

Local Wildlife Sites Review

East Lindsey Surveys 2008-2009

**Report for East Lindsey District
Council.**

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Executive Summary

- An ecological survey of 199 sites in East Lindsey has been carried out in 2008 and 2009, and the results used to identify those that potentially qualify for designation as Local Wildlife Sites.
- An additional 17 sites were not surveyed due to access permission being refused or sites being otherwise inaccessible.
- Some 99 sites (49.7% of the total) were evaluated as meeting one or more of the Local Wildlife Site selection criteria. Of these 49 qualified under woodland criteria (WD1/1b, WD2, WD3, WD4, WD5), 21 under neutral grassland (NG1), four under calcareous grassland (CG1), two under heathland/ acid grassland (HE2), two under flowing water (Flo1), seven under standing water (Sta2), two under swamp, marsh and fen (Sw2), two under coastal and estuarine habitats (Co3) and ten under habitat mosaics (Mos1, Mos2, Mos4).
- It is recommended that these 99 sites be given consideration by the Local Wildlife Sites Panel for designation as Local Wildlife Sites and subsequent incorporation into the Local Development Framework for East Lindsey.

1. Introduction

The Ecology Consultancy was commissioned by East Lindsey District Council to carry out a review of a number of existing and candidate Sites of Nature Conservation Importance (SNCIs) during 2008 and 2009. A total of 216 sites were scheduled for survey.

The purpose of the review was to inform the emerging Local Development Framework by assessing the sites against the recently produced guidelines for the selection of Local Wildlife Sites (LWS) in Lincolnshire (Lincolnshire Biodiversity Partnership 2006, 2008). These have been prepared by the Biodiversity Partnership in response to guidance produced by DEFRA on Local Sites – Guidance on their Identification, Selection and Management (DEFRA 2006, 2008). The aim of this guidance and the selection criteria for Lincolnshire is to make the selection of Local Wildlife Sites more consistent and robust by basing it on up-to-date survey information and defined criteria.

This report provides an overview of the sites surveyed, the habitats and noteworthy species recorded and the evaluation of sites as those that do and do not currently qualify as potential Local Wildlife Sites. The full survey information, including a record card, species list and summary sheet for each site, is available separately.

2. The Project Brief

The study originally called for a review of some 224 existing and candidate wildlife sites in East Lindsey. Eight of these were later removed from the list as up to date information was already available for these sites. This gave a total of 216 sites to be surveyed during 2008-2009 (Appendix 1).

The process of designating sites as Local Wildlife Sites in Lincolnshire is intended to be a four stage process. Of these, the first three stages are within the scope of this project. The first stage required direct field surveys of each site to describe the habitats present and to generate an inventory of vascular plant species present along with incidental records of other plants, fungi and animals. Second, each site was then evaluated against the criteria for the selection of Local Wildlife Sites and sites that satisfy one or more criteria were identified. Third, for each site a portfolio of documentation was prepared for submission to the Wildlife Sites Review Group, including a site record sheet with an account of the habitats and other noteworthy features, a species list, and an overall summary. A GIS layer showing the boundaries of all sites surveyed and any suggested boundary modifications was also produced as part of this work package.

All of the information gathered is to be submitted to the Local Wildlife Sites Panel of the Lincolnshire Biodiversity Partnership and to East Lindsey District Council. The Local Wildlife Sites Panel will use this information to assess each site against the selection criteria for Local Wildlife Sites and will then make a recommendation as to whether or not they should be designated as a non-statutory Local Wildlife Site (LWS). Landowners/managers will be informed of the Local Wildlife Sites Panel's recommendation and, should the site be recommended for designation as a LWS, given the opportunity to make observations on the application of the selection criteria by the Lincolnshire Biodiversity Partnership Steering Group.

A copy of all of the survey information gathered will be lodged with the Lincolnshire Environmental Records Centre (LERC), for incorporation into their database. In addition, each landowner/manager will receive a copy of the survey information pertaining to their land.

The field surveys were undertaken following standard Phase 1 habitat survey methodology (JNCC 1993) and the protocols outlined in the guidelines for the selection of Local Wildlife Sites (Lincolnshire Biodiversity Partnership 2006, 2008). A structured walk was carried out through each site, with the habitats and other features being recorded on a standard LERC recording card. A list of vascular plant species identifiable at the time of the survey was also compiled, using the Botanical Society of the British Isles (BSBI) recording card for North Lincolnshire. Incidental records of bryophytes (mosses and liverworts), fungi, invertebrates, fish, amphibians, reptiles, birds and mammals were made where appropriate; however, detailed surveys of these groups were beyond the scope the project. It should be noted that for some habitats the selection criteria include the quality of the assemblages of fish or invertebrates, as determined by their community conservation score. This restriction is of particular relevance to the freshwater and swamp, marsh and fen habitats, and may result in some sites that are of lower value for vascular plants but of potential significance for fish and invertebrates being undervalued by the current process. The status of these sites may be reviewed as further information is gathered and made available to the Wildlife Sites Panel from other sources, e.g. the Environment Agency.

3. Results

SITE SURVEYS

Of the 216 sites scheduled for survey over the two year period 175 were surveyed in full and a further 24 were surveyed from adjacent land. It was not possible to survey the remaining 17 sites due to lack of access. Thus a total of 199 sites were surveyed during 2008-2009.

HABITATS

The 199 sites surveyed fell into nine broad categories as shown below. Several of these categories include more than one habitat type; for example a number of the rivers support wetland and grassland habitats. The categories chosen are intended to give an indication of both habitat type and site usage (see Figure 1, Table 1).

