

Burnley Borough Council

Ecological Asset Desktop Assessment of Local Plan Sites

June 2015

By Lancashire Environment Record Network

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Lancashire Environment Record Network

C/O Planning Group,
Environment Directorate,
Lancashire County Council,
PO Box 100,
County Hall,
Preston. PR1 0LD

lern@lancashire.gov.uk

Tel: 01772 533896



Background

The Natural Environment and Rural Communities (NERC) Act came into force on 1st Oct 2006. Section 40 of the Act requires all public bodies to have regard to biodiversity conservation when carrying out their functions. This is commonly referred to as the 'Biodiversity duty.'

Each local planning authority should ensure that the Local Plan is based on adequate, up-to-date and relevant evidence about the environmental characteristics and prospects of the area (NPPF 158).

Planning policies and decisions should be based on up-to-date information about the natural environment and other characteristics of the area. Working with Local Nature Partnerships where appropriate, this should include an assessment of existing and potential components of ecological networks (NPPF 165).

Local planning authorities should seek opportunities to achieve each of the economic, social and environmental dimensions of sustainable development, and net gains across all three. Significant adverse impacts on any of these dimensions should be avoided and, wherever possible, alternative options which reduce or eliminate such impacts should be pursued. Where adverse impacts are unavoidable, measures to mitigate the impact should be considered. Where adequate mitigation measures are not possible, compensatory measures may be appropriate (NPPF 152).

Ecological Asset Desktop Appraisal

This desktop appraisal has investigated the relationship between land being considered for allocation for development, and information on ecological assets which is held by the Lancashire Environment Record Network (LERN). These assets include records of designated sites, protected and priority species, and other environmental assets of significance.

Consideration of such features will help a local planning authority demonstrate that it has fulfilled its requirements in respect of the relevant legislation and guidance such as the NPPF, NERC Act etc

This report (with accompanying GIS layers) details the information sources checked and whether they are relevant to individual land allocations. The information provided is purely factual and contains no opinions as to the merits or desirability of the allocation of particular sites. It is recommended that appropriate advice is sought in respect of the implications of the information provided. Such advice is available from specialist environmental consultancies.

Methodology

Allocation locations, preferably as polygons, are provided by the local planning authority. If supplied as individual allocation boundaries then these are compiled into a single layer.

Within ArcMap GIS the allocations are compared spatially to locations of designated sites and known records of protected species and other species considered important in a local context (NERC S41, Lancashire BAP etc). Where allocations coincide, are adjacent to, or are within a specified distance of, an environmental asset then the layer attribute table is updated to indicate this.

In undertaking the assessment reference is made to '*Ecology standing advice for planning officers*' (March 2013) prepared by Lancashire County Council ecologists. This document sets out consultation proximity thresholds to identify when it is appropriate to seek specialist ecological advice to assess the potential for development proposals to impact on different environmental features. These thresholds are generally adopted by this assessment.

Results

Results are presented in the form of a PDF document with interactive maps and a number of ESRI shapefiles which can be viewed in an appropriate GIS.

Table 1 (below) describes the attributes defined in the primary assessment shapefile. The attribute table for this shapefile is also provided as a MS Excel spreadsheet. Each row in the spreadsheet relates to a single land allocation.

Summary Site Reports including Interactive PDF maps of Site Allocations are given in Appendix 1.

Site reports and boundary plans for the BHS identified by this assessment appear as Appendix 2.

Records for Species of European Importance, NERC Act S41 species, Lancashire BAP Long List species, Invasive Non-native Species and other species of significance in Lancashire (see Appendix 3) identified by this report are plotted on the site plans and provided as an Excel spreadsheet. The value in the FID and OBSKEY fields can be used to identify the same records in both the PDF maps and the spreadsheet.

Information relating to other datasets identified (eg Phase 1 Habitat Survey, National Habitats Inventory etc) can be provided on request to inform subsequent decision-making.

Table 1 Description of fields used in the attribute table and spreadsheet.

Other attribute fields may be retained to aid allocation identification if they were contained in the datasets originally provided by the LPA.

Attribute Field	Description	Rationale	NPPF para ref
FID	A number identifying the record.		
Site_Ref	The reference number used for the land allocation.		
ID_	An alternative reference number used for the (draft) land allocation.		
Location	The name used for the (draft) land allocation.		
Area	The area of the polygon in hectares.		
Grid_Ref	A grid reference for the land parcel.		
Use	Any proposed land use.		
Comment	Any contextual comments.		
Anc_Tree	Any coincident with trees identified in the Ancient Trees Survey register	Identifies the presence of aged or veteran trees found outside ancient woodland.	118
AWI	Any coincident or adjacent (<10m) of sites identified in the Ancient Woodland Inventory (v3)	Identifies the presence of ancient woodland habitat.	118
BAP_LL	Any coincidence with Lancashire Biodiversity Action Plan draft Long List species records (at 100m, or greater, precision and excluding species also listed on NERC S41).	The lists comprise species of biodiversity significance in Lancashire). The list indicates species over which particular consideration is needed whether through Development Control, land management or agri-environment schemes.	109 121

