glomerata</i>
White Clover	<i>Trifolium repens</i>

Additional Information: Series of ridge and furrow fields. No access, species list from observation from road. Potentially semi-improved neutral grassland but this could not be established from a distance.

Target Note Reference: SK7009 TN5

Survey Date: 19th September 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 7011 0988 Habitat Type(s): Standing water eutrophic

Additional Information: Site of former pond (marked on OS map) which appears to have been removed.

Target Note Reference: SK7009 TN6

Survey Date: 19th September 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 7027 0902 Habitat Type(s): Species-poor semi-improved grassland

Key Floral Species:-

Red Fescue	<i>Festuca rubra</i> agg.
Cock's-foot	<i>Dactylis glomerata</i>
White Clover	<i>Trifolium repens</i>
Broad-leaved Dock	<i>Rumex obtusifolius</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Timothy	<i>Phleum pratense sens.lat.</i>
Creeping Buttercup	<i>Ranunculus repens</i>
Common Bent	<i>Agrostis capillaris</i>
Creeping Thistle	<i>Cirsium arvense</i>

Additional Information: No access to north (higher) section of field.

Target Note Reference: SK7009 TN7

Survey Date: 19th September 2011 Surveyor: Zoe Jackson MSc Grad IEEM

Grid Reference: SK 7008 0913 Habitat Type(s): Species-poor semi-improved grassland

Key Floral Species:-

Red Fescue	<i>Festuca rubra</i> agg.
Cock's-foot	<i>Dactylis glomerata</i>
Creeping Bent	<i>Agrostis stolonifera</i>
Common Nettle	<i>Urtica dioica</i>
Common Sorrel	<i>Rumex acetosa</i>
Dandelion	<i>Taraxacum officinale</i> agg.
Broad-leaved Dock	<i>Rumex obtusifolius</i>
Perennial Rye-grass	<i>Lolium perenne</i>
Creeping Buttercup	<i>Ranunculus repens</i>

3. FAUNAL TARGET NOTES

1km Grid Square SK5014

Faunal Note Reference: SK5014 FN1

Survey Date: 15th April 2011 Surveyor: Steve Ralph MSc MIEEM
Grid reference: SK 5075 1489

Description: Common lizard (*Zootoca vivipara*) recorded in area of acid grassland and heath.

1km Grid Square SK5209

Faunal Note Reference: SK5209 FN1

Survey Date: 21st October 2010 Surveyor: Tim Yardley M.Biol.Sci
Grid reference: SK 5225 0979

Description: Kingfisher (*Alcedo atthis*) seen flying under bridge and into alder tree by River Lin.

1km Grid Square SK5520

Faunal Note Reference: SK5520 FN1

Survey Date: 16th July 2010 Surveyor: Steve Ralph MSc MIEEM
Grid reference: SK 5517 2058

Description: Bat boxes on bridge.

1km Grid Square SK5815

Faunal Note Reference: SK5815 FN1

Survey Date: 28th July 2010 Surveyor: Mike Poulton AIEEM
Grid Reference: SK 5877 1508

Description: Mosaic of wet and dry grassland, which becomes wetter and rush dominated towards the north end; lapwing (*Vanellus vanellus*), heron (*Ardea cinerea*) and black headed gull (*Chroicocephalus ridibundus*) observed.

1km Grid Square SK5914

Faunal Note Reference: SK5914 FN1

Survey Date: 28th July 2010 Surveyor: Mike Poulton AIEEM
Grid reference: SK 5955 1404

Description: Two kingfishers (*Alcedo atthis*) noted on the river.

1km Grid Square SK5923

Target Note Reference: SK5923 FN1

Survey Date: 15th April 2011 Surveyor: Zoe Jackson MSc Grad IEEM
Grid Reference: SK 5952 2352 Habitat Type(s): Arable field

Additional Information: Pair of grey partridge (*Perdix perdix*) noted in field.

1km Grid Square SK6009

Faunal Note Reference: SK6009 FN1

Survey Date: 8th July 2010 Surveyor: Mike Poulton AIEEM
Grid reference: SK 6024 0982

Description: Great crested grebe (*Podiceps cristatus*) and young, common blue damselfly (*Enallagma cyathigerum*), brown hawkler (*Aeshna grandis*) and blue-tailed damselfly (*Ischnura elegans*).

1km Grid Square SK6010

Faunal Note Reference: SK6010 FN1

Survey Date: 30th June 2010 Surveyor: Mike Poulton AIEEM
Grid reference: SK 6020 1001

Description: Common toad (*Bufo bufo*).

Faunal Note Reference: SK6010 FN2

Survey Date: 19th July 2012 Surveyor: Steve Ralph Msc MIEEM
Grid reference: SK 6092 1092

Description: Several Lapwings (*Vanellus vanellus*) were observed. The area offers potential breeding habitat for this species.

1km Grid Square SK6012

Faunal Note Reference: SK6012 FN1

Survey Date: 30th June 2010 Surveyor: Mike Poulton AIEEM
Grid reference: SK 6032 1231

Description: Heron (*Ardeidae* sp.), great crested grebe (*Podiceps cristatus*), cormorant (*Phalacrocoracidae* sp.) and common tern (*Sterna hirundo*).

Faunal Note Reference: SK6012 FN2

Survey Date: 30th June 2010 Surveyor: Mike Poulton AIEEM
Grid reference: SK 6043 1285

Description: Conservation area with good population of mallard ducks (*Anas platyrhynchos*) and mute swans (*Cygnus olor*).

1km Grid Square SK6014

Faunal Note Reference: SK6014 FN1

Survey Date: 22nd July 2010 Surveyor: Martin Burgess AIEEM
Grid reference: SK 6010 1417

Description: Two oystercatchers (*Haematopus ostralegus*) feeding in field.

Faunal Note Reference: SK6014 FN2

Survey Date: 22nd July 2010 Surveyor: Martin Burgess AIEEM
Grid reference: SK 6010 1404

Description: Reed bunting (*Emberiza schoeniclus*) and reed warbler (*Acrocephalus scirpaceus*) heard near pond. Abundant *Odonata*.

1km Grid Square SK6023

Faunal Note Reference: SK6023 FN1

Survey Date: 27th July 2010 Surveyor: Martin Burgess AIEEM
Grid reference: SK 6021 2367

Description: A brown hare (*Lepus europaeus*) was observed within this field.

1km Grid Square SK6111**Faunal Note Reference: SK6111 FN1**

Survey Date: 30th June 2010 *Surveyor:* Mike Poulton AIEEM
Grid reference: SK 6111 1126

Description: Little ringed plover (*Charadrius dubius*), lapwing (*Vanellus vanellus*), sand martin (*Riparia riparia*) noted in this area.

1km Grid Square SK6214**Faunal Note Reference: SK6214 FN1**

Survey Date: 22nd July 2010 *Surveyor:* Mike Poulton AIEEM
Grid reference: SK 6204 1490

Description: Brown hare (*Lepus europaeus*) in field.

1km Grid Square SK6215**Faunal Note Reference: SK6215 FN1**

Survey Date: 21st July 2010 *Surveyor:* Mike Poulton AIEEM
Grid reference: SK 6281 1538

Description: Brown hare (*Lepus europaeus*) in field.

1km Grid Square SK6223**Faunal Note Reference: SK6223 FN1**

Survey Date: 16th July 2010 *Surveyor:* Sean Gallagher MSc MIEEM
Grid reference: SK 6248 2393

Description: Approximately 150 lapwing (*Vanellus vanellus*) on field.

1km Grid Square SK6315**Faunal Note Reference: SK6315 FN1**

Survey Date: 21st July 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid reference: SK 6391 1531

Description: Brown hare (*Lepus europaeus*) in field.

1km Grid Square SK6323**Faunal Note Reference: SK6323 FN1**

Survey Date: 19th April 2011 *Surveyor:* Zoe Jackson MSc Grad IEEM
Grid reference: SK 6311 2301

Description: Brown hare (*Lepus europaeus*) seen in arable field.

1km Grid Square SK6407**Faunal Note Reference: SK6407 FN1**

Survey Date: 19th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid reference: SK 6489 0735

Description: Good butterfly numbers on track between brook and arable field: Large white (*Pieris brassicae*), red admiral (*Vanessa atalanta*), ringlet (*Aphantopus hyperantus*), comma (*Polyommatus c-album*), gatekeeper (*Pyronia tithonus*), meadow brown (*Maniola jurtina*), small tortoiseshell (*Aglais urticae*), small copper (*Lycena phlaeas*), green-veined white (*Pieris napi*), small white (*Pieris rapae*). Plus brown hawker dragonfly (*Aeshna grandis*).

Faunal Note Reference: SK6407 FN2

Survey Date: 19th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid reference: SK 6471 0751

Description: Two yellowhammers (*Emberiza citrinella*) in arable field.

Faunal Note Reference: SK6407 FN3

Survey Date: 19th July 2010 Surveyor: Mike Poulton AIEEM
Grid reference: SK 6474 0757

Description: Two brown hare (*Lepus europaeus*) in arable field.

Faunal Note Reference: SK6407 FN4

Survey Date: 19th July 2010 Surveyor: Mike Poulton AIEEM
Grid reference: SK 6472 0776

Description: Skylarks (*Alauda arvensis*) in arable field.

1km Grid Square SK6410Faunal Note Reference: SK 6410 FN1

Survey Date: 10th February 2011 Surveyor: Mike Poulton AIEEM
Grid Reference: SK 6450 1096

Description: Flock of field fare (*Turdus pilaris*).

Faunal Note Reference: SK 6410 FN2

Survey Date: 10th February 2011 Surveyor: Mike Poulton AIEEM
Grid Reference: SK 6422 1041

Description: Brown hare (*Lepus europaeus*) in arable field.

1km Grid Square SK6411Faunal Note Reference: SK6411 FN1

Survey Date: 1st July 2010 Surveyor: Mike Poulton AIEEM
Grid reference: SK 6467 1169

Description: Skylark (*Alauda arvensis*) in field.

1km Grid Square SK6414Faunal Note Reference: SK6414 FN1

Survey Date: 21st July 2010 Surveyor: Martin Burgess BSc AIEEM
Grid reference: SK 6420 1555

Description: Brown hare (*Lepus europaeus*) in field.

1km Grid Square SK6422Faunal Note Reference: SK6422 FN1

Survey Date: 3rd March 2011 Surveyor: Steve Ralph MSc MIEEM
Grid reference: SK 6401 2228

Description: Mature ash with several rot holes with potential for roosting bats.

1km Grid Square SK6507Faunal Note Reference: SK6507 FN1

Survey Date: 19th July 2010 Surveyor: Mike Poulton AIEEM
Grid reference: SK 6574 0739

Description: Three brown hares (*Lepus europaeus*) seen in arable field.

1km Grid Square SK6508Faunal Note Reference: SK6508 FN1

Survey Date: 19th July 2010 Surveyor: Mike Poulton AIEEM
Grid reference: SK 6595 0813

Description: Brown hare (*Lepus europaeus*) seen in arable field.

Faunal Note Reference: **SK6508 FN2**

Survey Date: 19th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid reference: SK 6513 0835

Description: Skylarks (*Alauda arvensis*) in arable field.

1km Grid Square SK6509

Target Note Reference: **SK6509 FN1**

Survey Date: 19th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 6580 0909

Description: Skylark (*Alauda arvensis*) in arable field.

1km Grid Square SK6511

Target Note Reference: **SK6511 FN1**

Survey Date: 1st July 2010 *Surveyor:* Mike Poulton AIEEM
Grid Reference: SK 6545 1176

Description: Four brown hares (*Lepus europaeus*) and a yellowhammer (*Emberiza citrenella*) in field.

1km Grid Square SK6513

Faunal Note Reference: **SK6513 FN1**

Survey Date: 20th July 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid reference: SK 6548 1309

Description: Skylark (*Alauda arvensis*), linnet (*Carduelis cannabina*) and yellowhammers (*Emberiza citrenella*) seen in wheat field. Pair of yellow wagtails (*Motacilla flava*) also present.

1km Grid Square SK6514

Faunal Note Reference: **SK6514 FN1**

Survey Date: 20th July 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid reference: SK 6573 1420

Description: Skylark (*Alauda arvensis*).

1km Grid Square SK6610

Faunal Note Reference: **SK6610 FN1**

Survey Date: 20th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid reference: SK 6649 1012

Description: Brown hare (*Lepus europaeus*) recorded in field.

1km Grid Square SK6611

Faunal Note Reference: **SK6611 FN1**

Survey Date: 20th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid reference: SK 6636 1140

Description: Brown hare (*Lepus europaeus*) seen in dry ditch.

Faunal Note Reference: **SK6611 FN2**

Survey Date: 20th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid reference: SK 6604 1104

Description: Skylark (*Alauda arvensis*) recorded calling above in field.

Faunal Note Reference: **SK6611 FN3**

Survey Date: 1st July 2010 *Surveyor:* Mike Poulton AIEEM
Grid reference: SK 6616 1166

Description: Brown hare (*Lepus europaeus*) recorded in field.

1km Grid Square SK6612

Faunal Note Reference: **SK6612 FN1**

Survey Date: 24th November 2010 *Surveyor:* Mike Poulton AIEEM
Grid reference: SK 6635 1220

Description: Two brown hares (*Lepus europaeus*) in arable field.

Faunal Note Reference: **SK6612 FN2**

Survey Date: 24th November 2010 *Surveyor:* Mike Poulton AIEEM
Grid reference: SK 6662 1295

Description: Brown hare (*Lepus europaeus*) in field.

Faunal Note Reference: **SK6612 FN3**

Survey Date: 20th July 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid reference: SK 6606 1266

Description: Grey partridge (*Perdix perdix*) in improved grassland field.

1km Grid Square SK6613

Faunal Note Reference: **SK6613 FN1**

Survey Date: 20th July 2010 *Surveyor:* Martin Burgess BSc AIEEM
Grid reference: SK 6661 1393

Description: Brown hare (*Lepus europaeus*).

Faunal Note Reference: **SK6613 FN2**

Survey Date: 3rd February 2011 *Surveyor:* Mike Poulton AIEEM
Grid reference: SK 6612 1397

Description: Skylark (*Alauda arvensis*) and yellowhammer (*Emberiza citrenella*) abundant in arable fields in this area.