Figure 1: Frequency of main habitat categories recorded

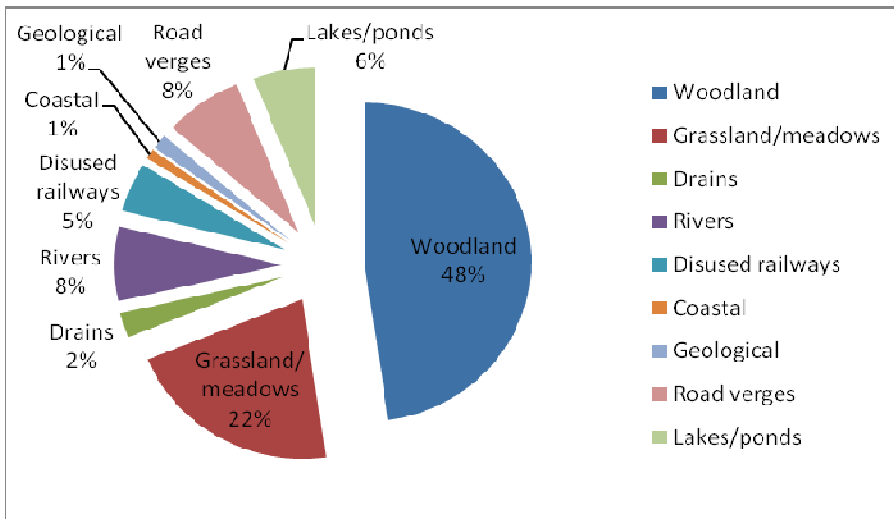


Table 1: Numbers of habitat types

Habitat type	Number of sites
Woodland	195
Grassland/meadows	42
Drains	5
Rivers	15
Disused railways	10
Coastal	2
Geological	3
Road verges	15
Lakes/ponds	12

NOTEWORTHY SPECIES

A number of noteworthy species were recorded during the survey and these are listed in Table 2 below. Of these, the most significant are the records of: the local sub-species of yellow archangel *Lamiastrum galeobdolon* ssp. *galeobdolon*, greater butterfly orchid *Platanthera chlorantha* and shepherd's pennycress *Teesdalia nudicaulis*, all of which are listed as Vulnerable in the latest vascular plant red data list for Great Britain (Cheffings & Farrell 2005); and heath cudweed *Gnaphalium sylvaticum* and fine-leaved sandwort *Minuartia hybrida*, which are listed as endangered; all the other noteworthy species are listed as being of Least Concern.

Table 2: Noteworthy plant species

Common name	Scientific name	Site	Grid reference
Hard-fern	<i>Blechnum spicant</i>	Ostler's Plantation North	TF 211 634
	<i>Blechnum spicant</i>	Kirkby Moor	TF 218 635
	<i>Blechnum spicant</i>	Ostler's Plantation South	TF 219 621
Flowering-rush	<i>Butomus umbellatus</i>	Gloucester House Ponds	TF 318 988
Nettle-leaved Bellflower	<i>Campanula trachelium</i>	Ash Holt	TF 230 640
Star Sedge	<i>Carex echinata</i>	Bracken Mound Field	TF 202 842
Greater Tussock-sedge	<i>Carex paniculata</i>	West Ashby Park	TF 249 721
Opposite-leaved Golden-saxifrage	<i>Chrysosplenium oppositifolium</i>	Benniworth Haven	TF 228 823
Broad-leaved Helleborine	<i>Epipactis helleborine</i>	Muckton Wood	TF 384 810
Bell Heather	<i>Erica cinerea</i>	Bainland Caravan Park	TF 213 637
Cross-leaved Heath	<i>Erica tetralix</i>	Bainland Caravan Park	TF 213 637
	<i>Erica tetralix</i>	Ostler's Plantation South	TF 221 619
Hybrid Bedstraw	<i>Galium x pomeranicum</i>	Binbrook Grasslands	TF206931
Heath Cudweed	<i>Gnaphalium sylvaticum</i>	Ostler's Plantation South	TF 212 623
Hybrid Rush	<i>Juncus x diffusus</i>	Stickney Picnic Site	TF 347 576
Sharp-flowered Rush	<i>Juncus acutiflorus</i>	Woodhall Spa Wetland	TF194646
Frog Rush	<i>Juncus ambiguus</i>	Holme Ditch	TF 284 650
	<i>Juncus ambiguus</i>	Highall Wood	TF 215 651
Yellow archangel	<i>Lamiastrum galeobdolon</i> ssp. <i>galeobdolon</i>	Holme Wood	TF 290 656
Sickle Medick	<i>Medicago sativa</i> ssp. <i>falcata</i>	Wood Enderby road verge	TF 278 638
Peppermint	<i>Mentha x piperata</i>	Scrivelsby Beck	TF 268 664
Round-leaved Mint	<i>Mentha suaveolens</i>	Mother & Greenfield Wood	TF 433 785
Fine-leaved Sandwort	<i>Minuartia hybrida</i>	Bainland Caravan Park	TF 212 635
Lemon Scented Fern	<i>Oreopteris limbosperma</i>	Bracken Wood	TF 200 643

Common name	Scientific name	Site	Grid reference
Herb-Paris	<i>Paris quadrifolia</i>	Jail Holt	TF 476 701
	<i>Paris quadrifolia</i>	Thornton Wood	TF 227 663
Burnet-saxifrage	<i>Pimpinella saxifraga</i>	Binbrook Grasslands	TF206931
Greater Butterfly-orchid	<i>Platanthera chlorantha</i>	Moors Wood	TF 416 775
Hybrid Dock	<i>Rumex x pratensis</i>	Stonehills Plantation	TF 175 785
Greater Chickweed	<i>Stellaria neglecta</i>	Bracken Wood	TF 200 644
Shepherd's Cress	<i>Teesdalia nudicaulis</i>	Bainland Caravan Park	TF 212 635
Strawberry Clover	<i>Trifolium fragiferum</i>	Swinn Wood roadside verge	TF 419 776
Fungus	<i>Geastrum fimbriatum</i>	The Wilderness	TF232658

CONSTRAINTS

Timings

In most cases, the survey was confined to a single visit. The plant lists should therefore not be treated as comprehensive, but rather as a representative list of species evident at the time of survey. Timing of the survey will be a particular constraint for habitats with species that flower early in the season and then disappear (e.g. some woodland ground flora species).