Attribute Field	Description	Rationale	NPPF para ref
Bats	Any bat records within 400m of site.	To highlight known bat activity in the vicinity.	117
BHS¹	Any coincidence or adjacent (<10m) of Biological Heritage Sites	Locally identified wildlife site.	113 121
CCM	Any coincidence with Clitheroe Castle Museum geological records.	Indicates further geological information is available. Most of the records in the CCM dataset have now been appraised and the most significant have been identified as Local Geodiversity Sites. GeoLancashire may be able to provide further advice.	109 117 121 Circular 06/2005
Cons_Zone	Any coincidence with the ecology Consultation Zone defined by LCC ecologists	The Consultation Zone is defined defined in: ' <i>Ecology standing advice for planning officers</i> ' (March 2013) prepared by Lancashire County Council ecologists	
EuropPS	Any coincidence with records (at 100m, or greater, precision) for species listed on The Conservation of Habitats and Species Regulations 2010	European Protected Species are animals and plants that receive protection under The Conservation of Habitats and Species Regulations 2010.	117
GCN	Any coincidence with, or within 250m of, known Great Crested Newt records. Coincidence indicated by year of record.	GCN is a priority species often encountered in the development management process.	121
HDL	Any coincidence with, or within 250m of, Historic Designed Landscapes (point locations) identified in the Bennis & Dyke 1998 study. Contact steven.brereton@lancashire.gov.uk for further details.	Historic designed landscapes not identified on the National Register.	128
HWS	Any coincidence with sites identified in the Lancashire Historic Woodland Survey. This compares	Provides context for woodland on site.	117 118

Attribute Field	Description	Rationale	NPPF para ref
	<p>woodland that was shown on 6" to one mile mapping from the 1840s, with the present situation, to identify:</p> <p>Ancient Woodland Polygons which appear to currently support woodland and are shown in the Ancient Woodland Inventory and on the 1st edition mapping.</p> <p>Other Old Woodland Polygons which appear to currently support woodland and are shown on the 1st edition mapping but do not appear in the Ancient Woodland Inventory.</p> <p>Due to shape and location they appear to be of semi-natural origin though plantations with some semi-natural features may also be included.</p> <p>Recent Woodlands and Old Plantations Polygons that appear to have developed a woodland cover since the 1st edition mapping or polygons that appeared to be plantations on the 1st edition mapping due to shape and location and sometimes with a significant coniferous element.</p> <p>Lost Woodland Polygons that appear wooded on the 1st edition mapping but no longer appear to support woodland.</p>		
IBA	Any coincidence with areas identified as Important Bird Areas.	Important Bird Areas are identified by RSPB.	
INNS	Any coincidence with records (at 100m, or greater, precision) for Invasive Non-native Species (INNS).	Any development on site should take account of the presence, and avoid the spread of, INNS.	
LEN_Grass	<p>Coincidence with the following components of the Lancashire Ecological Network (LEN):</p> <ul style="list-style-type: none"> • Core Area (100m) • Stepping Stone/Habitat (50m) • Sub 3km Corridor (50m) • >3km Corridor (0m) 	<p>LEN is currently (March 2013) under development and is not included in this appraisal.</p> <p>The attribute table only identifies the site's proximity to the 'highest level' LEN feature according to the following hierarchy:</p> <p>Intersects Core Area Intersects Stepping Stone/Habitat Intersects sub 3km Corridor Within 100m Core Area</p>	<p>99 109 113 114 117 121</p>

Attribute Field	Description	Rationale	NPPF para ref
		Within 50m Stepping Stone/Habitat Within 50m sub 3km Corridor Intersects > 3km Network	
LEN_Wood	As LEN_Grass	As LEN_Grass	99 109 113 114 117 121
LGS¹	Any coincidence or adjacent (<10m) Local Geodiversity Sites (aka GHS & RIGs).	Locally identified wildlife site.	113 117 121 Circular 06/2005
LKSnotINNS	Any coincidence with records (at 100m, or greater, precision) for species identified as Lancashire Key Species with the exception of Invasive Non-native species.	'Lancashire Key Species' is used to collectively refer to species considered to be of significance in Lancashire, see Appendix 3 for definition.	117
LNR¹	Any coincident or adjacent (<10m) Local Nature Reserves.	Statutory nature conservation designation.	113 121
LPO¹	Any coincidence with Limestone Pavement Orders.		113 121
NERC S41	Any coincidence with records (at 100m, or greater, precision) for species listed on Section 41 of the Natural Environment and Rural Communities (NERC) Act 2006.	Species of Principal Importance (aka priority species) The S41 list is used to guide decision-makers such as public bodies, including local and regional authorities, in implementing their duty under section 40 of the NERC Act 2006, to have regard to the conservation of biodiversity in England, when carrying out their normal functions.	109 117 121
NIA	Coincidence with a Nature Improvement Area	NIAs are "Ecological Restoration Zones" as proposed by the Making Space for Nature	117 121