1km Grid Square SK6707

Faunal Note Reference: **SK6707 FN1**

Survey Date: 14th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid reference: SK 6755 0784

Description:
Skylarks (*Alauda arvensis*) in arable fields

Additional information:
Seen in field with target note and in adjacent field to east and also in field to south across road.

1km Grid Square SK6710

Faunal Note Reference: **SK6710 FN1**

Survey Date: 20th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid reference: SK 6746 1003

Description: Brown hare (*Lepus europaeus*) in arable field.

1km Grid Square SK6909

Faunal Note Reference: **SK6909 FN1**

Survey Date: 8th July 2010 *Surveyor:* Mike Poulton AIEEM
Grid reference: SK 6976 0973

Description: Brown hare (*Lepus europaeus*) recorded in field.

4. BADGER TARGET NOTES

[NOT INCLUDED – CONFIDENTIAL]

5. WILDLIFE CORRIDORS

5.1 Parish Wildlife Corridors

Reference: PWC-001

Evaluation: Parish Value

Grid Reference (to – from): SK6500 2470 to SK6460 2290

*Approximate Length (metres):*1800m

General Description:

Hedgerow and scrub habitats occurring along the western side of the A46.

Reason for Evaluation:

Although adjacent to a busy main road, the habitats provide a wildlife corridor through an otherwise agricultural landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Additional Information:

Forms the most northern section of the A46 wildlife corridor leading all the way to Leicester.

Reference: PWC-002

Evaluation: Parish Value

Grid Reference (to – from): SK6350 2483 to SK6500 2470

*Approximate Length (metres):*1900m

General Description:

A brook running along the borough boundary. The brook includes sections with scattered trees and scrub, and passes through small wooded areas. Although not particularly botanically diverse (see SK6424TN2), provides an ecological corridor through an intensively farmed landscape.

Reason for Evaluation:

Provides an ecological corridor for riparian species (both fauna and flora).

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Reference: PWC-003

Evaluation: Parish Value

Grid Reference (to – from): SK6434 2447 to SK6422 2365

*Approximate Length (metres):*950m

General Description:

Double hedgerows bordering Occupation Lane.

Reason for Evaluation:

The hedgerows (some with trees) form an ecological corridor through a generally intensive agricultural landscape. Sections of the grassland verge (between the lane and hedgerows) supported frequent black knapweed (*Centaurea nigra*). Some sections also support dry ditches.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Grass verges with locally frequent black knapweed (SK6423TN4) occur along the lane and a cattle poached pond was present at the northern end (SK6424TN1).

Reference: PWC-004*Evaluation:* Parish Value*Grid Reference (to – from):* SK6334 2468 to SK6460 2290*Approximate Length (metres):*2200m*General Description:*

Double hedgerows bordering Hades Lane.

Reason for Evaluation:

The hedgerows (some with scattered trees) and roadside margins form an ecological corridor through a generally intensive agricultural landscape. A number of field ponds are set back from the road, and therefore the hedgerows provide a potential corridor for dispersing amphibians.

SSSI / Local Wildlife Sites / Important Habitats Connected:

A number of ponds occur in the vicinity of the hedgerows along Hades Lane (SK6423TN3, SK6423TN1, SK6423TN2, SK6423TN5 and SK6423TN6).

Reference: PWC-005*Evaluation:* Parish Value*Grid Reference (to – from):* SK6247 2564 to SK6431 2114*Approximate Length (metres):*6900m*General Description:*

Kingston Brook is predominantly tree lined stream which flows from Twenty Acre Piece SSSI (at the southern end of the corridor) through arable and improved fields. The brook crosses Wide Lane (A6006) flows past a number of fishing lakes and crosses East Road, before flowing along the Borough boundary.

Reason for Evaluation:

The brook connects a number of habitats and designated sites and provides habitat for riparian species.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The brook runs from Twenty Acre Piece SSSI northwards, crosses Wide Lane (A6006) (BWC-007), a wide wooded corridor, passes a complex of fishing lakes and a large area of dense scrub (Eller's Gorse LWS - W6323/1). At the northern-most end the brook passes through small areas of semi-improved neutral grassland (SK6224TN5) crosses East Road (LWS - W6224/1), which supports further semi-improved grassland and forms part of a further ecological corridor (BWC-006).

Reference: PWC-006*Evaluation:* Parish Value*Grid Reference (to – from):* SK6558 2262 to SK6439 2101*Approximate Length (metres):*1600m*General Description:*

Hedgerows, scrub and grassland verge habitats occurring along the western side of the A46. Occurs between the A6006 junction and the Six Hills junction.

Reason for Evaluation:

Although adjacent to a busy main road, the habitats provide a wildlife corridor through an otherwise agricultural landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Links to Twenty Acre Piece SSSI at the southern end. Forms part of the A46 wildlife corridor leading all the way to Leicester.

Reference: PCW-007

Evaluation: Parish Value

Grid Reference (to – from): SK6087 2521 to SK6139 2450

*Approximate Length (metres):*900m

General Description:

Stream flowing through agricultural landscape.

Reason for Evaluation:

The stream provides an ecological corridor through the agricultural landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Stream passes LWS W6124/1 and a pond (SK6124TN4).

Reference: PCW-008

Evaluation: Parish Value

Grid Reference (to – from): SK6089 2324 to SK6258 2154

*Approximate Length (metres):*2600m

General Description:

Upper stretch of the River Mantle (dry stream bed in places) which initially runs through arable fields before passing through woodland and semi-improved grassland habitat up to the outskirts of the village of Wymeswold.

Reason for Evaluation:

The river runs through a mosaic of habitats, forming a wildlife corridor for riparian species. Connects a number of Local Wildlife Sites.

SSSI / Local Wildlife Sites / Important Habitats Connected:

At the far south eastern end the river passes a pond (SK6221TN4), runs along side a species-rich hedgerow with trees (SK6222TN5), runs around a semi-improved grassland field (part of Harrow Farm LWS, SK 6122TN1), through an area of broadleaved woodland before passing through Wymeswold Meadows LWS (W 6123/1), (SK6023TN1, SK6123TN1, SK6123TN2 and SK6123TN3).

Reference: PWC-009

Evaluation: Parish Value

Grid Reference (to – from): SK6089 2331 to SK6359 2123

*Approximate Length (metres):*3700m

General Description:

Hedgerows and grassland verges alongside Narrow Lane. Runs from Wymeswold (at the western end) to Melton Road at the south eastern end.

Reason for Evaluation:

Although the corridor occurs along a road, the hedgerows alongside (some of which are species-rich) form a corridor through the intensively managed agricultural landscape. In sections the grassland verges are also relatively species-rich. Furthermore a number of ponds occur alongside the lane, and therefore the hedgerow and verge habitats provide a potential wildlife corridor for amphibians.

SSSI / Local Wildlife Sites / Important Habitats Connected:

At the far eastern end, Narrow Lane passes by Wymeswold Meadows LWS (W 6123/1), (SK6023TN1, SK6123TN1, SK6123TN2 and SK6123TN3), runs alongside a short section of a species-rich hedgerow (SK6123TN4), past a LWS (W6122/2)(SK6122TN4), alongside a further species-rich hedgerow (SK6222TN3), and diverse semi-improved grassland road verge with species-rich hedgerows (LWS W6222/2), before joining to the wildlife corridor along Melton Road (BWC-008). Narrow Lane passes by a number of ponds (SK6122TN3, SK6222TN10, SK6321TN3, SK6321TN4 and SK6321TN5).

Reference: PWC-010

Evaluation: Parish Value

Grid Reference (to – from): SK6040 2510 to SK6042 2379

*Approximate Length (metres):*1350m

General Description:

Hedgerows and wide grassland verges running alongside Wysall Lane (leading north from Wymeswold).

Reason for Evaluation:

The hedgerows and wide roadside verges provide an ecological corridor through an otherwise species-poor, agricultural landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Wysall Lane runs past LWS W6024/1 (SK6024TN2), although this site was noted to have possibly reduced in value since its designation in 2001.

Reference: PWC-011

Evaluation: Parish Value

Grid Reference (to – from): SK5870 2350 to SK5922 2323

*Approximate Length (metres):*1200m

General Description:

Stretch of the River Mantle to the west of Wymeswold. The river flows along tree lined sections through an agricultural landscape. At the far western end the river flows to the south of semi-improved grassland fields.

Reason for Evaluation:

Provides a wildlife corridor for riparian species.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The river flows past semi-improved grassland fields (SK5823TN1 and SK5823TN2).

Reference: PWC-012

Evaluation: Parish Value

Grid Reference (to – from): SK5717 2266 to SK5982 23218

*Approximate Length (metres):*2300m

General Description:

Hedgerows, grassland verges, plantation broadleaved woodland and semi-natural broadleaved woodland along the northern side of Wymeswold Road.

Reason for Evaluation:

The verges and associated hedgerows (many with trees) that run along the northern side of the road link the small wooded areas (plantation and semi-natural) that also occur beside the road. The habitats also form a corridor through the fields of improved grassland.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Reference: PWC-013

Evaluation: Parish Value

Grid Reference (to – from): SK5916 2402 to SK5435 2176

*Approximate Length (metres):*6600m

General Description:

Stretch of Kings Brook running from the confluence with the River Mantle in a south westerly direction along the borough boundary until it eventually flows into the River Soar (to the north east of Loughborough). The tree lined brook runs through a predominately arable landscape connecting occasional, small woodland areas and at the very eastern end, fields of semi-improved grassland.

Reason for Evaluation:

The brook forms an ecological corridor through an intensively farmed landscape. The brook will provide habitat for riparian species, both fauna and flora, and eventually flows into the River Soar (CWC-001).

SSSI / Local Wildlife Sites / Important Habitats Connected:

From the north eastern most end the brook flows beside LWS W5923/2 (SK5923TN3) and then LWS W5923/1 (SK5923TN2), flows past semi-improved grassland fields (SK5823TN1 and SK5823TN2) before it meets with the River Mantle (PWC-011). The brook also flows through wooded areas (SK5522TN1) and eventually flows into the River Soar (LWS S.2.7).

Additional Information:

Forms part of the northern boundary to the borough.

Reference: PWC-014

Evaluation: Parish Value

Grid Reference (to – from): SK4925 2320 to SK5016 2330

*Approximate Length (metres):*1350m

General Description:

Tree lined section of Long Whatton Brook which flows into the River Soar. The brook flows through an arable landscape. The corridor crosses under Derby Road (A6)

Reason for Evaluation:

The brook runs through an arable landscape, and therefore provides a potential wildlife corridor for species to pass through area of generally low ecological value. The brook also flows into the River Soar (CWC-001) and at the far western end flows past lakes and a wooded area. In addition the brook provides a crossing point (by flowing under) the A6 (Derby Road).

SSSI / Local Wildlife Sites / Important Habitats Connected:

The brook passed by lakes and a wooded area (SK4923TN1) and flows into the River Soar (CWC-001).

Reference: PWC-015

Evaluation: Parish Value

Grid Reference (to – from): SK6464 1975 to SK6552 1570

*Approximate Length (metres):*4600m

General Description:

Ox Brook is a tree lined stream which flows from Ragdale Wood in a southerly direction, passing through an agricultural landscape before eventually flowing into the River Wreake.

Reason for Evaluation:

Considered to be of Parish value as connects woodland habitats (at the northern end), and provides a riparian corridor through an arable and improved grassland landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects Ragdale Wood (area of broadleaved woodland) to a linear woodland area (LWS W6418/1), and then at the far southern end eventually flows into the River Wreake, LWS S.4.7 (BWC-013).

Reference: PWC-016

Evaluation: Parish Value

Grid Reference (to – from): SK6436 2065 to SK6327 1665

*Approximate Length (metres):*4150m

General Description:

Hedgerow and grassland verges running along the eastern side of the A46 between the Six Hill junction and the Seagrave Road junction.

Reason for Evaluation:

Although adjacent to a busy main road, the habitats provide a wildlife corridor through an otherwise agricultural landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Thrussington Wolds Gorse woodland (LWS W6419/1) (SK6419TN1) occurs at the northern end of the corridor.

Additional Information:

Forms a section of the A46 wildlife corridor leading all the way to Leicester.

Reference: PWC-017

Evaluation: Parish Value

Grid Reference (to – from): SK6438 2083 to SK6322 1660

*Approximate Length (metres):*4400m

General Description:

Hedgerow and grassland verges running along the western side of the A46 between the Six Hill junction and the Seagrave Road junction.

Reason for Evaluation:

Although adjacent to a busy main road, the habitats provide a wildlife corridor through an otherwise agricultural landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

A number of ponds occur in the vicinity of the corridor (SK6420TN4, SK6420TN3 and SK6318TN1). Connects to BWC-012.

Additional Information:

Forms a section of the A46 wildlife corridor leading all the way to Leicester.

Reference: PWC-018

Evaluation: Parish Value

Grid Reference (to – from): SK6421 2018 to SK6305 1795

*Approximate Length (metres):*2800m

General Description:

Tree and scrub lined stream flowing from adjacent to the A46 in a southerly direction for 2.8km. Along the route the stream flows through areas of dense scrub.

Reason for Evaluation:

The stream flows through an agricultural landscape and provides a potential corridor for riparian species.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Additional Information:

Flows in to BWC-011, which flows through Sibley and eventually enters the River Soar.

Reference: PWC-019

Evaluation: Parish Value

Grid Reference (to – from): SK6438 2083 to SK6068 1860

*Approximate Length (metres):*4350m

General Description:

Hedgerows, narrow broadleaved woodland strips and grassland verges running along both sides of Paudy Lane from the Six Hill junction (with the A46) in a south westerly direction until Paudy Cross Roads.

Reason for Evaluation:

Although running beside a relatively busy road, the hedgerows (some of which are species-rich) in conjunction with woodlands and grassland verges provide an ecological corridor through an area of large fields of arable and species poor grassland. Numerous ponds also occur in the vicinity, and therefore the habitats along the road provide a potential corridor for amphibians.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Caddock Ashes woodland (SK6320TN2) occurs at the far northern end (northern side of the road). Paudy Road has a number of species-rich hedgerows (some with trees) alongside (SK6320TN1, SK6320TN3, SK6320TN4 and SK6320TN5). Furthermore, a number of ponds occur in close vicinity (SK6320TN6, SK6320TN7, SK6119TN1, SK6119TN2 and SK6018TN4).