Obtaining access permission for some sites proved to be a lengthy process and as a result some sites could not be surveyed until October. This is outside the normal survey season and this should be borne in mind when assessing the results for these sites.

Surveys of some of the grassland sites were constrained by hay cuts having recently taken place or the sward being closely grazed.

Surveys of the active railway sites were constrained by Network Rail requirements and limited access.

Access

Of the total of 216 sites scheduled for survey, 17 could not be assessed. These included 15 sites (7%) owned by nine landowners who refused to give permission for surveyors to access the sites and a further two sites (John Holden charity meadows 811 & 808) where it was not possible to contact the landowner or to view the sites from public land (Table 3). It is therefore recommended that consideration of these sites is deferred until such a time as the landowner's permission can be obtained and a full survey can be carried out. There were a further 24 sites for which it was not possible to contact landowners for several reasons. In these cases it was possible to

assess the sites from adjacent land and as such recommendations for these sites have been given.

Table 3: Sites for which access permission was refused

TF Ref	Site Name	Grid Ref	Parish
TF 16	Long Wood	TF177640	Stixwold
TF 17	Warren Hill Quarry (Warren Hill)	TF185794	Panton
TF18	Panton Woods	TF178810	Panton
TF18	Benniworth Road Plantation (North)	TF189807	Panton
TF25	St Helen's Wood	TF255596	Tumby
TF25	Middle Holt, Tumby Woodside	TF264582	Tumby
TF25	Far Holt, Tumby Woodside	TF268579	Tumby
TF26	Roses Holt, Tumby Woodside	TF249600	Tumby
TF26	Halham Wood	TF260630	Halham
TF26	The Sanctuary (Big Triangle)	TF260635	Halham
TF26	High Toynton Pit	TF278689	High Toynton
TF26	Mareham Plantation	TF287688	Mareham on the Hill
TF27	Hemingby Meadow	TF236742	Hemingby
TF29	Binbrook Pit	TF238925	Binbrook
TF29	Autby Wood Beesby	TF275964	North Thoresby
TF56	John Holden Charity Meadow 811	TF530637	Burgh le Marsh
TF56	John Holden Charity Meadow 808	TF531637	Burgh le Marsh

Of the 24 remaining sites for which landowners could not be contacted, 17 were rivers and railways which are thought to belong to a large number of landowners. As such it was not practical to locate, contact and obtain permission from each of these owners individually, rather it was considered that carrying out the surveys from public footpaths, roads and bridges would provide sufficient detail to enable an evaluation of the wildlife value of the site. There were a further nine woodland and grassland sites for which land owner details could not be obtained or where the likely landowner details were known but no responses were given to our letters and phone calls, again these sites were assessed from public access points. These sites are listed in Tables 4 and 5 below.

Table 4: River and railway sites without landowner details

TF Ref	Site Name	Grid Ref	Parish
TF27	River Bain – Ranby Bottoms	TF236772	Great Sturton
TF27	River Bain – Goulceby Upstream	TF248790	Goulceby
TF27	River Waring (W Ashby to Belchford)	TF273727	West Ashby
TF28	Kelstern Beck – Upstream of Grimblethorpe Hall	TF239865	South Willingham

TF Ref	Site Name	Grid Ref	Parish
TF28	Welton Beck : Little Welton	TF273856 - 302871	Welton le Wold
TF28	Welton le Wold Tributary (Welton Vale)	TF289872	Welton le Wold
TF37	River Lymn, Ashby Puerorum Tributary	TF325711	Somersby
TF37	Ketsby Beck, Rutland	TF331779	Maidenwell
TF37	Ketsby Beck	TF370767 - 388761	Calceby
TF38	Disused Railway North of Swinn Wood	TF314888	Legbourne
TF38	Louth – Grimsby Disused Railway	TF332881	Louth
TF38	Louth to Bardney Disused Railway	TF333879	Louth
TF38	Hud Holes – Legbourne Wood	TF374833	Muckton
TF46	Firsby Disused Railway Line (Firsby Railway Banks)	TF462645	Firsby
TF47	Ailby Disused Railway	TF436766	Rigsby with Ailby
TF47	Old Railway Track Well Vale to Alford	TF448754	Alford
TF47	Burlands Beck	TF451715	Claxby

Table 5. Woodland and grassland sites without landowner contact

TF Ref	Site Name	Grid Ref	Parish
TF16	Halstead and Stobourn Woods	TF195660	Stixwould
TF25	The Ings, Coningsby	TF217574	Coningsby
TF26	Harbour Wood	TF202612	Woodhall Spa
TF35	Yellow Rattle Meadow	TF340583	Stickney
TF46	Thorpe Culvert Brick Pits	TF472607	Thorpe St. Peter
TF46	Bratoft Fields	TF478650	Bratoft
TF47	Fordington Pumping Station	TF416715	Ulceby

4. Site Evaluation

Of the 199 sites surveyed, a total of 99 (49.7%) were evaluated as satisfying the requirements for Local Wildlife Sites on one or more criteria, including main and additional habitats. These sites are therefore recommended for designation as Local Wildlife Sites; see Appendix 2 for a full list of these.