Attribute Field	Description	Rationale	NPPF para ref
		Review.	
NNR¹	Any coincident/adjacent National Nature Reserves.	Statutory nature conservation designation.	113 121
OthSurvey	Has the site been subject to any other known surveys. Coincidence indicated by year of survey.	Indicates further ecological information is available for the site.	109 121
Peat	Any coincidence with peat on 6" to one mile geological drift maps.	Indicates former presence of wetland habitats and potential for restoration.	109 Circular 06/2005
Phase1TN	Any coincidence with target notes from the Lancashire Phase 1 Habitat Survey.	Indicates further ecological information is available for the site.	109 121
PHI	Any coincidence (<10m) with features identified in Natural England's Priority Habitats Inventory (v2).	Indicates the presence of Priority Habitats.	117
Pond	Any ponds within the site or within 100m or 250m. Pond locations are derived from OS MasterMap (inland open water <2.5ha). <i>N.B. MasterMap does not distinguish between still and flowing water; some 'ponds' may in fact be small, isolated, stretches of flowing water.</i> Only the 'highest' match is indicated in the results table.	Indicates where a site potentially contains features which may warrant investigation prior to development.	109 121
Ramsar¹	Any coincidence with, or within 400m of, Ramsar sites.	International nature conservation designation.	113 121
SAC¹	Any coincidence with, or within 400m of, Special Areas of Conservation	International nature conservation designation.	113 121
SensBA	Any coincidence with areas identified as Sensitive Bird Areas.	SBS are utilized by several important bird species that are vulnerable to the effects of certain types of disturbance,	109 121

Attribute Field	Description	Rationale	NPPF para ref
		<p>development and land-use change including: on-shore wind, biomass planting, energy transmission; highway schemes.</p> <p>Reference: <i>Wind Turbines, Sensitive Bird Populations and Peat Soils: A Spatial Planning Guide for on-shore wind farm developments in Lancashire, Cheshire, Greater Manchester and Merseyside.</i> RSPB & LWT 2008</p>	
SPA¹	Any coincidence with, or within 400m of, Special Protection Areas	International nature conservation designation.	113 121
SSSI¹	Any coincidence with, or within 400m of, Sites of Special Scientific Interest.	Statutory nature conservation designation.	113 121
WaterVole	Any coincidence with, or within 250m of, Water Vole records made since 2005. Coincidence indicated by year of record.	Water Vole is a priority species often encountered in the development management process.	109 121
WV_Alert	<p>Any coincidence with the Water Vole Alert Layers identified by National Water Vole Database and Mapping Project.</p> <p>Alert areas used relate to the 2007-2011 data set (distributed Aug 2013).</p>	<p>The alert and key areas identify the areas known to support water vole populations and suggest where some of the more robust populations may be found.</p> <p>To date three tiers of mapping have been produced:</p> <p>Alert Area 0.5km buffer of (rivers within 1.5km of) Water Vole record made since 2005.</p> <p>Local Key Area LKA are identified by selecting Alert Areas of 6 km² and over.</p> <p>Regional Key Area RKA are identified by selecting Alert Areas of 35 km² and over.</p>	109 121
WCA158	Any coincidence with records (at 100m, or greater, precision) for species listed on Schedules 1, 5 or 8 of the Wildlife and Countryside Act.		

¹ Site designations which coincide or part intersect LDF allocations are referred to by their reference numbers or names. Site designations which are adjacent to LDF allocations are referred to as "*site ref* adjacent" ('adjacent' may be abbreviated to 'adj' or 'adjac'). Where a LDF allocation coincides with one designation and is also adjacent to another, then the adjacent sites are enclosed in parentheses eg '45NE08 (LSCLA adjacent)'

Land Allocation Summary Reports

Table 2. Site Report Order

ID	Site_Ref	Location	GridRef	Area	Use	Local Plan Stage
1	MIX/IO/A	Adlington Street	SD844328	0.5	Mixed Use	Issues and Options site
2		Balderstone Lane	SD863345	2.1		Not taken forward at Issues and Options stage.
3	HS/IOAS/D	Bank Hall Sport Ground	SD845334	1.8	Housing	Issues and Options Additional Site
4	EMP/IO/A	Barden Lane	SD840350	4.1	Employment	Issues and Options site
5	EMP/IO/B	Blackburn Road	SD786335	8.8	Employment	Issues and Options site
6		Blannel Street	SD830325	0.3		Not taken forward at Issues and Options stage.
7	HS/IO/A	Branch Road	SD846317	2.8	Housing	Issues and Options site
8	HS/IO/B	Branch Road (A)	SD845319	1.9	Housing	Issues and Options site
9	HS/IO/C	Branch Road (B)	SD845316	1.4	Housing	Issues and Options site
10	HS/IOAS/F	Brownside Road	SD871325	2.6	Housing	Issues and Options Additional Site
11	HS/IOAS/E	Brownside Road/Lennox	SD874326	2.1	Housing	Issues and Options Additional