Additional Information:

Leads on to Paudy Cross Road, and Black Lane / Big Lane (BWC-009).

Reference: PWC-020

Evaluation: Parish Value

Grid Reference (to – from): SK6334 2020 to SK6212 1769

*Approximate Length (metres):*2800m

General Description:

Hedgerows (some species-rich) running either side of Berrycott Lane.

Reason for Evaluation:

Some of the hedgerows are species-rich and in general the double hedgerows (either side of the road) provide ecological corridors through an arable landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Species-rich hedgerows occur along part of the western side of the road (SK6319TN1 and SK6219TN1). At the far southern end (close to Seagrave village) it passes LWS W6217/3 (SK6217TN8).

Reference: PWC-021

Evaluation: Parish Value

Grid Reference (to – from): SK6267 1937 to SK6209 1770

*Approximate Length (metres):*1800m

General Description:

Wooded stream running through an agricultural landscape before flowing into the village of Seagrave.

Reason for Evaluation:

The stream flows through an agricultural landscape and provides a potential corridor for riparian species.

SSSI / Local Wildlife Sites / Important Habitats Connected:

At the far southern end the stream flows through LWS W6217/3 (SK6117TN1, SK6217TN7 and SK6217TN8).

Reference: PWC-022

Evaluation: Parish Value

Grid Reference (to – from): SK6196 1880 to SK6162 1827

*Approximate Length (metres):*600m

General Description:

Wooded and hedgerow (some of which are species-rich) lined farm track (Conery Lane), leading north from Seagrave.

Reason for Evaluation:

The double hedgerows and wooded areas provide an ecological corridor through improved grassland and arable farmland. Some of the hedgerows were species-rich, and the woodland areas quite wide. Two ponds occur in the close vicinity.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Species-rich hedgerows occur along the track (SK6118TN2 and SK6118TN1) and a small pond occurs adjacent to the track and a further pond is present in an adjacent field (SK6118TN3).

Reference: PWC-023

Evaluation: Parish Value

Grid Reference (to – from): SK6103 1877 to SK6166 1805

*Approximate Length (metres):*1000m

General Description:

Tree lined farm track (with sections of hedgerow and woodland) running north west from Seagrave to Paudy Lane. The track runs through a predominantly arable landscape.

Reason for Evaluation:

The tree lined track provides an ecological corridor through the arable landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Reference: PWC-024

Evaluation: Parish Value

Grid Reference (to – from): SK6167 2000 to SK5818 1796

*Approximate Length (metres):*4400m

General Description:

Fishpool Brook flows through an predominately arable and improved grassland valley. The brook is wooded or tree lined for the majority of its route. The brook eventually flows through Barrow upon Soar and into the River Soar.

Reason for Evaluation:

The wooded brook provides a corridor through the intensively farmed landscape. Furthermore it connects a number of wooded areas (some recent plantations) and ponds (including fishing lakes). It will provide a corridor for riparian species.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Approximately half-way along the length of the corridor the brook crosses Black Lane / Big Lane (BWC-009).

Reference: PWC-025

Evaluation: Parish Value

Grid Reference (to – from): SK6092 1806 to SK6041 1778

*Approximate Length (metres):*600m

General Description:

Tree lined stream running through arable fields.

Reason for Evaluation:

The stream links two Borough value wildlife corridors, and therefore provides a potentially important connection for these two corridors as well as providing a dispersal route in its own right.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Links two Borough value wildlife corridors (BWC-009 and BWC-010).

Reference: PWC-026

Evaluation: Parish Value

Grid Reference (to – from): SK6061 1858 SK5847 1769

*Approximate Length (metres):*2350m

General Description:

Hedgerows and species-poor grassland verges running either side of Melton Road as it lead from Paudy Cross Road towards Barrow upon Soar.

Reason for Evaluation:

The hedgerows (some with trees) provide an ecological corridor through an arable (north eastern end) and improved grassland (south western end) landscape. Connects to Borough value wildlife corridors at the north eastern end and a Parish value corridor at the south western end.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects to Borough value corridors at the north eastern end (BWC-009 and BWC-010) and to further Parish value corridors at the south western end (PWC-068) and far eastern end (PWC-019).

Reference: PWC-027

Evaluation: Parish Value

Grid Reference (to – from): SK6273 2022 to SK5949 1980

*Approximate Length (metres):*3400m

General Description:

Hedgerows and grassland verges alongside a quiet farm access road / track (Six Hills Road). Leads from Walton Thorns Farm in a south westerly direction towards Walton on the Wolds. A number of farms and isolated residential properties occur along the road.

Reason for Evaluation:

The double hedgerows and verges provide an ecological corridor through the predominately pasture landscape (a number of arable fields are present at the far north eastern end).

SSSI / Local Wildlife Sites / Important Habitats Connected:

The track begins close to Walton Thorns woodland and part of the verge supported higher diversity grassland (SK 6019 TN1).

Reference: PWC-028

Evaluation: Parish Value

Grid Reference (to – from): SK6325 2059 to SK5800 1994

*Approximate Length (metres):*5800m

General Description:

Walton Brook is a tree lined stream which flows from just past Walton Thorns wood in a westerly direction through a arable and improved grassland valley.

Reason for Evaluation:

The brook provides an ecological corridor through the intensively farmed landscape. It connects a number of wooded areas (semi-natural and plantation) and the majority of the brook is lined with trees and scrub. The brook will provide a potential corridor for riparian species. The brook eventually flows into the River Soar.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Reference: PWC-029

Evaluation: Parish Value

Grid Reference (to – from): SK5823 1986 to SK5902 1994

*Approximate Length (metres):*800m

General Description:

Section of Walton Lane, from Walton on the Wolds to the cross-roads with Nottingham Road. The road is bordered by hedgerows and by sections of narrow woodland.

Reason for Evaluation:

The hedgerows and narrow woodlands connect small woodlands at Walton on the Wolds together and provide corridors through arable and species-poor pasture fields.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Reference: PWC-030

Evaluation: Parish Value

Grid Reference (to – from): SK5821 1991 to SK5796 1812

*Approximate Length (metres):*1850m

General Description:

Hedgerows (majority with trees) and species-poor grassland verges running alongside Nottingham Road as it leads into Barrow-upon-Soar.

Reason for Evaluation:

Although the hedgerows alongside the road were generally species-poor, they do provide a corridor through a predominately arable farmland area.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Links to a species-rich hedgerow (SK5818TN1) approximately half-way along its length.

Reference: PWC-031

Evaluation: Parish Value

Grid Reference (to – from): SK5637 1987 to SK5689 1860

*Approximate Length (metres):*1450m

General Description:

Hedgerows running along either side of Nottingham Road as it leads north from Barrow-upon-Soar.

Reason for Evaluation:

Although the hedgerows alongside the road were generally species-poor, they do provide a corridor through a predominately arable and improved grassland area.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Reference: PWC-032

Evaluation: Parish Value

Grid Reference (to – from): SK5568 1990 to SK1987 5637

*Approximate Length (metres):*1350m.

General Description:

Lower stretch of Walton Brook which flows through pasture fields and into the River Soar.

Reason for Evaluation:

Continuation of Walton Brook, with this section providing a corridor through pasture fields before flowing into the River Soar.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Flows into the River Soar (LWS S.2.7), a County value wildlife corridor (CWC-001).

Additional Information:

Forms part of the Walton Brook, an approximately 8km brook flowing from east of the Borough into the River Soar.

Reference: PWC-033

Evaluation: Parish Value

Grid Reference (to – from): SK5460 1969 to SK5572 1973

*Approximate Length (metres):*1300m

General Description:

A wet ditch which forms a corridor between the Grand Union Canal and the River Soar.

Reason for Evaluation:

The wet ditch links the River Soar to the Grand Union Canal.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The wet ditch links the River Soar (LWS S.2.7.) a County value wildlife corridor (CWC-001) to the Grand Union Canal (a Borough value wildlife corridor, BWC-004). In addition it also runs under the Midland Main Line (BWC-005) and runs adjacent to a LWS (W5519/1)(SK5519TN1).

Reference: PWC-034

Evaluation: Parish Value

Grid Reference (to – from): SK5680 1854 to SK8526 1750

*Approximate Length (metres):*1650m

General Description:

Wet ditch with scattered trees running alongside plantation woodlands and eventually leading into the Leicester Navigation at Pillings Lock Marina.

Reason for Evaluation:

The ditch provides a corridor from the Leicester Navigation (and therefore eventually the River Soar) through areas of plantation (some recent and some mature planting) and to the lake a Lodge Farm. The ditch then continues to link with the A6 just to the north of Quorn.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Flows into the Leicester Navigation (BWC-004).

Reference: PWC-035

Evaluation: Parish Value

Grid Reference (to – from): SK5292 2205 to SK5394 2120

*Approximate Length (metres):*1500m

General Description:

Summerpool Brook flows from the north of Loughborough through Loughborough Meadows SSSI under the Midland Main Line before flowing into the River Soar.

Reason for Evaluation:

The brook flows through the Loughborough Meadows SSSI and provides a corridor from the River Soar.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The brook flows through the Loughborough Meadows SSSI (SK5321TN2), under the Midland Main Line, beside LWS W5221/3 and into the River Soar (LWS S.2.7, CWC-001).

Reference: PWC-036

Evaluation: Parish Value

Grid Reference (to – from): SK5059 2013 to SK5018 1565

*Approximate Length (metres):*2000m

General Description:

Band of woodland (plantation and semi-natural) running down the western side of Loughborough.

Reason for Evaluation:

Provides a wide ecological corridor along the western side of Loughborough. Provides a potential dispersal route for woodland species. To the west occurs large arable fields, therefore increasing the value of the corridor.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Reference: PWC-037

Evaluation: Parish Value

Grid Reference (to – from): SK4922 1844 to SK5018 1865

*Approximate Length (metres):*1050m

General Description:

Disused railway linking the western side of Loughborough to the M1.

Reason for Evaluation:

The wooded corridor provides a link between the woodland habitats on the west of Loughborough and the M1.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Links woodland habitats on the west of Loughborough (PWC-036) and the M1 (PWC-038).

Reference: PWC-038

Evaluation: Parish Value

Grid Reference (to – from): SK4901 1932 to SK4962 1839

*Approximate Length (metres):*1350m

General Description:

Eastern embankment of the M1 (section north of Junction 23). Areas of plantation broadleaved woodland with open grassland and scattered scrub. Includes a short section heading towards Loughborough on the A512.

Reason for Evaluation:

Wide embankments of woodland, grassland and scrub mosaic providing a corridor thorough an arable landscape. Connects plantation and broadleaved woodland areas. The value of the corridor is however reduced by presence of the motorway junction to the south and carriageway to west.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Additional Information:

Part of M1 corridor.

Reference: PWC-039

Evaluation: Parish Value

Grid Reference (to – from): SK4844 2095 to SK4866 2042

*Approximate Length (metres):*550m

General Description:

Northern most stretch of the eastern embankment of the M1. Comprises plantation woodland and grassland embankments.

Reason for Evaluation:

Wide embankments of woodland, grassland and scrub mosaic providing a corridor thorough an arable landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Crosses Black Brook (LWS S.1.6).

Additional Information:

Forms part of the M1 corridor.

Reference: PWC-040

Evaluation: Parish Value

Grid Reference (to – from): SK4850 2069 to SK4744 2010

*Approximate Length (metres):*1450m

General Description:

Section of Black Brook from the M1, passing through an area of semi-improved grassland, woodland and alongside arable fields before crossing under Hallamford Road.

Reason for Evaluation:

The wooded brook links semi-improved grassland, areas of woodland and hedgerows (along Hallamford Road).

SSSI / Local Wildlife Sites / Important Habitats Connected:

The brook itself is a LWS (S.1.6)(SK4820TN2) and it flows past a further LWS (W4720/1) and an areas of semi-improved grassland (SK4820TN1). The corridor links to species-rich hedgerows on Hallamford Road (SK4720TN1 and SK4720TN2).

Reference: PWC-041

Evaluation: Parish Value

Grid Reference (to – from): SK4837 2094 to SK4902 1840

*Approximate Length (metres):*2650m

General Description:

Section of the western M1 embankments, running from the northern edge of the Borough down to Junction 23. Comprises plantation woodland, scattered trees and species-poor semi-improved grassland embankments.

Reason for Evaluation:

Provides an ecological corridor down the eastern side of Shepshed, linking woodland areas (and the disused railway) north of Junction 23 with plantation woodlands along the motorway embankments.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Reference: PWC-042

Evaluation: Parish Value

Grid Reference (to – from): SK4839 1838 to SK4902 1840

*Approximate Length (metres):*650m

General Description:

Wooded disused railway line. Forms a short corridor to the north of the 'Junction 23 Truck Stop'.

Reason for Evaluation:

Although limited in extent, forms a continuation of PWC-043.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Forms part of a longer wildlife corridor of the disused railway which run through Shepshed and then continues in a westerly direction (links to PWC-044).

Reference: PWC-043

Evaluation: Parish Value

Grid Reference (to – from): SK4499 1846 to SK4713 1828

*Approximate Length (metres):*2150m

General Description:

Hedgerows along the A512 (Ashby Road West) heading west from Shepshed.

Reason for Evaluation:

Although the hedgerows occur along a busy road, they do provide a potential link between woodland habitats (both semi-natural and plantation) to the west of Shepshed.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The woodland areas connected include White Horse Wood, LWS W4618/1 (SK4618TN1), woodland areas behind Blackbrook Hill House (LWS W4518/1) and to the far west woodland at Ringing Hill (LWS W4518/3).

Reference: PWC-044

Evaluation: Parish Value

Grid Reference (to – from): SK4546 1858 to SK4628 1864

*Approximate Length (metres):*850m

General Description:

Wooded disused railway line leading west from Shepshed.

Reason for Evaluation:

Links woodland areas to the west of Shepshed (including a SSSI and LWS).