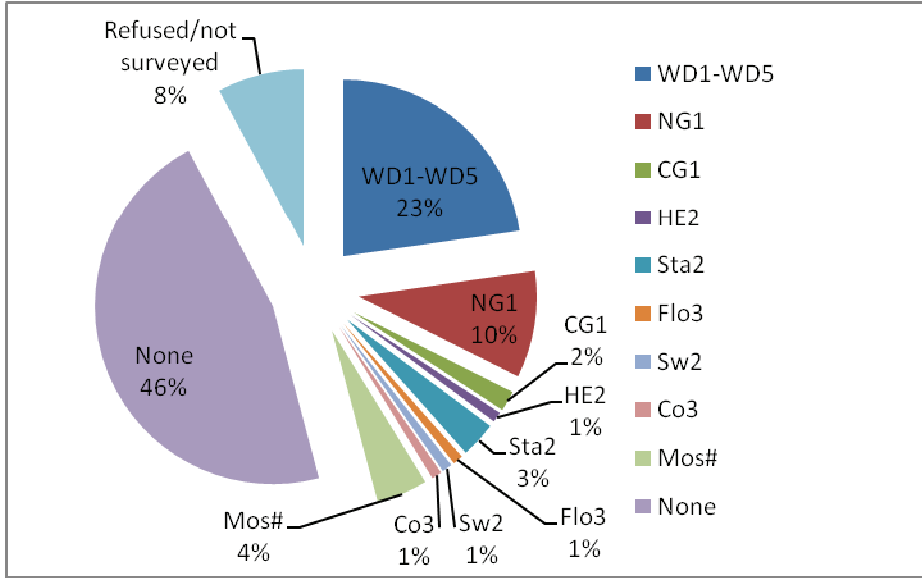
A list of all of the sites, indicating the criteria under which they qualify and giving the indicator species totals for each, appears in the separate documents; Summary Table 2008.xls and Summary Table 2009.xls.

By main qualifying habitat, these are assigned as follows (Table 6):

Table 6: Breakdown of main criteria met

Criteria	Number of Sites	Percentage of sites
WD1/1b	25	11.57
WD2	9	4.17
WD3	13	6.02
WD4	1	0.46
WD5	1	0.46
NG1	21	9.72
CG1	4	1.85
HE2	2	0.93
Sta2	7	3.24
Flo3	2	0.93
Sw2	2	0.93
Co3	2	0.93
Mos1	7	3.24
Mos2	2	0.93
Mos4	1	0.46
None	100	46.3
Refused	15	6.94
Not surveyed	2	0.93

Figure 2: Frequency of qualifying criteria



A total of 100 (50.3%) sites did not meet any of the Local Wildlife Sites criteria on the basis of the results of the current survey (Appendix 3).

Of the 100 sites that failed to qualify, 17 may qualify if additional surveys were carried out at a more appropriate time of year. These sites are listed in Table 8.

Table 8: Sites which merit additional survey

Grid square	Site name
TF 17	Wispington Meadow (Foxhall Farm Meadow No. 2)
TF 17	Baumber Protected Roadside Verge
TF 17	Fox Covert Plantation
TF 17	Honey Holt
TF18	Priestmore Plantation
TF26	Roughton Wood
TF26	Scrivelsby Spinney Wood
TF26	Scrivelsby Park (Rough & Northfield Plantation)
TF27	Ing's Farm Escarpment
TF35	Picnic Site, Stickney
TF36	Emmitt Holt
TF37	Melbourne Hill Carrs (now Littlehays Carr)
TF38	Castle Wood
TF39	Red Leas Lane
TF47	Willoughby Churchyard
TF47	Swinn Wood Protected roadside verges
TF48	Wood SE of Woodthorpe (Oak Plantation)

5. References

Cheffings, C.M. & Farrell, L. (eds) (2005) *The Vascular Plant Red Data List for Great Britain*. Joint Nature Conservation Committee, Peterborough.

DEFRA (2006) *Local Sites. Guidance on their Identification, Selection and Management*. DEFRA, London.

DEFRA (2008) *DEFRA Guidance on the Improved Local Biodiversity Indicator (NI 197) - Proportion of Local Sites where positive conservation management has been or is being implemented. Revised guidance note – December 2008*. DEFRA, London.

Lincolnshire Biodiversity Partnership (2006) *Local Wildlife Sites: Guidelines for the Identification & Selection in the Historic County of Lincolnshire*. Lincolnshire Biodiversity Partnership, Horncastle. <http://www.lincsbap.org/publications/index.php>

Lincolnshire Biodiversity Partnership (2008) *Local Wildlife Sites: Guidelines for the Identification & Selection in the Historic County of Lincolnshire. Proposed Amendments*. Lincolnshire Biodiversity Partnership, Horncastle.

Joint Nature Conservation Committee (1993) *Handbook for Phase 1 Habitat Survey: A Technique for Environmental Audit*. Joint Nature Conservation Committee, Peterborough.

Appendix 1: List of sites

Full site list

TF Ref	Site Name	Grid Ref	Parish
TF 17	Hoop Lane Verges Langton	TF151759	Langton by Wragby
TF 16	Petwood Hotel Grounds	TF192636	Woodhall Spa
TF 16	Woodhall Spa Wetland	TF194646	Woodhall Spa
TF 16	Woodhall Spa Meadow	TF198635	Woodhall Spa
TF 16	Furze Hill Protected Roadside Verge	TF192672	Horsington
TF 16	Long Wood (and Little Wood)	TF177640	Stixwold
TF 16	Top and Bottom Plantation (West of Waterloo Wood)	TF190653	Stixwold
TF 16	Woodhall Spa Pinewoods	TF193634	Woodhall Spa
TF 16	Halstead and Stobourn Woods	TF195660	Stixwold
TF 16	Coal Pit Wood	TF197637	Woodhall Spa
TF 17	Warren Hill Quarry (Warren Hill)	TF185794	Panton
TF 17	Wispington Farm Verge (Foxhall Farm track verge)	TF196706	Wispington
TF 17	Wispington Meadow (Foxhall Farm Meadow No. 2)	TF196712	Wispington
TF 17	Sotby Wood (Gospel Hill)	TF185794	Hatton
TF 17	Baumber Protected Roadside Verge	TF193753	Baumber
TF 17	Twenty Acre Plantation	TF196704	Wispington
TF 17	Hungram Gorse	TF198747	Baumber
TF 17	Stonehills Plantation	TF175785	Panton
TF 17	Fox Covert Plantation	TF180786	Panton
TF 17	Honey Holt	TF193711	Wispington
TF18	Beck House Bridge Field	TF172824	East Barkwith
TF18	The Pond Field	TF197834	South Willingham
TF18	Hainton Grassland	TF183850	Hainton
TF18	Fishpond Wood	TF145809	West Torrington
TF18	Hainton Duck Pond and Plantation	TF188857	Hainton
TF18	Panton Woods (Panton Park Woods)	TF178810	Panton
TF18	Lodge Corner	TF182845	Hainton
TF18	Collingwoods Hill Plantation	TF184860	Hainton
TF18	Benniworth Road Plantation (North)	TF189807	Panton
TF18	Carman Gorse	TF189820	Benniworth
TF18	Priestmore Plantation	TF190804	Panton
TF18	Horse Pasture Plantation	TF198855	Hainton
TF25	The Ings	TF217574	Coningsby
TF25	Coningsby Marsh	TF229587	Coningsby
TF25	Old River Bain at Coningsby Lock	TF229588	Coningsby
TF25	Mill Drain Tattershall	TF209555	Tattershall
TF25	Castle Leisure Park, Tattershall	TF205570	Tattershall
TF25	St Helen's Wood	TF255596	Tumby
TF25	Little Birk Wood	TF267589	Mareham le Fen