ID	Site_Ref	Location	GridRef	Area	Use	Local Plan Stage
		Street				Site
12	EMP/IO/C	Burnley Bridge	SD802324	24.4	Employment	Issues and Options site
13	EMP/IO/D	Burnley Bridge Extension	SD797324	10.9	Employment	Issues and Options site
14	HS/IOAS/G	Butchers Farm	SD872322	5.2	Housing	Issues and Options Additional Site
15	HS/IO/D	Colne Road/New Hall Street/Elm Street	SD843340	4.9	Housing	Issues and Options site
16	HS/IOAS/L	Copy Wood New Road	SD851303	7.6	Housing	Issues and Options Additional Site
17	HS/IOAS/I	Craggs Farm	SD787338	0.7	Housing	Issues and Options Additional Site
18	EMP/IO/E BTC/IO/A	Curzon Street	SD839328	1.4	Employment/ Burnley Town Centre	Issues and Options site
19	EMP/IO/F	Eaves Barn Farm Padiham	SD784329	19.9	Employment	Issues and Options site
20	HS/IO/E	Florence Avenue	SD822320	1.4	Housing	Issues and Options site
21	HS/IOAS/C	Former AIT site Brush Street	SD824321	1.7	Housing	Issues and Options Additional Site
22	HS/IO/F	Former Baxi Site, Padiham - western	SD799340	8.2	Housing	Issues and Options site
23	HS/IO/G	Former Dorma Site	SD853348	2.0	Housing	Issues and

ID	Site_Ref	Location	GridRef	Area	Use	Local Plan Stage
		- Casterton Ave				Options site
24	HS/IO/H	Former Hameldon School Sites	SD808331	15.9	Housing	Issues and Options site
25	HS/IOAC/K	Former Heckenhurst Reservoir	SD867329	4.6	Housing	Issues and Options Additional Site
26	HS/IO/I	Former Ridgewood High School	SD836336	3.4	Housing	Issues and Options site
27	HS/IO/J	Former William Blythe Site, Hapton	SD795320	6.0	Housing	Issues and Options site
28		Gas Works, Stoneyholme	SD837339	3.4		Not taken forward at Issues and Options stage.
29	MIX/IO/A	George Street Shed, George Street	SD836325	1.0	Mixed Use	Issues and Options site
30	HS/IO/K	Gordon Street Mill, Lennox Street	SD875326	0.8	Housing	Issues and Options site
31	HS/IO/L	Grey Street	SD841344	1.0	Housing	Issues and Options site
32	HS/IOAS/J	Grove Lane	SD796341	0.5	Housing	Issues and Options Additional Site
33	HS/IO/M	Hargher Street	SD826322	2.8	Housing	Issues and Options site
34	HS/IO/N	Harrogate Crescent	SD855347	1.5	Housing	Issues and Options site
34a	GT/IOAS/A	Heald Road	SD838345	2.7	Gypsy & Traveller	Issues and options Additional Site

ID	Site_Ref	Location	GridRef	Area	Use	Local Plan Stage
35	HS/IO/O	Higher Saxifield	SD862352	5.2	Housing	Issues and Options site
36	HS/IO/P	Hollins Cross Farm	SD837307	9.8	Housing	Issues and Options site
37	HS/IO/Q	Imperial Mill, Liverpool Road	SD814326	1.6	Housing	Issues and Options site
38	HS/IO/R	Jack Hey Lane Farm, Cliviger	SD871292	2.5	Housing	Issues and Options site
39	BTC/IO/B	Keirby Walk/ Yorkshire Street	SD843326	0.3	Burnley Town Centre	Issues and Options site
40	EMP/IO/G	Knowledge Park	SD835331	6.5	Employment	Issues and Options site
41	MIX/IO/A	Lambert Howarth/Finsley Wharf	SD841320	5.3	Mixed Use	Issues and Options site
42	HS/IO/S	Land at Burnley General Hospital	SD851346	3.3	Housing	Issues and Options site
43	HS/IO/T	Land at Lowerhouse Lane	SD814326	0.5	Housing	Issues and Options site
44		Land between 57 - 81 Accrington Road	SD829325	0.1		Not taken forward at Issues and Options stage.
45	HS/IO/U EMP/IO/H MIX/IO/D	Land off Rossendale Road	SD824307	41.3	Housing/ Employment/ Mixed Use	Issues and Options site
46	HS/IOAS/H	Land South of Crow Wood	SD832337	11.3	Housing	Issues and Options Additional Site
47	EMP/IOAS/	Land South of	SD802311	8.3	Employment	Issues and Options Additional