SSSI / Local Wildlife Sites / Important Habitats Connected:

Link Shepshed Cutting SSSI and the woodland areas behind Blackbrook Hill House (LWS W4518/1).

Additional Information:

Forms part of a longer wildlife corridor of the disused railway which run through Shepshed and then continues in an easterly direction (links to PWC-042).

Reference: PWC-045

Evaluation: Parish Value

Grid Reference (to – from): SK4648 1952 to SK4546 1858

*Approximate Length (metres):*1500m

General Description:

Stretch of Black Brook which is lined with trees. The brook passes through areas of semi-improved neutral grassland and semi-natural woodland before crossing under the A512 (Ashby Road West).

Reason for Evaluation:

The brook (LWS S.1.6) links two LWSs as well as further areas of botanically diverse grassland. The brook connects to Blackbrook Reservoir SSSI to the south.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Black Brook is a LWS (S.1.6) and it links areas of semi-improved grassland (SK4619TN2), of which part is a LWS (W4619/1) via a wooded bank to a woodland area (LWS W4518/1). In addition Shepshed Cutting SSSI occurs to the east.

Additional Information:

Part of Black Brook, a watercourse running from Blackbrook Reservoir SSSI around the northern side of Shepshed, before connecting to the River Soar to the north of Loughborough.

Reference: PWC-046

Evaluation: Parish Value

Grid Reference (to – from): SK4584 1847 to SK4578 1784

*Approximate Length (metres):*750m

General Description:

Stretch of Black Brook, flowing from Blackbrook Reservoir SSSI northwards up to the A512 (Ashby Road West).

Reason for Evaluation:

Connects the Blackbrook Reservoir SSSI (and associated habitats) with woodland areas to the north.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects Blackbrook Reservoir SSSI to habitats to the north. The brook is a LWS (S.1.6).

Additional Information:

Part of Black Brook, a watercourse running from Blackbrook Reservoir SSSI, around the northern side of Shepshed, before connecting to the River Soar to the north of Loughborough.

Reference: PWC-047

Evaluation: Parish Value

Grid Reference (to – from): SK4991 1841 to SK4999 1759

*Approximate Length (metres):*825m

General Description:

Wooded corridor running from the A512 in a southerly direction across arable fields, before running down the eastern side of Longcliffe Golf Club.

Reason for Evaluation:

Forms a connection from Longcliffe Golf Course (and LWS) to corridors to the north. The A512 (a busy, wide road), limits connectivity to the areas to the north of the road).

SSSI / Local Wildlife Sites / Important Habitats Connected:

Longcliffe Golf Course is a LWS (W4917/1).

Reference: PWC-048

Evaluation: Parish Value

Grid Reference (to – from): SK4960 1836 to SK4867 1582

*Approximate Length (metres):*2950m

General Description:

Stretch of the M1 eastern embankment leading from Junction 23 (includes a short section of the A512 road edge) southward to the edge of the Borough.

Reason for Evaluation:

A relatively wide corridor of plantation woodland, species-poor grassland and scattered scrub running along the eastern side of the M1. The corridor crosses improved grassland and arable farmland. Also connects to the western side of the Longcliffe Golf Course (a LWS).

SSSI / Local Wildlife Sites / Important Habitats Connected:

Longcliffe Golf Course (LWS (W4917/1) occurs approximately half-way along the corridor.

Additional Information:

Forms part of the M1 corridor.

Reference: PWC-049

Evaluation: Parish Value

Grid Reference (to – from): SK6586 1654 to SK6508 1604

*Approximate Length (metres):*950m

General Description:

Stretch of Thrussington Road leading north east out of Thrussington. Hedgerows occur along both sides, including a section which is species-rich.

Reason for Evaluation:

Provides a corridor through an arable and improved grassland landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Includes a species-rich hedgerow (SK6516TN1) and crosses a stream (PWC-015).

Reference: PWC-050

Evaluation: Parish Value

Grid Reference (to – from): SK6391 1818 to SK6471 1599

*Approximate Length (metres):*2600m

General Description:

Tree lined wet ditch flowing between improved grassland and arable fields, which passes under Seagrave Road before flowing into Trussington.

Reason for Evaluation:

Tree lined wet ditch crossing through intensively farmed landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Reference: PWC-051

Evaluation: Parish Value

Grid Reference (to – from): SK6325 1653 to SK6474 1601

*Approximate Length (metres):*1600m

General Description:

Double hedgerows along Seagrave Road, between the A46 and Thrussington.

Reason for Evaluation:

Although the hedgerows occur along a relatively busy road, and none of the hedgerows are species-rich, the hedgerows do provide an ecological corridor through a primarily arable landscape. Furthermore, the hedgerows do link to the A46 corridor to the west.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects to A46 wildlife corridor (PWC-053).

Reference: PWC-052

Evaluation: Parish Value

Grid Reference (to – from): SK6465 1564 to SK6327 1470

*Approximate Length (metres):*1700m

General Description:

Double hedgerows along Ratcliffe Road, between Thrussington and Ratcliffe-on-the-Wreake.

Reason for Evaluation:

Although the hedgerows occur along a relatively busy road, and none of the hedgerows are species-rich, the hedgerows do provide an ecological corridor through an arable and improved grassland landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Reference: PWC-053

Evaluation: Parish Value

Grid Reference (to – from): SK6325 1653 to SK6324 1650

*Approximate Length (metres):*2375m

General Description:

Hedgerows, grassland verges and scattered tress and scrub along the eastern side of the A46, between the Seagrave Road junction and the Ratcliffe-on-the-Wreake junction.

Reason for Evaluation:

Part of the A46 wildlife corridor, continuing all the way to Leicester. Forms corridor thorough area of predominately improved pasture.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Additional Information:

Part of the A46 wildlife corridor, continuing all the way to Leicester.

Reference: PWC-054

Evaluation: Parish Value

Grid Reference (to – from): SK6319 1653 to SK6253 1424

*Approximate Length (metres):*2400m

General Description:

Plantation woodlands (many recent planting), hedgerows, grassland verges and scattered trees forming a corridor along the western side of the A46 between the Seagrave Road junction and the Ratcliffe Road junction.

Reason for Evaluation:

Forms part of the A46 wildlife corridor.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects to BWC-012, PWC-017, PWC-063 and PWC-064.

Additional Information:

Part of the A46 wildlife corridor, continuing all the way to Leicester.

Reference: PWC-055

Evaluation: Parish Value

Grid Reference (to – from): SK6541 1455 to SK6628 1481

*Approximate Length (metres):*975m

General Description:

Stretch of stream to the east of Rearsby village. Crosses through arable land and passes under the A607 (Melton Road).

Reason for Evaluation:

The stream passes under the A607 road, connects to pond, passes through an allotments and flows to the south of woodland (LWS). Will provide a corridor for riparian species.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The watercourse connect to a pond (SK6614TN1) and flows to the south of a woodland LWS (W6514/1).

Additional Information:

The ditch eventually flows into the River Wreake (BWC-013), to the west of Rearsby.

Reference: PWC-056

Evaluation: Parish Value

Grid Reference (to – from): SK6561 1460 to SK6758 1406

*Approximate Length (metres):*2230m

General Description:

Wet ditch running between arable fields to the east of Rearsby village. Flows under the A607 (Melton Road). Scattered trees occurred along sections of the watercourse.

Reason for Evaluation:

Provides corridor for riparian species through a arable landscape. Also provides potential route under the A607 road.

SSSI / Local Wildlife Sites / Important Habitats Connected:

At the far western end the ditch connects into PWC-055, adjacent to a woodland LWS (W6514/1).

Reference: PWC-057

Evaluation: Parish Value

Grid Reference (to – from): SK6517 1412 to SK6675 1334

*Approximate Length (metres):*1800m

General Description:

Hedgerows alongside Gaddesby Lane.

Reason for Evaluation:

Although the hedgerow were not species-rich and the presence of a number of farms and Rearsby Business Park does reduce its value. However the hedgerows do still provide a corridor through a predominately arable area.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Reference: PWC-058

Evaluation: Parish Value

Grid Reference (to – from): SK6621 1497 to SK6430 1290

*Approximate Length (metres):*2870m

General Description:

Hedgerows, plantation woodlands and grassland verges along the A607 (Melton Road), between the Queniborough roundabout and the Borough boundary to the north east.

Reason for Evaluation:

Road verges, hedgerows and plantation woodlands crossing through arable landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Reference: PWC-059

Evaluation: Parish Value

Grid Reference (to – from): SK6442 1516 to SK6487 1456

*Approximate Length (metres):*830m

General Description:

Stream flowing from Rearsby in the north westerly direction, under a railway and then into the River Wreake.

Reason for Evaluation:

The stream connects to a number of wet ditches and forms part of a much longer watercourse (PWC-055). This provides a corridor through a predominantly arable and improved pasture landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The watercourse flows into the River Wreake (LWS S.4.7), a Borough value wildlife corridor (BWC-013).

Reference: PWC-060

Evaluation: Parish Value

Grid Reference (to – from): SK6260 1636 to SK5952 1355

*Approximate Length (metres):*4950m

General Description:

A tree and scrub lined stream running from Park Hill Golf Club through predominately arable land along the south eastern side of Sileby. The stream crosses the Midland Main Line, flows past Cossington and eventually flows into the River Soar.

Reason for Evaluation:

Provides a corridor though arable land at the north eastern end, and the through species-poor semi-improved grassland at the south western end (where it also flows through Cossington Meadows, Wildlife Trust reserve).

SSSI / Local Wildlife Sites / Important Habitats Connected:

Although not a designated site, the stream does flow through Cossington Meadows (Leicestershire and Rutland Wildlife Trust reserve), and eventually flows into the River Soar (LWS S.2.7), a corridor identified as being of County value (CWC-001).

Reference: PWC-061

Evaluation: Parish Value

Grid Reference (to – from): SK6222 1493 to SK6106 1376

*Approximate Length (metres):*1675m

General Description:

Double hedgerows running along Blackberry Lane.

Reason for Evaluation:

Double hedgerows alongside a farm track through a predominately arable landscape. A number of ponds occur beside the track, and therefore the hedgerows provide a potential corridor for amphibians moving between ponds.

SSSI / Local Wildlife Sites / Important Habitats Connected:

A number of ponds occur in the vicinity of the farm track, including SK6114TN1 and SK6114TN2.

Reference: PWC-062

Evaluation: Parish Value

Grid Reference (to – from): SK6240 1456 to SK6089 1363

*Approximate Length (metres):*1950m

General Description:

Double hedgerows alongside Humble Lane to Cossington. Also includes a woodland strip at the northern end.

Reason for Evaluation:

Although the hedgerows are not species-rich, and they occur beside a road, they do provide a potential corridor through a predominately arable landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Reference: PWC-063

Evaluation: Parish Value

Grid Reference (to – from): SK6138 1504 to SK6250 1422

*Approximate Length (metres):*1400m

General Description:

Double hedgerows and woodland strips alongside Ratcliffe Road, between the A46 (Ratcliffe junction) to Sileby.

Reason for Evaluation:

Although alongside a busy road, the habitats provide a corridor through arable farmland.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Provides a connection for a number of Parish identified wildlife corridors (PWC-062, PWC-061, PWC-060, PWC-054 and PWC-064).

Reference: PWC-064

Evaluation: Parish Value

Grid Reference (to – from): SK6251 1420 to SK6196 1310

*Approximate Length (metres):*1275m

General Description:

Western side of the A46 between the Ratcliffe junction and the road bridge over the A607.

Reason for Evaluation:

Forms part of the A46 corridor. This section comprises grassland verges, plantation woodland, hedgerows and scattered trees. It runs beside improved grassland and arable fields, thereby providing a corridor through these species-poor, open habitats.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects to PWC-054, PWC-063 and PWC-097.

Additional Information:

Forms part of the A46 corridor, running all the way to Leicester.

Reference: PWC-065

Evaluation: Parish Value

Grid Reference (to – from): SK6259 1417 to SK6228 1310

*Approximate Length (metres):*1125m

General Description:

Eastern side of the A46, between the Ratcliffe junction and roundabout with the A607.

Reason for Evaluation:

Forms part of the A46 corridor. Comprising hedgerows and plantation woodland. A number of ponds/lakes occur to the east, and the corridor would provide a potential link for amphibians moving between these water bodies.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Located within the fields to the east of the corridor occur a number of ponds and lakes, including SK6213TN4 and SK6213TN5. Connects to PWC-053 and PWC-094.

Additional Information:

Forms part of the A46 corridor, running all the way to Leicester.

Reference: PWC-066

Evaluation: Parish Value

Grid Reference (to – from): SK6059 1459 to SK6190 1189

*Approximate Length (metres):*3000m

General Description:

Stretch of the Midlands Main Line railway between Sileby and Syston. Comprises of embankments supporting scrub, scattered trees, hedgerows, tall ruderal and species-poor grassland.

Reason for Evaluation:

The corridor crosses a predominately agricultural landscape, and therefore provides potential commuting habitat for faunal and floral species. Furthermore, the railway line crosses a number of parish value corridors, and therefore provides additional connectivity.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The railway crosses the River Wreake (LWS S.4.7), a Borough value wildlife corridor (BWC-013). In addition it also crosses a number of Parish wildlife corridors (PWC-60, PWC-062, PWC-095 and PWC-097).

Reference: PWC-067

Evaluation: Parish Value

Grid Reference (to – from): SK5810 1707 to SK6010 1536

*Approximate Length (metres):*2700m

General Description:

Stretch of the Midland Main Line from Barrow-upon-Soar to Sileby. Comprises embankments with semi-natural woodland, plantation woodland, tall ruderal and scattered scrub.

Reason for Evaluation:

Forms a wooded corridor through area of industry (Brett Landscaping works to the south west and British Gypsum works to the north east of the line) and forms connections across area of improved grassland and arable fields.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Reference: PWC-068

Evaluation: Parish Value

Grid Reference (to – from): SK5846 1767 to SK5854 1694

*Approximate Length (metres):*800m

General Description:

A corridor of plantation woodland to the east of Barrow-upon-Soar, links Melton Road to the Midland Main Line.

Reason for Evaluation:

The woodland strip, although of immature plantation, links a wildlife corridor to the north to the Midland Main Line corridor to the south, across an area of arable and improved grassland.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Links a Parish value corridor to the north (PWC-026, along Melton Road) to the Midland Main Line (PWC-067) to the south.