TF Ref	Site Name	Grid Ref	Parish
TF25	Far Holt, Tumby Woodside	TF268579	Tumby
TF25	Middle Holt, Tumby Woodside	TF264582	Tumby
TF26	Highall Wood, Sandy Lane	TF215650	Woodhall
TF26	Tower on the Moor (Thornton Moor)	TF215643	Woodhall
TF26	Toft Hill, Tumby (Rose Cottage Meadow)	TF247624	Tumby
TF26	Holme Ditch	TF294656	Scrivelsby
TF26	Revesby West Lane	TF295600	Revesby
TF26	Roughton Moor	TF218640	Roughton
TF26	Kirkby on Bain Pits	TF232603	Tattershall Thorpe
TF26	Scrivelsby – Hammeringham Beck	TF268669	Scrivelsby
TF26	Wellsyke Lane Protected Roadside Verge	TF225629	Kirkby on Bain
TF26	Road Verge, Wilksby Church	TF278638	Wood Enderby
TF26	Bogs Nook North	TF209649	Woodhall Spa
TF26	Bracken Wood	TF200643	Woodhall Spa
TF26	Harbour Wood	TF202612	Woodhall Spa
TF26	Hogg Wood	TF205618	Kirkstead
TF26	Edlington Scrubs	TF205690	Horsington
TF26	Lower Darwood	TF208665	Woodhall
TF26	Ostler's Plantation	TF221622	Kirkby on Bain
TF26	The Wilderness, Woodhall Spa	TF232658	Roughton
TF26	Kirkby Reading	TF235627	Kirkby on Bain
TF26	Roughton Wood	TF243651	Roughton
TF26	Roses Holt, Tumby Woodside	TF249600	Tumby
TF26	The Sanctuary (Big Triangle)	TF260635	Halham
TF26	Scrivelsby Church Plantation	TF264658	Scrivelsby
TF26	Scrivelsby Spinney Wood	TF265668	Scrivelsby
TF26	Scrivelsby Roadside Plantation (Dicksons)	TF268669	Scrivelsby
TF26	Scrivelsby South West Park (Apple & Sands Plantation)	TF275655	Scrivelsby
TF26	Scrivelsby Park (Rough & Northfield Plantation)	TF275670	Scrivelsby
TF26	High Toynton Pit	TF278689	High Toynton
TF26	Scrivelsby Barn Plantation	TF281654	Scrivelsby
TF26	Scrivelsby Guide Post Plantation	TF281657	Scrivelsby
TF26	Mareham Plantation	TF287688	Mareham on the Hill
TF26	Shire Wood	TF290620	Revesby
TF26	Revesby : Wilksby Plantation	TF296629	Revesby
TF26	Grantham's Cottage, Revesby (Grantham's Plantation)	TF298632	Revesby
TF26	Revesby : Long Strip at Roadside	TF299618	Revesby
TF26	Upper Darwood (High Dar Wood)	TF210670	Woodhall
TF26	Ostler's Plantation North	TF212637	Kirkby on Bain
TF26	Birch Wood	TF216635	Kirkby on Bain
TF26	Kirkby Moor Plantation	TF219634	Kirkby on Bain

TF Ref	Site Name	Grid Ref	Parish
TF26	Highall Wood	TF220665	Woodhall Spa
TF26	Thornton Wood	TF228665	Thornton
TF26	Wellsyke Wood	TF230640	Kirkby on Bain
TF26	Ash Holt	TF230640	Martin
TF26	Halham Wood	TF260630	Halham
TF26	Holme Wood	TF294656	Scrivelsby
TF27	Hemingby Roman Road	TF215777	Hemingby
TF27	Ing's Farm Escarpment	TF299772	Belchford
TF27	Chapel Cottage Meadow, Sotby	TF204784	Sotby
TF27	Lowthorpe Meadow	TF215773	Great Sturton
TF27	Hemingby Meadow	TF236742	Hemingby
TF27	West Ashby Gravel Pits	TF250723	West Ashby
TF27	River Bain – Ranby Bottoms	TF236772	Great Sturton
TF27	River Bain – Goulceby Upstream	TF248790	Goulceby
TF27	River Waring (W Ashby to Belchford)	TF273727	West Ashby
TF27	Stourton, the Clays, (West Section)	TF205750	Baumber
TF27	Stourton Park	TF211752	Baumber
TF27	Baumber, The Belt	TF214746	Baumber
TF27	Stourton Big Wood	TF217753	Baumber
TF27	Edlington Park : Park Plantation	TF236712	Edlington
TF28	Stenigot Road Cutting	TF248813	Stenigot
TF28	Bracken Mound Field	TF202842	South Willingham
TF28	Biscathorpe Park and Fish Pond	TF232842	Donington on Bain
TF28	Biscathorpe Quarry	TF229854	Gayton le Wold
TF28	Kelstern Beck – Upstream of Grimblethorpe Hall	TF239865	South Willingham
TF28	Welton Beck : Little Welton	TF273856 - 302871	Welton le Wold
TF28	Welton le Wold Tributary (Welton Vale)	TF289872	Welton le Wold
TF28	South Willingham Woods	TF200840	South Willingham
TF28	Gravel Pits Plantation	TF201841	South Willingham
TF28	Benniworth Haven	TF225825	Benniworth
TF29	Binbrook Grasslands	TF206931	Binbrook
TF29	Binbrook Pit	TF238925	Binbrook
TF29	Ludborough Newt Pond	TF281953	Ludborough
TF29	Thorpe le Vale	TF200912	Ludford
TF29	Autby Wood Beesby	TF275964	North Thoresby
TF35	Yellow Rattle Meadow	TF340583	Stickney
TF35	Stickney Meadow and Railway Cutting	TF342577	Stickney
TF35	Stickney Fields Complex	TF347574	Stickney
TF35	Picnic Site, Stickney	TF347577	Stickney
TF36	Riverdale Meadow, Hagworthingham	TF353692	Hagworthingham
TF36	Grassland, Southfield Farm (Manor farm)	TF362667	Mavis Enderby