ID	Site_Ref	Location	GridRef	Area	Use	Local Plan Stage
	M	Network 65				Site
48		Land south of Network65	SD802311	8.4		Not taken forward at Issues and Options stage (redrawn as 47)
49	GT/IOAS/C	Lawrence Avenue	SD824319	0.8	Gypsy & Traveller	Issues and Options Additional Site
50	EMP/IO/I	Liverpool Road (1/2)	SD811326	1.1	Employment	Issues and Options site
51	EMP/IO/J	Liverpool Road (2/2)	SD810324	1.4	Employment	Issues and Options site
52	HS/IO/V	Livingstone Mill	SD840341	1.0	Housing	Issues and Options site
53	GT/IOAS/B	Marlborough Street	SD841318	0.5	Gypsy & Traveller	Issues and Options Additional Site
54		New Road West	SD845305	6.5		Not taken forward at Issues and Options stage.
55	HS/IO/W	North of Bronte Avenue	SD860325	1.7	Housing	Issues and Options site
56	HS/IO/X	Oswald Street	SD839336	1.3	Housing	Issues and Options site
57	EMP/IO/K BTC/IO/C	Parker Lane/Croft Street	SD842325	0.5	Employment/ Burnley Town Centre	Issues and Options site
58		Part of Towneley Farm Park Rd Cliviger	SD861306	16.6		Not taken forward at Issues and Options stage.

ID	Site_Ref	Location	GridRef	Area	Use	Local Plan Stage
59	MIX/IO/E	Peel Mill, Gannow Lane	SD820325	2.0	Mixed Use	Issues and Options site
60	HS/IO/Y	Perserverance Mill	SD798332	1.2	Housing	Issues and Options site
61	HS/IO/Z	Primrose Mill, Harrison Street	SD867348	1.2	Housing	Issues and Options site
62		Rakehead Recreation Ground	SD848346	1.5		Not taken forward at Issues and Options stage.
63	HS/IO/A A	Rear of Bull and Butcher	SD829305	1.0	Housing	Issues and Options site
64	HS/IOAS/B	Rear of Moseley Road	SD844310	1.0	Housing	Issues and Options Additional Site
65	HS/IOAS/A	Red Lees Road, Cliviger	SD868313	5.5	Housing	Issues and Options Additional Site
66		Richmond Avenue/Red Lees Road	SD865313	28.7		Not taken forward at Issues and Options stage (redrawn as 65)
67	HS/IO/A B	Ridge Avenue	SD857327	1.5	Housing	Issues and Options site
68	HS/IO/A C	Rose School, Swindon Street	SD829322	0.8	Housing	Issues and Options site
69	BTC/IO/E	Saunder Bank	SD840323	0.2	Burnley Town Centre	Issues and Options site
70		Sewage Works Barden Lane (Ex Duck Pits Woodend Rd)	SD835349	2.2		Not taken forward at Issues and Options stage.

ID	Site_Ref	Location	GridRef	Area	Use	Local Plan Stage
71		Southward Bottom/Overtown	SD869297	13.1		Not taken forward at Issues and Options stage.
72	GT/IO/D	Spa Wood	SD806310	0.6	Gypsy & Traveller	Issues and Options site
73	HS/IO/A D	Station Road, Padiham	SD793335	2.3	Housing	Issues and Options site
74	HS/IO/A E	Sycamore Avenue	SD820327	0.9	Housing	Issues and Options site
75	HS/IO/A F	Tay Street	SD828324	1.2	Housing	Issues and Options site
76	EMP/IO/L BTC/IO/D	Thompson Centre	SD842323	0.7	Employment/ Burnley Town Centre	Issues and Options site
77	HS/IO/A G	Villiers Street	SD821320	1.3	Housing	Issues and Options site
78	HS/IO/A H	Waterside Mill, Langham Street	SD817328	2.8	Housing	Issues and Options site
79	EMP/IO/M	Westgate	SD833327	2.8	Employment	Issues and Options site
80	EMP/IO/N	Widow Hill Road	SD859342	2.2	Employment	Issues and Options site
81		Worsthorne	SD875323	5.6		Not taken forward at Issues and Options stage.

Appendix 1: Summary Site Plans and Reports

N.B. The PDF maps in the following sections are interactive, map layers can be turned on and off. See Appendix 4 for a user guide.

Appendix 2: BHS Descriptions

Appendix 3: Lancashire Key Species Search Results and Definition

'Lancashire Key Species' (LKS) is used by LERN as a collective term to refer to species which have a recognised status, either nationally or locally.