Reference: PWC-069

Evaluation: Parish Value

Grid Reference (to – from): SK5990 1687 to SK5948 1624

*Approximate Length (metres):*930m

General Description:

Plantation woodlands and hedgerows forming a corridor down the eastern side of the British Gypsum works.

Reason for Evaluation:

Forms a corridor down the eastern side of the British Gypsum works (habitats cross through arable and improved grassland fields). The corridor links a Borough value wildlife corridor to the north with the Midland Main Line to the south.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Links the Borough wildlife corridor to the north (BWC-010) to the Midland Main Line to the south (PWC-067).

Reference: PWC-070

Evaluation: Parish Value

Grid Reference (to – from): SK5768 1519 to SK5605 1339

*Approximate Length (metres):*2470m

General Description:

Wooded (and dense scrub) disused railway line (and short section of road) running from Mountsorrel, through area of quarries then across arable fields, through an area of woodland, across further arable and improved fields before linking to the Great Central Railway.

Reason for Evaluation:

Forms a wooded link through quarries (active to the west, restored to the east) and then across arable and improved grassland. Also provides a connection to the Great Central Railway (BWC-002).

SSSI / Local Wildlife Sites / Important Habitats Connected:

The corridor passes to the west of Main Quarry, Mountsorrel SSSI, to the east of a LWS (W5614/12) and at the far southern end, ceases adjacent to Buddon Wood & Swithland Reservoir SSSI.

Reference: PWC-071

Evaluation: Parish Value

Grid Reference (to – from): SK5638 1415 to SK5681 1437

*Approximate Length (metres):*475m

General Description:

Hedgerows along Kinchley Lane between Swithland Reservoir and Swithland Lane.

Reason for Evaluation:

Although only a short section of hedgerow lined road, it links the woodland areas surrounding the reservoir (to the west) to woodland areas at Nuckley Hill Spinney (and therefore disused railway line) to the east.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Buddon Wood & Swithland Reservoir SSSI occurs at the western end, and via a woodland area (Nuckley Hill Spinney) to the disused railway line at the eastern end (PWC-070).

Reference: PWC-072

Evaluation: Parish Value

Grid Reference (to – from): SK5616 1640 to SK5525 1469

*Approximate Length (metres):*270m

General Description:

A wooded stream running from Swithland Reservoir in a northerly direct towards Quorn.

Reason for Evaluation:

The stream passes through a number of LWS, runs alongside a SSSI (for part of its length) and connects a number of woodland areas.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The stream runs alongside Buddon Wood & Swithland Reservoir SSSI, runs through LWS W5515/6, LWS W5515/4, LWS W5516/3 and LWS W5516/4. Leads up to the Great Central Railway (BWC-002).

Reference: PWC-073

Evaluation: Parish Value

Grid Reference (to – from): Forms circular corridor around the perimeter of active quarry (centre of quarry, SK 563 151).

*Approximate Length (metres):*3700m

General Description:

Blocks of woodland (semi-natural and plantation) forming a near continuous band of woodland around the perimeter of Mountsorrel Quarry.

Reason for Evaluation:

Forms corridors around the quarry and links habitats to the west with areas to the east. Also links a LWSs and a SSSI.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Parts of the corridor occurs within Buddon Wood & Swithland Reservoir SSSI, with other section within LWS W5515/5, LWS W5516/3 and LWS W5615/2. This includes woodland areas described by Target Notes SK5615TN3, SK5615TN2, SK5615TN5 and SK5614TN3.

Reference: PWC-074

Evaluation: Parish Value

Grid Reference (to – from): SK5695 1501 to SK5725 1476

*Approximate Length (metres):*700m

General Description:

Plantation and semi-natural broadleaved woodlands to the east of Wood Lane, and then north of Bond Lane.

Reason for Evaluation:

The woodland forms a connection between wooded areas to the west (around Mountsorrel Quarry) and woodland and scrub areas to the east (disused railway line).

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects PWC-073, via a LWS (LWS W5614/12) to PWC-070.

Reference: PWC-075

Evaluation: Parish Value

Grid Reference (to – from): SK5397 1495 to SK5525 1468

*Approximate Length (metres):*1500m

General Description:

A tree and scrub lined stream running from the west of Brand Lane (south of Woodhouse village) in an easterly direction across arable and species-poor semi-improved fields, past Rushley Fields Manor, across further fields before flowing under the Great Central Railway.

Reason for Evaluation:

Connects water bodies to the west (one is a LWS), and forms a corridor across agricultural land.

SSSI / Local Wildlife Sites / Important Habitats Connected:

At its western end the corridor connects to a lake, LWS W5314/9 (SK5314TN1) and passes a further waterbody (SK5414TN1). At the far eastern end the stream flows under the Great Central Railway, a Borough value wildlife corridor (BWC-002) and connects into a Parish level corridor (PWC-072), which is a continuation of the same stream.

Reference: PWC-076

Evaluation: Parish Value

Grid Reference (to – from): SK5568 1441 to SK5630 1220

*Approximate Length (metres):*2965m

General Description:

Woodland corridor running down the western side of Buddon Wood & Swithland Reservoir SSSI. The woodland corridor then continues southwards on from the reservoir.

Reason for Evaluation:

Provides a corridor for woodland species down the western side of Buddon Wood & Swithland Reservoir SSSI (with arable fields occurring to the west of the woodland). To the south of the reservoir the corridor provides a link through species-poor semi-improved grassland.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The majority of the corridor occurs within Buddon Wood & Swithland Reservoir SSSI, with other sections within LWS W5513/1 and LWS W5612/1. The corridor crosses the Great Central Railway (BWC-002).

Reference: PWC-077

Evaluation: Parish Value

Grid Reference (to – from): SK5387 1426 to SK5512 1466

*Approximate Length (metres):*1420m

General Description:

Tree lined stream running from Brand Lane across improved and poor semi-improved grassland fields in the direction of Swithland Reservoir.

Reason for Evaluation:

Connect hedgerow habitats along Brand Lane with habitats around Buddon Wood & Swithland Reservoir SSSI.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Leads from Brand Lane (PWC-078) and connects into PWC-075 (which leads to Buddon Wood & Swithland Reservoir SSSI).

Reference: PWC-078

Evaluation: Parish Value

Grid Reference (to – from): SK5377 1487 to SK5383 1366

*Approximate Length (metres):*1285m

General Description:

Double hedgerows (many of which are species-rich) running along Brand Lane from Woodhouse village southwards.

Reason for Evaluation:

The majority of the hedgerows along the road are species-rich and cross through an area of arable and improved grassland fields. Furthermore Brand Lane connects a number of other Parish identified wildlife corridors.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Species-rich hedgerows (some with trees) occur along Brand Lane (SK5314TN11, SK5314TN18, SK5314TN17, SK5314TN15, SK5314TN16, SK5313TN6 and SK5313TN6), as does an area of wood anemone (SK5314TN12). Brand Lane connects to PWC-077, PWC-079 and PWC-080.

Reference: PWC-079

Evaluation: Parish Value

Grid Reference (to – from): SK5387 1426 to SK5559 1441

*Approximate Length (metres):*1700m

General Description:

Species-rich hedgerows along the farm track to Rushley Fields Farm, the track then continues on over the Great Central Railway before reaching Buddon Wood & Swithland Reservoir SSSI.

Reason for Evaluation:

Many of the hedgerows are species-rich and the double hedgerows along the farm track provided a connection between Brand Lane (and its connections to a wider area) and Buddon Wood & Swithland Reservoir SSSI. In addition it crosses the Great Central Railway, a Borough identified wildlife corridor (BWC-002).

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects Buddon Wood & Swithland Reservoir SSSI, crosses the Great Central Railway (BWC-002). The species-rich hedgerows include SK5414TN8, SK5414TN6, SK5414TN5, SK5414TN5, SK5414TN2 and SK5414TN3.

Reference: PWC-080

Evaluation: Parish Value

Grid Reference (to – from): SK5327 1433 to SK5374 1476

*Approximate Length (metres):*660m

General Description:

Species-rich hedgerows between Brand Lane and Woodhouse Eaves village.

Reason for Evaluation:

The species-rich hedgerows connect to Brand Lane (a Parish identified wildlife corridor), and provide an ecological corridor through an area of arable fields.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The corridor runs pass LWS W5314/8, and include species-rich hedgerows SK5314TN11, SK5314TN13 and SK5314TN14.

Reference: PWC-081

Evaluation: Parish Value

Grid Reference (to – from): SK5402 1362 to SK5527 1451

*Approximate Length (metres):*1725m

General Description:

Wet ditch lined with trees, scrubs and bordered along sections by hedgerows with trees. The ditch crosses through arable fields before eventually connecting to the Great Central Railway.

Reason for Evaluation:

Forms a corridor through area of predominately arable land. Eventually connects with the Great Central Railway, a Borough value wildlife corridor.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Crosses PWC-079 and connects to BWC-002. Includes SK5514TN3 (relates to the ditch) and SK5413TN1 (adjacent woodland area).

Reference: PWC-082

Evaluation: Parish Value

Grid Reference (to – from): SK5298 1486 to SK5376 1514

*Approximate Length (metres):*850m

General Description:

Wide road verges and associated hedgerows (some species-rich) along the B591, Forest Road, between Woodhouse Eaves and Woodhouse.

Reason for Evaluation:

The verges and associated hedgerow, although along a relatively busy road, do provide a corridor through an intensively farmed landscape. In addition, some of the hedgerows were species-rich.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The species-rich hedgerows present were SK5314TN10 and SK5314TN9 (with trees). In addition a further diverse hedgerow (although not evaluated as species-rich) was also present (SK5314TN3).

Reference: PWC-083

Evaluation: Parish Value

Grid Reference (to – from): SK5319 1586 to SK5538 1687

*Approximate Length (metres):*3050m

General Description:

Stream running from a mixed plantation woodland near Beaumanor Park in an easterly direction, through in-line ponds, through the grounds of Beaumanor Hall, through a woodland to the north of Woodhouse village before crossing arable fields. The stream flows past plantation woodland areas before crossing under the Great Central Railway. After this it flows along the north western side of sports pitches before heading south east into Quorn. For the majority of the route, the stream is tree lined, however more open areas occur towards the town of Quorn.

Reason for Evaluation:

Links an in-line pond with nearby woodland areas. Also provides a corridor through agricultural landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects the in-line pond (SK5315TN1), and further toward Quorn enters an open area (SK5516TN2) before flowing through a wooded section (SK5516TN1). Further along the stream (within Quorn itself) it passes through LWS W5516/5 and LWS W5516/1. The corridor also crosses the Great Central Railway (BWC-002).

Reference: PWC-084

Evaluation: Parish Value

Grid Reference (to – from): SK5512 1744 to SK5897 1425

Approximate Length (metres): 5425m

General Description:

Plantation woodlands and scrubby embankments along the A6 road between the roundabout to the north west of Quorn, and the east of Mountsorrel.

Reason for Evaluation:

Although the A6 is a busy main road, with a number of junctions and a roundabout (breaking up the corridor), the plantation, scrub and grassland embankments not only provide habitat for a range of faunal species, they also provide an ecological corridor connecting numerous LWS as well as connecting sections of a County identified wildlife corridor.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The following LWS occur along the corridor (adjacent to the road embankments), LWS W5617/1, LWS W5716/1, LWS W5716/2, LWS W5816/1, LWS W5815/15, LWS W5815/13, LWS W5815/14, LWS W5815/1 and LWS W5815/16. In addition the A6 crosses the River Soar (LWS S.2.7) on four occasions. The River Soar has been identified as a County value wildlife corridor.

Reference: PWC-085

Evaluation: Parish Value

Grid Reference (to – from): SK5062 1698 to SK5065 1591

Approximate Length (metres): 1100m

General Description:

Wood Brook flows through areas of woodland, under Woodhouse Lane to connect to the reservoir at Nanpantan.

Reason for Evaluation:

The brook (and wider woodland) provide an wildlife corridor connecting various areas of habitat, including acid grassland, semi-improved grassland, areas of bracken and woodland areas further afield.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The brook runs along the western edge of LWS W5016/2, and connects to LWS W5017/1. Two ponds occur adjacent, SK5016TN7 and SK5016TN9.

Reference: PWC-086

Evaluation: Parish Value

Grid Reference (to – from): SK4913 1738 to SK4999 1759

Approximate Length (metres): 850m

General Description:

Plantation and dense scrub corridor along the southern side of Charnwood Quarry.

Reason for Evaluation:

Forms a wooded corridor along the southern edge of an active quarry, with improved grassland fields to the south of the corridor.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Links to the M1 corridor (PWC-048) at the western end.

Reference: PWC-087

Evaluation: Parish Value

Grid Reference (to – from): SK4895 1826 to SK4858 1573

*Approximate Length (metres):*2600m

General Description:

Woodland areas and wooded motorway embankments on the western side of the M1, between Junction 23 and the southern Borough boundary.

Reason for Evaluation:

Forms part of the western M1 wildlife corridor. Links a number of wooded areas (relatively large areas occur towards the northern end of the corridor) within a predominately arable and improved grassland landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Additional Information:

Part of the western side M1 corridor.

Reference: PWC-088

Evaluation: Parish Value

Grid Reference (to – from): SK4624 1830 to SK4840 1559

*Approximate Length (metres):*3580m

General Description:

Hedgerows running alongside Charley Road, from the junction with A512 in a southerly direction, over the Abbey Road / Iveshead Road crossroads up to edge of the Borough (just before the road goes under the M1).

Reason for Evaluation:

Although the hedgerows occur alongside a relatively busy road, the hedgerows (one of which was species-rich) connects a number of LWS and areas of diverse grassland and areas of woodland. Furthermore the majority of habitats that the hedgerows pass through are species-poor (arable and improved grassland fields).

SSSI / Local Wildlife Sites / Important Habitats Connected:

Links diverse semi-improved grassland areas, LWS W4716/9, marshy grassland (LWS W4716/9, SK4716TN1), LWS W4717/6, LWS W4716/10 and one hedgerow was recorded as species-rich (SK4715TN1).