TF Ref	Site Name	Grid Ref	Parish
TF36	Vale Farm Meadow (Vale Meadow Carr)	TF397671	Spilsby
TF36	Toynton Fenside	TF398622	Toynton St Peter
TF36	Pawson's Meadow	TF395637	Toynton All Saints
TF36	East Keal Clay Pit	TF375645	East Keal
TF36	Upper Hobhole Drain	TF391610	Toynton All Saints
TF36	Charlie Ward's Field/Spinney	TF380663	Hundleby
TF36	Emmitt Holt	TF385667	Hundleby
TF37	Cliff Carr	TF317707	Greetham
TF37	Oxcombe Grassland	TF318778	Maidenwell
TF37	Salmonby – Somersby Roadside	TF335729	Somersby
TF37	Swaby Meadow	TF389775	Swaby
TF37	South Thoresby Sand Pit (Swaby Refuse Dump)	TF392762	Swaby
TF37	River Lymn, Ashby Puerorum Tributary	TF325711	Somersby
TF37	Ketsby Beck, Rutland	TF331779	Maidenwell
TF37	Ketsby Beck	TF370767 - 388761	Calceby
TF37	Calceby Bottom Protected Roadside Verge	TF385757 - 390756	Calceby
TF37	Melbourne Hill Carrs (now Littlehays Carr)	TF326718?	Hagworthingham
TF37	Knowles Carr	TF331716	Somersby
TF37	Brook Farm	TF365797	Burwell
TF37	Burwell Hollow	TF368799	Burwell
TF37	Catchacre Wood	TF377796	Swaby
TF38	Legbourne Marsh	TF363844	Legbourne
TF38	Louth – Grimsby Disused Railway	TF332881	Louth
TF38	Louth to Bardney Disused Railway	TF333879	Louth
TF38	Stewton Old Railway	TF363868	Stewton
TF38	Disused Railway North of Swinn Wood	TF314888	Legbourne
TF38	Muckton Beck	TF374815	Muckton
TF38	Long Eau - (Long Eau, East and West)	TF375835	North Reston
TF38	Hubbards Hills	TF315865	Louth
TF38	Legbourne Wood	TF369833	Legbourne
TF38	Hud Holes – Legbourne Wood	TF374833	Muckton
TF38	Legbourne Grange (Furze Lane Woods)	TF374859	Legbourne
TF38	Muckton Wood (E)	TF384810	Muckton
TF38	The Holt (near Hud Holes)	TF385815	Muckton
TF38	Authorpe Scrub	TF388805	Authorpe
TF38	Hall Wood	TF392800	Belleau
TF38	Castle Wood	TF394835	South Reston
TF38	Carlton Wood	TF396839	Little Carlton
TF39	Newbridge Lane Meadow	TF348944	Covenham St Mary
TF39	Newbridge Lane	TF350946	Covenham St Mary
TF39	Grainthorpe Grassland (1)	TF362963	Grainthorpe

TF Ref	Site Name	Grid Ref	Parish
TF39	Ings Lane, Wragholme	TF365973	Grainthorpe
TF39	Conisholme Meadow	TF381939	Conisholme
TF39	Red Leas Lane	TF385903	North Cockerington
TF39	Eastfield Lodge, North Thoresby (Gloucester house ponds)	TF318988	North Thoresby
TF39	Brackenborough Protected Roadside Verge	TF339917	Brackenborough
TF39	Brackenborough Wood	TF340909	Brackenborough
TF46	East Fen Catchwater (Fen Bridge Drain)	TF427630	Halton Hologate
TF46	Green Lane Pit and Hedge Row (Green lane West)	TF460655	Great Steeping
TF46	Thorpe Culvert Brick Pits	TF472607	Thorpe St. Peter
TF46	Gunby Meadow	TF473672	Orby
TF46	Bratoft Fields	TF478650	Bratoft
TF46	Firsby Disused Railway Line (Firsby Railway Banks)	TF462645	Firsby
TF46	Disused Railway Track, Gunby	TF466652	Gunby
TF46	Moor Close Holt (Feather Bed Farm Pasture)	TF449682	Scremby
TF47	Aby Fishing Lake	TF411781	Aby with Greenfield
TF47	Roughton Farm Track	TF472709	Willoughby
TF47	Bilsby/Markby Roadside Verge	TF485784	Markby
TF47	Willoughby Marsh	TF465723	Willoughby
TF47	Ailby Disused Railway	TF436766	Rigsby with Ailby
TF47	Old Railway Track Well Vale to Alford	TF448754	Alford
TF47	River Great Eau	TF405785	Aby with Greenfield
TF47	Burlands Beck	TF451715	Claxby
TF47	South Thoresby Protected roadside verges	TF401768	South Thoresby
TF47	Swinn Wood Protected roadside verges	TF420776	Aby with Greenfield
TF47	Farlesthorne Pit	TF479739	Farlesthorne
TF47	Fordington Pumping Station (pump plantation)	TF416715	Ulceby
TF47	Moors Wood, Aby	TF416775	South Thoresby
TF47	Swinn Wood	TF421780	Aby with Greenfield
TF47	Grange Plantation, Aby	TF423798	Aby with Greenfield
TF47	Mother and Greenfield Woods	TF433785	Aby with Greenfield
TF47	The Browse	TF435798	Strubby
TF47	Holywell Holt	TF451749	Alford
TF47	Old Brickyard Plantation	TF459737	Well
TF47	Plains Holt	TF469729	Willoughby
TF47	Willoughby Churchyard	TF473719	Willoughby
TF47	Gillwell Plantation	TF474707	Willoughby
TF47	Jail Holt	TF477701	Welton le Marsh
TF48	Willow Farm Fishing Lake	TF470830	Maltby le Marsh
TF48	Wong Plantation	TF404858	Great Carlton