Specifically, it includes species identified in one or more of the following sources:

The Conservation of Habitats and Species Regulations 2010 (usually referred to as the 2010 Habitats Regulations) implement Council Directive 92/43/EEC on the conservation of natural habitats and of wild fauna and flora (the Habitats Directive) into national legislation. Articles 12 and 13 of the Habitats Directive contains a range of prohibitions seeking to protect species listed on Annex IV (animal and plant species in need of strict protection).

European Protected Species are animals and plants that receive protection under The Conservation of Habitats and Species Regulations 2010.

LKS includes species listed on Annexes II, IV and V of the Habitats Directive. These species, together with the birds protected under the Birds Directive, are called species of 'Community interest'.

The Wildlife and Countryside Act 1981 (as amended) (WCA) implements parts of the Birds Directive 2009 [2] and the Berne Convention (1979) [3] into national legislation. It includes a number of Schedules which are reviewed (usually every five years) on which details of the protected species, and their level of protection, are shown. A detailed summary of the relevant sections of the Wildlife and Countryside Act, along with the protection afforded under them can be found within Paragraphs 118-122 of [ODPM Circular 06/2005](#).

Species listed on Schedules 1, 5 and 8 are included on the list of LKS: Schedule 1 refers to Birds and their young, for which it is an offence to intentionally or recklessly disturb at, on or near an 'active' nest. Schedules 5 and 8 refer to protected species of wild animals and plants.

The Natural Environment and Rural Communities (NERC) Act 2006 - Habitats and Species of Principal Importance in England

The England Biodiversity List has been developed to meet the requirements of Section 41 of the Natural Environment and Rural Communities Act (2006). This legislation requires the Secretary of State to publish a list of species of flora and fauna and habitats considered to be of principal importance for the purpose of conserving biodiversity.

The S41 list will be used to guide decision-makers such as public bodies, including local and regional authorities, in implementing their duty under section 40 of the Natural Environment and Rural Communities Act 2006 "to have regard" to the conservation of biodiversity in England, when carrying out their normal functions. In particular:

- Regional Planning Bodies and Local Planning Authorities will use it to identify the species and habitats that should be afforded priority when applying the requirements of Planning Policy Statement 9 (PPS9) to maintain, restore and enhance species and habitats.

- Local Planning Authorities will use it to identify the species and habitats that require specific consideration in dealing with planning and development control, recognising that under PPS the aim of planning decisions should be to avoid harm to all biodiversity.
- All Public Bodies will use it to identify species or habitats that should be given priority when implementing the NERC Section 40 duty.

The Protection of Badgers Act 1992

The legislation affording protection to badgers is primarily concerned with animal welfare and the need to protect badgers from activities such as baiting and deliberate harm. The Protection of Badgers Act 1992 makes it an offence to:

- Wilfully kill, injure, take, possess or cruelly ill-treat a badger, or attempt to do so;
- To intentionally or recklessly interfere with a sett (this includes disturbing badgers whilst they are occupying a sett, as well as damaging or destroying a sett or obstructing access to it.

Lancashire BAP Species and Lancashire BAP Long List Species

Lancashire BAP Species are those for which a Lancashire BAP Action Plan has been prepared. Lancashire BAP Long Lists contain those species which occur in Lancashire and are of significance according to the criteria listed on http://www.lancspartners.org/lbap/bap_longlist.asp.

The criteria and lists have been produced by the Lancashire BAP Technical Working Group based on current available information (January 2010) and will be subject to review as new information becomes available.

The list comprises species of biodiversity significance in Lancashire and includes a number of species for which there is a published [Species Action Plan](#) (SAP). However, it is not the intention to produce SAPs for each of the species as many will be covered in general terms by HAPs. The list indicates species over which particular consideration is needed whether through Development Control, land management or agri-environment schemes.

It is intended that species action will be delivered through associated habitat action and as such the Technical Working Group will consider preparation of new SAPs on a needs basis. For those species groups for which Long Lists have yet to be prepared or published, Key Species include species identified within the BHS selection guidelines where these are also listed in the relevant British RDB, are Nationally Scarce or occur at three or fewer localities in Lancashire.

Invasive Non-Native Species

Species listed in Appendix A

Further Information

Lancashire BAP website: <http://www.lancspartners.org/lbap/>

A spreadsheet of UK species designations is maintained by JNCC: <http://jncc.defra.gov.uk/page-5331>

Protected Species and the Planning System – relevant Legislation and Policy.