Reference: PWC-089

Evaluation: Parish Value

Grid Reference (to – from): SK6276 1325 to SK6678 1286

*Approximate Length (metres):*5780m

General Description:

Gaddesby Brook flows from the eastern Borough boundary through agricultural landscape, then flows to the immediate south of East Goscote village past some fishing lakes and then connects into the River Wreake.

Reason for Evaluation:

The wooded and tree-lined brook flows through an agricultural landscape and connects a number of woodland areas and diverse grassland sites. Also eventually connects into the River Wreake (a LWS and BWC).

SSSI / Local Wildlife Sites / Important Habitats Connected:

The brook flows into the River Wreake, a LWS (S.4.7) and a corridor identified as providing Borough ecological value (BWC-013). It also connects with Queniborough Brook (BWC-017), another corridor for which part is identified as being of Borough value. Along the brook a number of habitats are connected, including old gravel extraction works, (SK6313TN1) and wooded sections of the brook (SK6313TN2). The brook flows under Melton

Road (PWC-058), past a lake (SK6513TN1) and at the far eastern end past a pond (SK6612TN3) and areas of diverse semi-improved grassland (SK6612TN2).

Reference: PWC-090

Evaluation: Parish Value

Grid Reference (to – from): SK6516 1206 to SK7116 0971

*Approximate Length (metres):*6550m

General Description:

Hedgerows alongside South Croxton Road, as it leads east from the village of Queniborough towards the Borough boundary.

Reason for Evaluation:

At the far western end the road crosses Queniborough Brook and runs past grassland LWS. After this it forms a connection through a predominately species-poor grassland and arable field landscape. Towards the far eastern end of the corridor a number of grassland LWS and a semi-improved grassland area are connected.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Queniborough Brook is crossed at the far western end, the brook is a Borough identified wildlife corridor (BWC-017). The hedgerow lined road passes semi-improved grassland (LWS W6511/1, SK6511TN1) and LWS W6511/2 (SK6611TN3). Connects to PWC-091. At the eastern end of the corridor the hedgerow lined road passes grassland LWS W6910/7 (SK6910TN5) and an area of semi-improved grassland (SK7009TN4).

Reference: PWC-091

Evaluation: Parish Value

Grid Reference (to – from): SK7034 1015 to SK6990 0927

*Approximate Length (metres):*1000m

General Description:

Species-rich hedgerows alongside the road leading from South Croxton Road, south towards Baggrave Park.

Reason for Evaluation:

The majority of the hedgerows alongside the road are species-rich. Furthermore, it provides a corridor through predominately arable landscape and connects to a grassland LWS at the far southern end.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects to LWS W6909/1 (SK6909TN2) at the southern end. The species-rich hedgerows are described by SK7009TN1, SK7009TN2 and SK6909TN9. Runs close to BWC-017.

Reference: PWC-092

Evaluation: Parish Value

Grid Reference (to – from): SK6399 1136 to SK6703 1009

*Approximate Length (metres):*3410m

General Description:

Hedgerows and relatively wide species-poor grassland verges alongside Ridgemere Lane between Queniborough Road (to the west) and Barkby Holt woods, to the east.

Reason for Evaluation:

Although not found to be species-rich, the hedgerows and road verges provide an ecological corridor through predominately arable landscape. Also connects with area of broadleaved woodland at far eastern end.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Passes two ponds (SK6411TN5 and SK6411TN4) and connects to Barkby Holt woodland (LWS W6709/1, SK6709TN1) at the far eastern end.

Reference: PWC-093

Evaluation: Parish Value

Grid Reference (to – from): SK6437 1309 to SK6528 1204

*Approximate Length (metres):*1610m

General Description:

Section of Queniborough Brook, between South Croxton Road and southern side of East Goscote.

Reason for Evaluation:

Although part of the longer Queniborough Brook (a BWC), this section was noted to be generally not very botanically diverse. Furthermore its value is decreased by occurring adjacent to the outskirts of the village. However it does still provide a connection between the main stretch of the brook and the River Wreake.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Links PWC-089 and BWC-017. Includes section of brook (SK6412TN1) and connects to PWC-090.

Reference: PWC-094

Evaluation: Parish Value

Grid Reference (to – from): SK6230 1303 to SK6420 1289

*Approximate Length (metres):*1930m

General Description:

Section of the A607 between the roundabout at the A46 junction and the roundabout with Melton Road. The road has relatively wide, wooded embankments.

Reason for Evaluation:

The wooded embankments provide an ecological corridor through improved grassland farmland. Furthermore, it provides a corridor through settlements, with the village of East Goscote to the north and Queniborough (and part of Syston) to the south.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Crosses the River Wreake (LWS S.4.7 and BWC-013). Connects to the A46 to the west.

Reference: PWC-095

Evaluation: Parish Value

Grid Reference (to – from): SK6150 1268 to SK6119 1173

*Approximate Length (metres):*1090m

General Description:

Eastern (south eastern) side of the A46, between the A607 junction to the north and A607 roundabout to the south.

Reason for Evaluation:

Forms part of the A46 corridor. Also connects a number of other Parish identified wildlife corridors, a Borough identified wildlife corridor and LWSs.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Crosses the River Wreake (LWS S.4.7, BWC-013) and connects to LWS W6111/1 (a series of lakes, SK6111TN1 and SK6111TN2). Connects to PWC-066 and PWC-096.

Reference: PWC-096

Evaluation: Parish Value

Grid Reference (to – from): SK5968 1229 to SK6188 1177

*Approximate Length (metres):*2270m

General Description:

Hedgerow and wooded habitats along Meadow Lane, from Syston, over the A46, over the Grand Union canal and then ceasing close to the River Soar.

Reason for Evaluation:

Forms a terrestrial link between a number of aquatic habitats. Its value is decreased by crossing over the A46 (via a road bridge).

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects wetland areas (LWS W6111/1), a fishing lake (SK6111TN4), the Grand Union Canal (BWC-016), disused gravel pits (south of Meadow Lane) and ceases approximately 100m from the River Soar (LWS S.2.7, CWC-001).

Reference: PWC-097

Evaluation: Parish Value

Grid Reference (to – from): SK5950 1301 to SK6197 1310

*Approximate Length (metres):*2575m

General Description:

Hedgerows and plantation woodland running beside Syston Road between the bridge over the River Soar (western end) and A46 junction (this includes a short section of the A607).

Reason for Evaluation:

Forms a corridor through an arable landscape (eastern end) and connects areas grassland, and connects to the River Soar (at the western end).

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects to River Soar (LWS S.2.7, CWC-001), crosses PWC-066 and connects to the A46 corridor (PWC-064).

Reference: PWC-098

Evaluation: Parish Value

Grid Reference (to – from): SK5686 1139 to SK5710 1095

*Approximate Length (metres):*625m

General Description:

Short stretch of wooded stream to the north east of Thurcaston. Crosses through arable land and links into the Rothley Brook.

Reason for Evaluation:

Forms a wooded, stream corridor through arable area. Also links into a LWS and BWC.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Links into the Rothley Brook (LWS S.2.8, BWC-001).

Reference: PWC-099

Evaluation: Parish Value

Grid Reference (to – from): SK5652 1258 to SK5513 1123

*Approximate Length (metres):*1940m

General Description:

Stream running from the water works at Cropston Reservoir in a north easterly direction, under Bradgate Road, past semi-improved grassland before flowing through areas of marshy grassland, further areas of semi-improved grassland before passing by broadleaved woodland.

Reason for Evaluation:

Connects wooded areas and grassland areas (some of which are LWSs) through arable and improved grassland fields.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Grassland areas connected include LWS W5612/1 (SK5511TN3 and SK5612TN2), and area of semi-improved grassland (SK5511TN5). The broadleaved woodland at the far northern end is also a LWS (W5612/2). Other features of note are ponds (SK5511TN4, SK5511TN7 and SK5511TN8), tree lined sections of the stream (SK5511TN6 and SK5511TN2) and that the woodland at the far northern end connects to PWC-076, which links to Buddon Wood & Swithland Reservoir SSSI.

Reference: PWC-100

Evaluation: Parish Value

Grid Reference (to – from): SK5384 1188 to SK5588 1323

*Approximate Length (metres):*2990m

General Description:

Stream flowing from Swithland Wood in a easterly direction under Leicester Lane, to Swithland.

Reason for Evaluation:

Connects Swithland Wood (Swithland Wood & The Brand SSSI) and areas of plantation woodland along the stream.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects Swithland Wood & The Brand SSSI with woodlands (SK5411TN6 and SK5411TN11) and wooded sections of stream (SK5512TN4).

Reference: PWC-101

Evaluation: Parish Value

Grid Reference (to – from): SK5426 1264 to SK5528 1275

*Approximate Length (metres):*1170m

General Description:

Stream connecting Swithland Wood to Moore Spinney, crosses Leicester Lane and leads to the edge of Swithland village.

Reason for Evaluation:

Tree lined stream linking areas of woodland within a predominately arable landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Links Swithland Wood (Swithland Wood & The Brand SSSI) and crosses PWC-102. A pond (SK5412TN11) occurs adjacent.

Reference: PWC-102

Evaluation: Parish Value

Grid Reference (to – from): SK5486 1303 to SK5587 1156

*Approximate Length (metres):*2215m

General Description:

Species-rich hedgerows (with trees) running along both side of Leicester Lane, southwards from Swithland to the junction with Bradgate Road. After this it runs for a short section along Bradgate Road in a easterly direction to the village of Cropston.

Reason for Evaluation:

The hedgerows along the majority of the route are species-rich. Furthermore, plantation woodland (immature) are also present adding to the tree and hedgerow corridors through a predominately arable and improved grassland landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Crosses PWC-099, PWC-100, PWC-101 and PWC-103. It passes by a relatively diverse grassland area (SK5511TN5). The species-rich hedgerows are detailed in Target Notes SK5412TN4, SK5412TN5, SK5412TN6, SK5412TN7, SK5412TN8, SK5411TN9, SK5511TN12, SK5511TN13, SK5511TN14 and SK5511TN11.

Reference: PWC-103

Evaluation: Parish Value

Grid Reference (to – from): SK5433 1141 to SK5550 1153

*Approximate Length (metres):*1175m

General Description:

Species-rich hedgerows running along Bradgate Road, from north of Swithland Reservoir to the junction with Leicester Lane.

Reason for Evaluation:

Species-rich hedgerows linking woodland areas.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The corridor runs close to Bradgate Park & Cropston Reservoir SSSI, a Local Wildlife Site (W5411/1) and includes species-rich hedgerows, SK5411TN10 and SK5511TN15. It also links to PWC-102.

Reference: PWC-104

Evaluation: Parish Value

Grid Reference (to – from): SK5437 1165 to SK5440 1143

*Approximate Length (metres):*230m

General Description:

Short stretch of hedgerow and plantation woodland leading north from Bradgate Road up to a woodland area to the north.

Reason for Evaluation:

Forms a link between Bradgate Road and Swithland Wood & The Brand SSSI (via an area of broadleaved woodland).

SSSI / Local Wildlife Sites / Important Habitats Connected:

Links PWC-103 (Bradgate Road) to PWC-100, via an area of broadleaved woodland (SK5411TN6) which connects to Swithland Wood & The Brand SSSI.

Reference: PWC-105

Evaluation: Parish Value

Grid Reference (to – from): SK5279 1251 to SK5433 1318

*Approximate Length (metres):*2360m

General Description:

Stream running from Joe Moore's Lane northwards through Lingdale Golf Course, through Brand Hills, under Main Street, before flowing towards Swithland village.

Reason for Evaluation:

Provides a wooded stream corridor linking wooded areas isolated by improved and amenity grassland.

SSSI / Local Wildlife Sites / Important Habitats Connected:

A stretch of the stream runs through Swithland Wood & The Brand SSSI (mixed woodland).

Reference: PWC-106

Evaluation: Parish Value

Grid Reference (to – from): SK5061 1422 to SK5138 1318

*Approximate Length (metres):*1325m

General Description:

Hedgerows running either side of Benscliffe Road between Beacon Hill Country Park and Benscliffe Wood.

Reason for Evaluation:

Although species-poor and alongside a busy road, the hedgerows provide a potentially important link between the two wooded areas.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects Beacon Hill Country Park (to the north) with Benscliffe Wood (W5112/1) to the south.

Reference: PWC-107

Evaluation: Parish Value

Grid Reference (to – from): SK4865 1192 to SK4928 1124

*Approximate Length (metres):*1030m

General Description:

Section of stream running from Coalbourn Wood under Priory Lane to Ulverscroft Wood.

Reason for Evaluation:

Links wooded areas to the north west of Priory Lane to woodland areas to the south east, both of which are Local Wildlife Sites.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Links LWS W4812/7 and W4911/15. To the east, the stream corridor is of higher value (BWC-003).

Additional Information:

Forms the most western section of a stream which eventually flows to Bradgate Park.

Reference: PWC-108

Evaluation: Parish Value

Grid Reference (to – from): 4870 1095 to SK5006 1001

*Approximate Length (metres):*1700m

General Description:

Plantation woodland and road verges along the northern side of the A50, from the edge of the Borough in a easterly direction to just beyond the roundabout at Markfield.

Reason for Evaluation:

Forms a wooded corridor alongside a busy road. Also connects a number of woodland and grassland areas which are Local Wildlife Sites.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Corridor runs alongside Local Wildlife Sites W4810/1, W4910/2 and W4910/4.

Reference: PWC-109

Evaluation: Parish Value

Grid Reference (to – from): SK7006 0967 to SK7076 0924

*Approximate Length (metres):*815m

General Description:

Strip of plantation woodland crossing through pasture and arable fields.

Reason for Evaluation:

Forms a wooded link between a hedgerow lined road (a feature identified as being a Parish value wildlife corridor) and area of semi-improved grassland, through an area of predominately arable and species-poor pasture fields.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Links PWC-091 and semi-improved grassland (SK7009TN4).

Reference: PWC-110

Evaluation: Parish Value

Grid Reference (to – from): SK6621 0831 to SK6793 0827

*Approximate Length (metres):*1870m

General Description:

Stretch of Beeby Spring running from the Borough boundary to the east, in a westerly direction until it joins Barkby Brook at Beeby. The stream is tree lined for the majority of the route and passes by fishing ponds and a broadleaved woodland area.