TF Ref	Site Name	Grid Ref	Parish
TF48	Withern Wood	TF428809	Withern with Stain
TF48	Tothill Wood	TF412810	Tothill
TF48	Hopper's Holt	TF434801	Strubby
TF48	Wood SE of Woodthorpe (Oak Plantation)	TF437800	Strubby
TF49	Marsh Lane	TF404905	South Somercotes
TF49	Millfield Road	TF424948	South Somercotes
TF49	Warren Road Dunes – Saltfleet	TF446947	Skidbrooke
TF49	North Somercotes Warren	TF430965	North Somercotes
TF56	John Holden Charity Meadow 808	TF531637	Burgh le Marsh
TF56	John Holden Charity Meadow 811	TF530637	Burgh le Marsh
TF56	Skegness Railway Sidings	TF557627	Skegness
TF57	Huttoft Submerged Forest	TF542786	Huttoft
TF57	Sloothby Meadows	TF502713	Willoughby
TF57	Sloothby Two Acre Meadow	TF503712	Willoughby
TF57	Sloothby Low Lane (Drain at Sloothby)	TF511708	Willoughby

Appendix 2: Qualifying sites

Sites recommended for designation as Local Wildlife Sites

Grid Square	Site Name	Habitat Qualification
TF 16	Halstead and Stobourn Woods	WD1/1b
TF 16	Coal Pit Wood	WD1/1b
TF25	Little Birk Wood	WD1/1b
TF26	Bracken Wood	WD1/1b
TF26	Hogg Wood	WD1/1b
TF26	Lower Darwood	WD1/1b
TF26	The Wilderness, Woodhall Spa	WD1/1b
TF26	Shire Wood	WD1/1b
TF26	Upper Darwood (High Dar Wood)	WD1/1b
TF26	Thornton Wood	WD1/1b
TF26	Wellsyke Wood	WD1/1b
TF26	Ash Holt	WD1/1b
TF26	Holme Wood	WD1/1b
TF37	Cliff Carr	WD1/1b
TF37	Knowles Carr	WD1/1b
TF38	Hubbards Hills	WD1/1b
TF38	Legbourne Wood	WD1/1b
TF38	Muckton Wood (E)	WD1/1b
TF38	Authorpe Scrub	WD1/1b
TF38	Hall Wood	WD1/1b
TF47	Swinn Wood	WD1/1b
TF47	Mother and Greenfield Woods	WD1/1b
TF48	Withern Wood	WD1/1b
TF48	Tothill Wood	WD1/1b
TF26	Highall Wood	WD1/1b
TF26	Kirkby Reading	WD2
TF26	Scrivelsby Guide Post Plantation	WD2
TF37	Burwell Hollow	WD2
TF38	The Holt (near Hud Holes)	WD2
TF39	Brackenborough Wood	WD2
TF47	Moors Wood, Aby	WD2
TF47	The Browse	WD2
TF47	Jail Holt	WD2
TF48	Hopper's Holt	WD2
TF38	Hud Holes – Legbourne Wood	WD3
TF 17	Sotby Wood (Gospel Hill)	WD3
TF 17	Twenty Acre Plantation	WD3
TF18	Hainton Duck Pond and Plantation	WD3
TF26	Edlington Scrubs	WD3
TF26	Ostler's Plantation	WD3
TF26	Revesby : Wilksby Plantation	WD3
TF26	Grantham's Cottage, Revesby (Grantham's Plantation)	WD3
TF26	Ostler's Plantation North	WD3

Grid Square	Site Name	Habitat Qualification
TF26	Kirkby Moor Plantation	WD3
TF28	Benniworth Haven	WD3
TF37	Catchacre Wood	WD3
TF47	Grange Plantation, Aby	WD3
TF46	Moor Close Holt (Feather Bed Farm Pasture)	WD4
TF27	Stourton Park	WD5
TF26	Holme Ditch	NG1
TF57	Sloothby Low Lane (Drain at Sloothby)	NG1
TF 16	Woodhall Spa Meadow	NG1
TF18	The Pond Field	NG1
TF28	Biscathorpe Quarry	NG1
TF35	Stickney Meadow and Railway Cutting	NG1
TF36	Grassland, Southfield Farm (Manor farm)	NG1
TF36	Vale Farm Meadow (Vale Meadow Carr)	NG1
TF39	Grainthorpe Grassland (1)	NG1
TF46	Green Lane Pit and Hedge Row (Green lane West)	NG1
TF46	Gunby Meadow	NG1
TF57	Sloothby Meadows	NG1
TF18	Hainton Grassland	NG1
TF46	Disused Railway Track, Gunby	NG1
TF 16	Furze Hill Protected Roadside Verge	NG1
TF 17	Wispington Farm Verge (Foxhall farm tack verge)	NG1
TF26	Road Verge, Wilksby Church	NG1
TF27	Hemingby Roman Road	NG1
TF37	Calceby Bottom Protected Roadside Verge	NG1
TF39	Brackenborough Protected Roadside Verge	NG1
TF28	Bracken Mound Field	NG1
TF 17	Hoop Lane Verges Langton	CG1
TF29	Binbrook Grasslands	CG1
TF37	Oxcombe Grassland	CG1
TF47	South Thoresby Protected roadside verges	CG1
TF26	Highall Wood, Sandy Lane	HE2
TF26	Roughton Moor	HE2
TF47	River Great Eau	Flo3
TF26	Scrivelsby – Hammeringham Beck	Flo3
TF25	Mill Drain Tattershall	Sta2
TF25	Castle Leisure Park, Tattershall	Sta2
TF28	Biscathorpe Park and Fish Pond	Sta2
TF29	Thorpe le Vale	Sta2
TF39	Eastfield Lodge, North Thoresby (Gloucester house ponds)	Sta2
TF47	Farlesthorpe Pit	Sta2
TF26	Kirkby on Bain Pits	Sta2
TF48	Willow Farm Fishing Lake	Sw2
TF27	West Ashby Gravel Pits	Sw2