<http://www.naturalengland.org.uk/ourwork/planningdevelopment/spatialplanning/standingadvice/legislation.aspx>

Table 3. Summary of Lancashire Key Species Identified in the Desk-top Assessment*N.B. Full details of the records appear in the spreadsheet accompanying this report.*

Taxon Name	Common Name	Taxon Group	Latest Record	Status Summary	Count of Records
<i>Alauda arvensis</i>	Skylark	bird	2013	European Legislation	2
<i>Alcedo atthis</i>	Kingfisher	bird	1998	European Legislation	1
<i>Alisma lanceolatum</i>	Narrow-leaved Water-plantain	flowering plant	2007	Lancashire Importance	1
<i>Anguilla anguilla</i>	European Eel	bony fish (Actinopterygii)	2011	European Legislation	1
<i>Anthus pratensis</i>	Meadow Pipit	bird	2014	European Legislation	14
<i>Apamea remissa</i>	Dusky Brocade	insect - moth	2001	UK Legislation	1
<i>Bufo bufo</i>	Common Toad	amphibian	1997	European Legislation	1
<i>Calopteryx splendens</i>	Banded Demoiselle	insect - dragonfly (Odonata)	2002	Lancashire Importance	1
<i>Chiasmia clathrata</i>	Latticed Heath	insect - moth	2003	UK Legislation	1
Chiroptera	Bats	terrestrial mammal	2013	European Legislation	49
<i>Cottus gobio</i>	Bullhead	bony fish (Actinopterygii)	2011	European Legislation	2
<i>Crambe maritima</i>	Sea-kale	flowering plant	2007	Lancashire Importance	1
<i>Crassula helmsii</i>	New Zealand	flowering plant	2007	Invasive Non	1

Taxon Name	Common Name	Taxon Group	Latest Record	Status Summary	Count of Records
	Pigmyweed			Native Species	
Diarsia rubi	Small Square-spot	insect - moth	2002	UK Legislation	1
Ecliptopera silaceata	Small Phoenix	insect - moth	2001	UK Legislation	2
Elodea canadensis	Canadian Waterweed	flowering plant	2005	Invasive Non Native Species	2
Emberiza schoeniclus	Reed Bunting	bird	2013	European Legislation	6
Falco tinnunculus	Common Kestrel	bird	2014	European Legislation	2
Fallopia japonica	Japanese Knotweed	flowering plant	2014	Invasive Non Native Species	32
Gallinago gallinago	Common Snipe	bird	2014	European Legislation	2
Haematopus ostralegus	Oystercatcher	bird	1997	European Legislation	1
Heracleum mantegazzianum	Giant Hogweed	flowering plant	2013	Invasive Non Native Species	2
Hyacinthoides non-scripta	Bluebell	flowering plant	2009	UK Legislation	14
Hydrocharis morsus-ranae	Frogbit	flowering plant	2007	Lancashire Importance	1
Impatiens glandulifera	Indian Balsam	flowering plant	2012	Invasive Non Native Species	27
Lepidium latifolium	Dittander	flowering plant	2006	Lancashire Importance	3

Taxon Name	Common Name	Taxon Group	Latest Record	Status Summary	Count of Records
<i>Lepus europaeus</i>	Brown Hare	terrestrial mammal	2013	UK Legislation	2
<i>Libellula depressa</i>	Broad-bodied Chaser	insect - dragonfly (Odonata)	2000	Lancashire Importance	7
<i>Libellula quadrimaculata</i>	Four-spotted Chaser	insect - dragonfly (Odonata)	2000	Lancashire Importance	1
<i>Locustella naevia</i>	Grasshopper Warbler	bird	2013	UK Legislation	1
<i>Mesoligia literosa</i>	Rosy Minor	insect - moth	2001	UK Legislation	2
<i>Myotis daubentonii</i>	Daubenton's Bat	terrestrial mammal	1998	European Legislation	2
<i>Myotis nattereri</i>	Natterer's Bat	terrestrial mammal	1998	European Legislation	1
<i>Numenius arquata</i>	Curlew	bird	2014	European Legislation	2
<i>Nyctalus noctula</i>	Noctule Bat	terrestrial mammal	1998	European Legislation	1
<i>Ophrys apifera</i>	Bee Orchid	flowering plant	2008	European Legislation	2
<i>Perdix perdix</i>	Grey Partridge	bird	2013	European Legislation	1
<i>Pipistrellus</i>	Pipistrelle Bat species	terrestrial mammal	2013	European Legislation	4
<i>Pipistrellus pipistrellus</i>	Common Pipistrelle	terrestrial mammal	2011	European Legislation	8