Reason for Evaluation:

Forms a corridor through a predominately arable landscape and links wooded areas (one with fishing ponds). The stream also connects into Barkby Brook, a further Parish wildlife corridor.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects to Barkby Brook (PWC-111).

Reference: PWC-111

Evaluation: Parish Value

Grid Reference (to – from): SK6310 1003 to SK6719 0719

*Approximate Length (metres):*6480m

General Description:

Barkby Brook flowing from the far south eastern Borough boundary through the villages of Beeby and Barkby. The brook is predominately tree lined along its length.

Reason for Evaluation:

The brook provides an ecological corridor for riparian species through a predominately arable landscape. Furthermore the brook connects a number of small woodland and scrub areas.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Target notes SK6509TN5 and SK6508TN2 describe the brook at two locations. The brook also connects with PWC-110.

Reference: PWC-112

Evaluation: Parish Value

Grid Reference (to – from): SK6402 0982 to SK6698 0976

*Approximate Length (metres):*2950m

General Description:

Hedgerows running along Barkby Holt Lane between Barkby village and Barkby Holt woodland.

Reason for Evaluation:

Although species-poor, gappy and in places only along one side of the road, the hedgerows do provide a corridor through an arable dominated landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects to Barkby Holt woodland (LWS W6709/1) at the farm eastern end. Dry ponds (SK6609TN2 and SK6609TN3) and pond (SK6509TN4) occur close to the corridor.

Reference: PWC-113

Evaluation: Parish Value

Grid Reference (to – from): SK6407 0764 to SK6595 0703

*Approximate Length (metres):*2350m

General Description:

Stretch of tree lined stream running between Scruptoft Lane and Keyham Lane.

Reason for Evaluation:

Forms a wooded corridor though intensive agricultural landscape.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Not applicable.

Reference: PWC-114

Evaluation: Parish Value

Grid Reference (to – from): SK4581 1784 to SK4650 1725

*Approximate Length (metres):*1535

General Description:

Broadleaved and mixed woodland occurring along the north eastern side of Blackbrook Reservoir.

Reason for Evaluation:

Forms a wooded corridor, with the reservoir to the south and arable fields to the north. The majority of the corridor occurs within a SSSI.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Occurs within Blackbrook Reservoir SSSI. Connects to PWC-046 and PWC-115.

Reference: PWC-115

Evaluation: Parish Value

Grid Reference (to – from): SK4664 1707 to SK4820 1538

*Approximate Length (metres):*2740m

General Description:

Stretch of tree lined stream flowing along the boundary of the Borough into Blackbrook Reservoir.

Reason for Evaluation:

Forms a corridor connecting a number of grassland sites (some of which are Local Wildlife Sites) and eventually flows into a SSSI.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Flows into Blackbrook Reservoir SSSI, and flows through Local Wildlife Sites W4617/6, W4716/9, W4716/8, W4716/3, W4716/11 and W4716/10.

Reference: PWC-116

Evaluation: Parish Value

Grid Reference (to – from): SK5866 1657 to SK5798 1540

*Approximate Length (metres):*1370m

General Description:

Habitats alongside a conveyor belt running from Mountsorrel quarry to Barrow upon Soar.

Reason for Evaluation:

Provides a scrub and wooded corridor through pasture fields. Crosses and connects Local Wildlife Sites.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The corridor crosses Local Wildlife Sites W5815/14, W5815/13 and S.2.7.

5.2 Borough Wildlife Corridors

Reference: BWC-001

Evaluation: Borough Value

Grid Reference (to – from): SK5450 0747 to SK5817 1224

*Approximate Length (metres):*9240m

General Description:

Stretch of the Rothley Brook flowing from south of Anstey, to just south of the A46. It flows northwards (under the A46) through species-poor semi-improved and improved grassland along the eastern side of Anstey. The brook continues northwards, flowing between the villages of Thurcaston and Cropston before flowing under the Great Central Railway. The brook then flows through Rothley Park Golf Course and then Rothley Park, before entering the village of Rothley.

Reason for Evaluation:

Forms an important ecological corridor connecting isolated areas of habitat and eventually flowing into the River Soar. The brook flows through predominately pasture and arable land. The corridor also connects (flows under) the Great Central Railway (a Borough value identified ecological corridor).

SSSI / Local Wildlife Sites / Important Habitats Connected:

The brook is a Local Wildlife Site (S.2.8). The brook flows under the Great Central Railway (BWC-002) and connects to a Parish value identified wildlife corridor (PWC-098).

Additional Information:

The brook continues on beyond Rothley (see BWC-003), and eventually flows in the River Soar.

Reference: BWC-002

Evaluation: Borough Value

Grid Reference (to – from): SK5478 1700 to SK5869 0898

*Approximate Length (metres):*9090m

General Description:

The Great Central Railway, running from the west of the village of Quorn, in a southerly direction over Swithland Reservoir, past Rothley village to the outskirts of Leicester. The corridor comprises the vegetated cutting and embankment sides which are of woodland, scrub and species-poor semi-improved grassland.

Reason for Evaluation:

Forms a corridor through arable and species-poor grassland habitats, connecting numerous Parish identified wildlife corridors and one Borough corridor. Part of the railway line is a Local Wildlife Site and the railway runs through a SSSI.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The railway crosses Buddon Wood & Swithland Reservoir SSSI and the southernmost section of the railway is a Local Wildlife Site (W5810/1). Near the southern end of the corridor the railway passes over Rothley Brook (BWC-001). Parish identified wildlife corridors which connect to or cross the railway line include PWC-070, PWC-072, PWC-075, PWC-076, PWC-079, PWC-081 and PWC-083. At the very southern end the railway passes by a semi-improved grassland field (SK5809TN1).

Reference: BWC-003

Evaluation: Borough Value

Grid Reference (to – from): SK4929 1126 to SK5410 1021

*Approximate Length (metres):*7650m

General Description:

Stretch of stream flowing from Ulverscroft Wood in an easterly direction through areas of marshy grassland and woodlands before flowing through Newton Linford. The stream then flows through the southern part of Bradgate Park (via a series of pools) before eventually flowing into Cropston Reservoir.

Reason for Evaluation:

The stream flows through numerous Local Wildlife Sites (forming a connection between these sites) and flows through a SSSI. In addition the stream connects numerous woodland habitats and grassland areas.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Part of the stream flows through Bradgate Park & Cropston Reservoir SSSI. The stream also flows through Local Wildlife Sites W4910/2, W4910/8, W5010/7, W5010/1, W5110/8 and W5109/3. The stream is a continuation of PWC-107.

Reference: BWC-004

Evaluation: Borough Value

Grid Reference (to – from): SK5458 1967 to SK5652 1820

*Approximate Length (metres):*2850m

General Description:

Stretch of the Grand Union Canal / Leicester Navigation leading east from Loughborough up to the connection with the River Soar.

Reason for Evaluation:

Forms a wide aquatic corridor with marginal vegetation with associated hedgerow habitats alongside towpaths. Connects a number of Local Wildlife Sites and diverse habitats.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Passes by Local Wildlife Sites W5518/1, W5618/1, W5618/6 and connects to the River Soar (LWS S.2.7, CWC-001).

Reference: BWC-005

Evaluation: Borough Value

Grid Reference (to – from): SK5426 2165 to SK5737 1746

*Approximate Length (metres):*5420m

General Description:

Section of the Midland Main Line from the east of Loughborough heading south east until Barrow-upon-Soar. The corridor also includes a short section of the railway spur which leads north (eventually leading to East Leake gypsum works).

Reason for Evaluation:

The railway embankments provide a wooded / scrub corridor through an agricultural landscape. The railway connects species-rich grasslands (at the northern end), of which one area is a SSSI. At the far southern end the corridor connects a number of Local Wildlife Sites. The railway also crosses a corridor identified as being of County value (the River Soar) and a Parish identified corridor.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The far northern end (the spur leading north), the railway passes by Loughborough Meadows SSSI. The corridor also passes by, or crosses over, Local Wildlife Sites W5618/5, W5618/2, W5618/1, W5618/8 and W5618/9. The railway crosses the River Soar (LWS S.2.7 and CBC-001) and PWC-033.

Reference: BWC-006

Evaluation: Borough Value

Grid Reference (to – from): SK6276 2496 to SK6163 2396

*Approximate Length (metres):*1590m

General Description:

Wide roadside verges and associated hedgerows and scrub along East Road, from the Borough boundary in a south westerly direction until the junction with Wide Lane.

Reason for Evaluation:

The wide verges are in general quite species-rich (with part being a Local Wildlife Site) and in association with hedgerows and areas of scrub form a potentially important wildlife corridor through improved and species-poor pasture fields.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Part of the roadside verges is a Local Wildlife Site (W6224/1). At the southern end the corridor links with BWC-007 and at the northern end is crossed by PWC-005. Includes Target Notes for the grassland areas SK6124TN1 and SK6224TN1, as well as a species-rich hedgerow (SK6224TN2).

Reference: BWC-007

Evaluation: Borough Value

Grid Reference (to – from): SK6069 2357 to SK6447 2270

*Approximate Length (metres):*4155m

General Description:

Woodland and species-poor grassland verges running alongside the A6006, from the junction with the A46 in a westerly direction until it reaches Wymeswold.

Reason for Evaluation:

Forms a relatively wide strip of wooded habitat, which provides a corridor for wildlife through a predominately agricultural landscape. Also connects to another Borough identified wildlife corridor, Parish value corridors and includes a species-rich hedgerow.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects to BWC-006, PWC-005 and ends close to the A46 (PWC-006). Includes a species-rich hedgerow (SK6223TN3).

Reference: BWC-008

Evaluation: Borough Value

Grid Reference (to – from): SK5930 2128 to SK6394 2108

*Approximate Length (metres):*4675m

General Description:

Scrub, woodland and grassland verges running alongside the B676 (Melton Road) between the Twenty Acre Piece (close to the Six Hills junction with the A46) and Burton on the Wolds.

Reason for Evaluation:

Forms a relatively wide wooded and scrubbed corridor through an area of predominately arable and improved grassland. Links a SSSI, Local Wildlife Site and connects to other wildlife corridors.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The corridor commences at Twenty Acre Piece SSSI. The SSSI then forms a connection to the A46 corridor (PWC-006 and PWC-017) and a stream (PWC-005). The corridor also links to PWC-009. Local Wildlife Sites W6122/1 (SK6121TN1) and W5921/2 (SK5921TN1) occur adjacent to the corridor.

Reference: BWC-009

Evaluation: Borough Value

Grid Reference (to – from): SK5940 1952 to SK6131 1771

*Approximate Length (metres):*2780m

General Description:

Wide verges, woodland strips and associated hedgerows along Black Lane and Big Lane between Walton on the Wolds and Seagrave.

Reason for Evaluation:

Forms a wooded corridor through predominately arable and species-poor pasture fields and connects a number of immature plantations. The corridor also connects a number of Parish identified wildlife corridors.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects to PWC-019, PWC-024, PWC-025 and PWC-026.

Reference: BWC-010

Evaluation: Borough Value

Grid Reference (to – from): SK6039 1847 to SK5974 1684

*Approximate Length (metres):*1970m

General Description:

Wide, species-rich grassland verges and associated hedgerows, plantation woodlands and stream running along the access road from Melton Road to the Gypsum Works at Barrow-upon-Soar.

Reason for Evaluation:

Forms a species-rich grassland corridor, corridor of hedgerows, scrub and woodland and a riparian corridor (via the small stream), through a predominately arable landscape. In addition the corridor connects to a number of Parish identified wildlife corridors.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects to PWC-026, PWC-025 and PWC-069.

Reference: BWC-011

Evaluation: Borough Value

Grid Reference (to – from): SK6305 1795 to SK6107 1570

*Approximate Length (metres):*3425m

General Description:

Continuation of a tree lined stream flowing from just north of Park Hill Lane, under the road through semi-improved grassland fields and through woodland before flowing through Silby.

Reason for Evaluation:

Connects a number of Local Wildlife Sites and crosses a Borough wildlife corridor. Connects the tree lined stream with other wooded areas and provides a riparian corridor through a predominately arable and improved pasture area.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Runs through LWS W6117/1 and past W6217/2 and W6116/1. Forms a continuation of PWC-018 and crosses BWC-012.

Reference: BWC-012

Evaluation: Borough Value

Grid Reference (to – from): SK6217 1741 to SK6319 1655

*Approximate Length (metres):*1350m

General Description:

Wide, grassland verges and associated hedgerows and trees running alongside Park Hill Lane between Silby and the A46.

Reason for Evaluation:

The verges are species-rich and in association with the hedgerows and scattered trees provide a potentially important ecological corridor through an area of arable and improved pasture fields. The corridor includes Local Wildlife Sites and the corridor connects to a number of other wildlife corridors.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The majority of the corridor is Local Wildlife Site (W6217/2) and it adjoins W6217/1. The corridor crosses BWC-011 and connects to the A46 at the far eastern end (PWC-17 and PWC-054).

Reference: BWC-013

Evaluation: Borough Value

Grid Reference (to – from): SK5957 1273 to SK6631 1596

*Approximate Length (metres):*10,030m

General Description:

The River Wreake flowing from the Borough boundary in a south westerly direction, between the villages of Thrussington and Rearsby before it flows past Beedles Lake Golf Course. After this it flows under the A607 (just north of Syston) then under Fosse Way road, before going under the Midland Main Line railway and then the A46 (north of Leicester).The river then flows west and after passing between a series of lakes, enters the River Soar.

Reason for Evaluation:

The river provides an important riparian corridor through agricultural land and connects numerous other wildlife corridors and Local Wildlife Sites (the river itself is also a LWS).

SSSI / Local Wildlife Sites / Important Habitats Connected:

The River Wreake is a Local Wildlife Site (S.4.7) and the river passes LWS W6615/1, W6515/1, W6012/1 and flows into the River Soar (S.2.7). The River Wreake (and associated habitats) are described by Target Notes SK5912TN3, SK6012TN1, SK6012TN3, SK6112TN1, SK6112TN2, SK6112TN3, SK6213TN2, SK6213TN1, SK6314TN2, SK6314TN3 and SK6314TN1. The River Soar has been identified as a County value wildlife corridor (CWC-001). The River Wreake crosses numerous Parish identified corridors, namely PWC-015, PWC-059, PWC-066, PWC-094 and PWC-095.