Grid Square	Site Name	Habitat Qualification
TF49	Warren Road Dunes – Saltfleet	Co3
TF49	North Somercotes Warren	Co3
TF18	Beck House Bridge Field	Mos1
TF28	Kelstern Beck – Upstream of Grimblethorpe Hall	Mos1 (Flo + Sw)
TF36	Riverdale Meadow, Hagworthingham	Mos1 (NG + HE)
TF37	Swaby Meadow	Mos1 (NG + Sw)
TF38	Muckton Beck	Mos1 (NG + Sw)
TF25	The Ings	Mos1 (Sta + Sw)
TF38	Long Eau - (Long Eau, East and West)	Mos1 (Sta + Sw)
TF57	Sloothby Two Acre Meadow	Mos2
TF37	Brook Farm	Mos2
TF36	East Keal Clay Pit	Mos4

Appendix 3: Non-qualifying sites

Sites which do not meet LWS criteria on the basis of the current survey

Grid square	Site name
TF 16	Petwood Hotel Grounds
TF 16	Woodhall Spa Wetland
TF 16	Top and Bottom Plantation (West of Waterloo Wood)
TF 16	Woodhall Spa Pinewoods
TF 17	Wispington Meadow (Foxhall Farm Meadow No. 2)
TF 17	Baumber Protected Roadside Verge
TF 17	Hungram Gorse
TF 17	Stonehills Plantation
TF 17	Fox Covert Plantation
TF 17	Honey Holt
TF18	Fishpond Wood
TF18	Lodge Corner
TF18	Collingwoods Hill Plantation
TF18	Carman Gorse
TF18	Priestmore Plantation
TF18	Horse Pasture Plantation
TF25	Coningsby Marsh
TF25	Old River Bain at Coningsby Lock
TF26	Tower on the Moor (Thornton moor)
TF26	Bogs Nook North
TF26	Wellsyke Lane Protected Roadside Verge
TF26	Toft Hill, Tumby (Rose Cottage Meadow)
TF26	Revesby West Lane
TF26	Harbour Wood
TF26	Roughton Wood
TF26	Scrivelsby Church Plantation
TF26	Scrivelsby Spinney Wood
TF26	Scrivelsby Roadside Plantation (Dicksons)
TF26	Scrivelsby South West Park (Apple & Sands Plantation)
TF26	Scrivelsby Park (Rough & Northfield Plantation)
TF26	Scrivelsby Barn Plantation
TF26	Revesby : Long Strip at Roadside
TF26	Birch Wood
TF27	Chapel Cottage Meadow, Sotby
TF27	Lowthorpe Meadow
TF27	Ing's Farm Escarpment
TF27	River Bain – Ranby Bottoms
TF27	River Bain – Goulceby Upstream
TF27	River Waring (W Ashby to Belchford)
TF27	Stourton, the Clays, (West Section)
TF27	Baumber, The Belt
TF27	Stourton Big Wood
TF27	Edlington Park : Park Plantation
TF28	Stenigot Road Cutting
TF28	Welton Beck : Little Welton
TF28	Welton le Wold Tributary (Welton Vale)
TF28	South Willingham Woods
TF28	Gravel Pits Plantation
TF29	Ludborough Newt Pond
TF35	Yellow Rattle Meadow
TF35	Stickney Fields Complex
TF35	Picnic Site, Stickney
TF36	Upper Hobhole Drain
TF36	Pawson's Meadow
TF36	Charlie Ward's Field/Spinney

Grid square	Site name
TF36	Toynton Fenside
TF36	Emmitt Holt
TF37	South Thoresby Sand Pit (Swaby Refuse Dump)
TF37	Salmonby – Somersby Roadside
TF37	River Lymn, Ashby Puerorum Tributary
TF37	Ketsby Beck, Rutland
TF37	Ketsby Beck
TF37	Melbourne Hill Carrs (now Littlehays Carr)
TF38	Legbourne Marsh
TF38	Louth – Grimsby Disused Railway
TF38	Louth to Bardney Disused Railway
TF38	Stewton Old Railway
TF38	Disused Railway North of Swinn Wood
TF38	Legbourne Grange (Furze Lane Woods)
TF38	Castle Wood
TF38	Carlton Wood
TF39	Newbridge Lane Meadow
TF39	Newbridge Lane
TF39	Conisholme Meadow
TF39	Ings Lane, Wragholme
TF39	Red Leas Lane
TF46	East Fen Catchwater (Fen Bridge Drain)
TF46	Bratoft Fields
TF46	Firsby Disused Railway Line (Firsby Railway Banks)
TF46	Thorpe Culvert Brick Pits
TF47	Willoughby Marsh
TF47	Willoughby Churchyard
TF47	Ailby Disused Railway
TF47	Old Railway Track Well Vale to Alford
TF47	Burlands Beck
TF47	Roughton Farm Track
TF47	Bilsby/Markby Roadside Verge
TF47	Swinn Wood Protected roadside verges
TF47	Aby Fishing Lake
TF47	Fordington Pumping Station (pump plantation??)
TF47	Holywell Holt
TF47	Old Brickyard Plantation
TF47	Plains Holt
TF47	Gillwell Plantation
TF48	Wong Plantation
TF48	Wood SE of Woodthorpe (Oak Plantation)
TF49	Marsh Lane
TF49	Millfield Road
TF56	Skegness Railway Sidings
TF57	Huttoft Submerged Forest



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