Reference: BWC-014

Evaluation: Borough Value

Grid Reference (to – from): SK5833 1642 to SK5868 1535

*Approximate Length (metres):*1490m

General Description:

Stretch of the River Soar (not navigable) which links the main river corridor to the north (at Meadow Farm Marina) with the south (at Silby Road). The corridor runs through pasture fields.

Reason for Evaluation:

Forms a link between sections of the River Soar. Provides a riparian corridor through area of species-poor grassland. The stretch of river is Local Wildlife Site and a further LWS occurs adjacent.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The corridor is a Local Wildlife Site (S.2.7) and a LWS occurs adjacent (W5815/13). The stretch is described by Target Note SK5816TN2. The corridor connects the River Soar corridor (CWC-001) and is crossed by PWC-116.

Reference: BWC-015

Evaluation: Borough Value

Grid Reference (to – from): SK5863 1305 to SK5927 1332

*Approximate Length (metres):*900m

General Description:

Stretch of Rothley Brook from Rothley to the River Soar.

Reason for Evaluation:

Forms the final section of Rothley Brook which flows into the River Soar.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The brook is a Local Wildlife Site (S.2.8) and it passes W5813/3 and flows into the River Soar (S.2.7), a County identified wildlife corridor (CBC-001). Forms the final section of Rothley Brook (BWC-001).

Reference: BWC-016

Evaluation: Borough Value

Grid Reference (to – from): SK6090 1220 to SK6074 0992

*Approximate Length (metres):*2285m

General Description:

Section of the Grand Union Canal from Harris Boat Yard (off the River Wreake) southwards under the A46 then between lakes within Watermead Country Park before reconnecting with the River Soar just to the north of Leicester.

Reason for Evaluation:

Forms a connection from the River Wreake to the River Soar and passes (and therefore forms a link with) numerous large lakes.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Connects the River Wreake (S.4.7) and passes Local Wildlife Site W6010/1. The lakes that the canal passes by are described by SK6011TN3 and SK6010TN2, and the canal is described by SK6011TN4.

Reference: BWC-017

Evaluation: Borough Value

Grid Reference (to – from): SK6528 1203 to SK7031 0914

*Approximate Length (metres):*9725m

General Description:

Stretch of Queniborough Brook leading from the Borough boundary in a north westerly direction, through the village of Croxton before crossing through an area of agricultural land before passing through a Local Wildlife Site and reaching the village of Queniborough.

Reason for Evaluation:

Forms a long riparian corridor through primarily agricultural land. In addition it connects a number of Local Wildlife Sites.

SSSI / Local Wildlife Sites / Important Habitats Connected:

Crosses through Local Wildlife Site W6511/1 and W6909/1. Connects to PWC-093 (a continuation of Queniborough Brook) and crosses PWC-90 and runs close to PWC-091.

5.3 County Wildlife Corridor

Reference: CWC-001

Evaluation: County Value

Grid Reference (to – from): SK4985 2390 to SK5994 0871

*Approximate Length (metres):*28,500m

General Description:

The River Soar running from Leicester northwards past Watermead Country Park, past Mountsorrel and Barrow-upon-Soar, then northwards along the eastern side of Loughborough, before heading west along the northern edge of Loughborough following the Borough boundary. The river is crossed by numerous roads and passes under the Midland Main Line railway.

Reason for Evaluation:

The river represent a wide riparian corridor which meanders through predominately species-poor pasture fields linking isolated habitats of higher ecological value. The River Soar is a Local Wildlife Site and the corridor runs past numerous further LWS and three SSSIs.

SSSI / Local Wildlife Sites / Important Habitats Connected:

The entire length of the River Soar is a Local Wildlife Site (S.2.7). The corridor passes three SSSIs, namely Loughborough Meadows SSSI, Cotes Grassland SSSI and Barrow Gravel Pits SSSI. Local Wildlife Sites passed by the river include W5221/3, W5520/1, W5619/1, W5618/7, W5618/2, W5716/8, W5816/1, W5815/15, W5815/12, W5815/1, W5815/16, W5913/2, W6010/1 and W6010/2. The River Soar is also joined by the Rothley Brook (S.2.8) and River Wreake (S.4.7).

The river is also crossed or joined by the following Parish value identified wildlife corridors PWC-014, PWC-035, PWC-013, PWC-032, PWC-033, PWC-084, PWC-116, PWC-060 and PWC-097. The river is also crossed or connects to the following Borough value identified wildlife corridors BWC-005, BWC-004, BWC-014 and BWC-013.

6. POTENTIAL WILDLIFE SITES

6.1 Grassland Sites – Potential Local Wildlife Sites

During the surveys a number of sites were identified which were noted to be of high botanical diversity, or noted to support species characteristic of botanically diverse habitats. In the event all sites identified were grassland habitats, although all types of habitat were considered. It is recommended that full landowner access be obtained and these grasslands be revisited in the early summer and a detailed botanical survey carried out. The results of these surveys should then be assessed against the Leicestershire Local Wildlife Site criteria to see if the sites would qualify. The following is a summary of the potential Local Wildlife Sites identified during the surveys.

Reference	Habitat	Grid Reference	Brief Description
PLWS1	Semi-improved neutral grassland	SK 618 241	Road verges supporting Common Bird's Foot Trefoil and Pignut. Survey undertaken at sub-optimal time of year (March).
PLWS2	Semi-improved neutral grassland	SK 606 202	Semi-improved neutral grassland supporting Yellow rattle and Goat's beard. Recommended for further survey to assess eligibility for LWS.
PLWS3	Semi-improved neutral grassland	SK 667 126	Grassland supporting notable species including Lady's bedstraw, Common knapweed and Meadow vetchling.
PLWS4	Semi-improved neutral grassland	SK 601 175	Two long roadside verges supporting a wide variety of floral species which appear to have been sown.
PLWS5	Semi-improved neutral grassland	SK 646 116	A group of 3 semi-improved neutral grassland fields, together supporting a wide range of floral species.
PLWS6	Semi-improved neutral grassland	SK 600 139	Semi-neutral grassland with scattered scrub supporting floral species (including Black knapweed and Meadowsweet) and good butterfly populations.
PLWS7	Semi-improved neutral grassland	SK 585 090	Semi-improved neutral grassland supporting floral species including Common knapweed and Lady's bedstraw.
PLWS8	Semi-improved neutral grassland	SK 564 108	Grassland supporting floral species including Common knapweed, Common bird's foot trefoil and Great burnet.
PLWS9	Semi-improved neutral grassland	SK 556 116	Area of semi-improved neutral grassland containing floral species such as Common knapweed, Common bird's foot trefoil and Great burnet.
PLWS10	Semi-improved neutral grassland	SK 555 0085	An area of semi-improved neutral grassland containing species including Jointed rush and Meadow vetchling.
PLWS11	Semi-improved neutral grassland	SK 522 124	Three areas of semi-improved neutral grassland, together supporting a wide variety of floral species and some young planted broadleaved trees.
PLWS12	Semi-improved neutral grassland	SK 496 125	Together these three areas support a wide range of floral species including Yellow rattle and Common bird's foot trefoil.
PLWS13	Semi-improved neutral grassland	SK 520 148	Damp semi-improved neutral grassland and pond supporting a variety of floral species including Sneezewort and Yellow Rattle. Newt egg found on hoary willowherb in the pond included in the selection.
PLWS14	Semi-improved neutral grassland	SK 519 150	Strip of semi-improved neutral grassland supporting species including Common spotted orchid, Yellow rattle and Tufted vetch.
PLWS15	Semi-improved neutral grassland	SK 505 168	Damp grassland supporting Common bird's foot trefoil, Sweet vernal grass and Lesser Stitchwort.
PLWS16	Semi-improved neutral grassland	SK 482 208	Area of damp semi-improved neutral grassland meadow with many floral species. The tussocky habitat has been identified as potentially suitable reptile habitat. Voles were sighted during the survey.

Reference	Habitat	Grid Reference	Brief Description
PLWS17	Semi-improved neutral grassland	SK 552 186	Semi-improved neutral grassland and marshy grassland containing species such as Sweet Vernal-grass, Meadowsweet and False Fox Sedge.
PLWS18	Semi-improved neutral grassland	SK 600 213	An area of floral species diversity including Lady's Bedstraw and Bee Orchids.
PLWS19	Semi-improved neutral grassland	SK 629 083	Small corner of species rich semi-improved neutral grassland supporting species including Yellow rattle and Lady's bedstraw.
PLWS20	Semi-improved neutral grassland	SK 580 181	A species-rich area of semi-improved neutral grassland containing floral species such as Goat's Beard, Common bird's foot trefoil and Oxeye daisy.

7. AREA / LENGTHS OF HABITATS RECORDED

7.1 Calculation of Habitat Areas

The total areas of the habitats recorded are detailed in the table below. Calculations are provided for the surveys carried out by EMEC Ecology and the surveys by White Young Green, as well as the totals. Areas for urban (built up) areas and small habitat areas are not included.

Habitat Type	EMEC Ecology	WYG	Total
Arable	78,776,433m ² (7,877ha)	22,202,289m ² (2,220ha)	100,978,722m ² (10,097ha)
Improved Grassland	39,170,126m ² (3,917ha)	3,007,338m ² (300ha)	42,177,464m ² (4,217ha)
Amenity Grassland	5,116,319m ² (511ha)	866,150m ² (86ha)	5,982,469m ² (598ha)
Poor Semi-improved Grassland	30,352,345m ² (3,035ha)	1,879,091m ² (187ha)	32,231,436m ² (3,223ha)
Semi-improved Neutral Grassland	2,867,077m ² (286ha)	234,830m ² (23ha)*	3,101,907m ² (310ha)
Unimproved Neutral Grassland	1,147,829m ² (114ha)	None recorded	1,147,829m ² (114ha)
Unimproved Acid Grassland	772,884m ² (77ha)	None recorded	772,884m ² (77ha)
Marshy Grassland	417,665m ² (41ha)	None recorded	417,665m ² (41ha)
Plantation Broadleaved Woodland	5,311,926m ² (531ha)	830,839m ² (83ha)	6,142,765m ² (614ha)
Plantation Coniferous Woodland	1,050,551m ² (105ha)	22,014m ² (2ha)	1,072,565m ² (107ha)
Plantation Mixed Woodland	3,623,175m ² (362ha)	491,324m ² (49ha)	4,114,499m ² (411ha)
Semi-natural Broadleaved Woodland	7,894,608m ² (789ha)	1,611,665m ² (161ha)	9,506,273m ² (950ha)
Semi-natural Mixed Woodland	945,027m ² (94ha)	None recorded	945,027m ² (94ha)
Scattered Broadleaved Trees over Amenity Grassland	285,596m ² (28ha)	None recorded	285,596m ² (28ha)
Scattered Broadleaved Trees over Poor Semi-improved Grassland	527,403m ² (52ha)	None recorded	527,403m ² (52ha)
Scattered Broadleaved Trees over Semi-improved Neutral Grassland	22,264m ² (2ha)	None recorded	22,264m ² (2ha)
Scattered Broadleaved Trees over Acid Grassland	140,333m ² (14ha)	None recorded	140,333m ² (14ha)
Coniferous Recently Felled Woodland	69,258m ² (6ha)	None recorded	69,258m ² (6ha)
Dense/continuous Scrub	998,662m ² (99ha)	128,304m ² (12ha)	1,126,966m ² (112ha)
Continuous Bracken	2,217,846m ² (221ha)	None recorded	2,217,846m ² (221ha)
Scattered Broadleaved Trees over Bracken	348,236m ² (34ha)	None recorded	348,236m ² (34ha)
Tall Ruderal	1,677,470m ² (167ha)	154,775m ² (15ha)	1,832,245m ² (183ha)
Bare Ground	137,811m ² (13ha)	Not recorded	137,811m ² (13ha)
Standing Water	3,186,140m ² (318ha)	183,619m ² (18ha)	3,369,759m ² (336ha)
Tall Swamp	62,903m ² (6ha)	None recorded	62,903m ² (6ha)
Quarry	1,698,330m ² (169ha)	None recorded	1,698,330m ² (169ha)
Ephemeral/Short Perennial	93,838m ² (9ha)	None recorded	93,838m ² (9ha)
Acid/Neutral Exposure	31,345m ² (3ha)	None recorded	31,345m ² (3ha)

* Please note this includes both 'Semi-improved Neutral Grassland' and 'Semi-improved Neutral Grassland', 'Tall Ruderal Mosaic' habitat types (Semi-improved Neutral Grassland 91,523m², Semi-improved Neutral Grassland, Tall Ruderal Mosaic 143,307m²).

7.2 Calculation of Hedgerow Lengths

The total lengths of hedgerows recorded (by EMEC Ecology and during the surveys by White Young Green) are provided below.

Hedgerow Type	EMEC Ecology	WYG	Total
Species-poor Intact Hedgerow	863,053m (863km)	192,717m (192km)	1,055,770m (1,055km)
Species-poor Intact Hedgerow with Trees	390,836m (390km)	12,459m (12km)	403,295m (403km)
Species-poor Defunct Hedgerow	109,604m (109km)	5,723m (5km)	115,327m (115km)
Species-poor Defunct Hedgerow with Trees	28,394m (28km)	None recorded	28,394m (28km)
Species-rich Intact Hedgerow	11,316m (11km)	13,599m (13km)#	24,915m (24km)
Species-rich Intact Hedgerow with Trees	24,607m (24km)	None recorded	24,607m (24km)
Species-rich Defunct Hedgerow	0m	177m	177m

Please note, WYG did not 'record' any 'Species-rich Hedgerows with Trees', therefore it is assumed that such features were included within 'Species-rich Intact Hedgerow'.

TITLE: Charnwood Borough Wide Phase-1 Habitat Survey – Excluding Badger Data

SUBMITTED TO: Charnwood Borough Council

ISSUE AND REVISION RECORD:

Contract Number: SR/12/2547/02

Revision Number: 1

Description: Final Report

Date: 6th November 2012