Taxon Name	Common Name	Taxon Group	Latest Record	Status Summary	Count of Records
<i>Plecotus auritus</i>	Brown Long-eared Bat	terrestrial mammal	1998	European Legislation	1
<i>Pluvialis apricaria</i>	Golden Plover	bird	1988	European Legislation	2
<i>Populus nigra</i> subsp. <i>betulifolia</i>	Black Poplar	flowering plant	2007	Lancashire Importance	6
<i>Rana temporaria</i>	Common Frog	amphibian	1997	European Legislation	1
<i>Rhododendron ponticum</i>	Rhododendron	flowering plant	2008	Invasive Non Native Species	10
<i>Salmo trutta</i>	Brown/Sea Trout	bony fish (Actinopterygii)	2011	UK Legislation	1
<i>Saxicola rubetra</i>	Whinchat	bird	2013	European Legislation	1
<i>Scotopteryx chenopodiata</i>	Shaded Broad-bar	insect - moth	2001	UK Legislation	1
<i>Sphagnum</i>	Bog Moss	moss	1990	European Legislation	4
<i>Sphagnum fallax</i>	Flat-topped Bog-moss	moss	2007	European Legislation	1
<i>Sphagnum recurvum</i>	<i>Sphagnum recurvum</i>	moss	1988	European Legislation	1
<i>Spilosoma lubricipeda</i>	White Ermine	insect - moth	2002	UK Legislation	1
<i>Spilosoma luteum</i>	Buff Ermine	insect - moth	2002	UK Legislation	1
<i>Sturnus vulgaris</i>	Common Starling	bird	2014	European	2

Taxon Name	Common Name	Taxon Group	Latest Record	Status Summary	Count of Records
				Legislation	
<i>Sympetrum danae</i>	Black Darter	insect - dragonfly (Odonata)	1999	Lancashire Importance	1
<i>Triturus cristatus</i>	Great Crested Newt	amphibian	2007	European Legislation	42
<i>Turdus philomelos</i>	Song Thrush	bird	2014	European Legislation	2
<i>Turdus pilaris</i>	Fieldfare	bird	1998	European Legislation	1
<i>Tyria jacobaeae</i>	Cinnabar	insect - moth	2003	UK Legislation	2
<i>Vanellus vanellus</i>	Lapwing	bird	2014	European Legislation	7
<i>Vipera berus</i>	Adder	reptile	2013	European Legislation	1
<i>Xanthia icteritia</i>	Sallow	insect - moth	2001	UK Legislation	1

Appendix A. Invasive Non-Native Species, 2014

Specific Name	Common Name	Group
<i>Crassula helmsii</i>	Australian swamp stonecrop	flowering plant
<i>Hydrocotyle ranunculoides</i>	Floating pennywort	flowering plant
<i>Heracleum mantegazzianum</i>	Giant Hogweed	flowering plant
<i>Impatiens glandulifera</i>	Himalyan balsam	flowering plant
<i>Impatiens capensis</i>	Orange balsam	flowering plant
<i>Azolla filiculoides</i>	Water fern	fern
<i>Myriophyllum aquaticum</i>	Parrot's feather	flowering plant
<i>Spartina anglica</i>	Common cord-grass	flowering plant
<i>Fallopia japonica</i>	Japanese knotweed	flowering plant
<i>Fallopia sachalinensis</i>	Giant knotweed	flowering plant
<i>Fallopia x bohemica</i>	Hybrid knotweed	flowering plant
<i>Ludwigia grandiflora</i>	Creeping water primrose	flowering plant
<i>Egeria densa</i>	Large-flowered waterweed	flowering plant
<i>Lysichiton americanus</i>	American skunk-cabbage	flowering plant
<i>Mimulus guttatus</i>	Monkeyflower	flowering plant
<i>Nymphoides peltata</i>	Fringed Waterlily	flowering plant
<i>Elodea canadensis</i>	Canadian pondweed	flowering plant
<i>Elodea nuttallii</i>	Nuttall's pondweed	flowering plant
<i>Lagarosiphon major</i>	Curly waterweed	flowering plant
<i>Petasites fragrans</i>	Winter heliotrope	flowering plant
<i>Petasites japonicus</i>	Giant butterbur	flowering plant
<i>Pistia stratiotes</i>	Water lettuce	flowering plant
<i>Eichhornia crassipes</i>	Water Hyacinth	flowering plant
<i>Gunnera tinctoria</i>	Giant rhubarb	flowering plant
<i>Gunnera manicata</i>	Chile rhubarb	flowering plant
<i>Cabomba caroliniana</i>	Carolina watershield	flowering plant
<i>Salvinia molesta</i>	Giant salvinia	flowering plant
<i>Undaria pinnatifida</i>	Wakame	chromist
<i>Sargassum muticum</i>	Japanese wireweed	chromist
<i>Silurus glanis</i>	Wels catfish	bony fish (Actinopterygii)
<i>Catostomus commersonii</i>	White sucker fish	bony fish (Actinopterygii)
<i>Pseudorasbora parva</i>	Topmouth gudgeon	bony fish (Actinopterygii)
<i>Leucaspis delineatus</i>	Sunbleak	bony fish (Actinopterygii)
<i>Ameiurus nebulosus</i>	Brown bullhead	bony fish (Actinopterygii)
<i>Ameiurus melas</i>	Black bullhead	bony fish (Actinopterygii)
<i>Ictalurus punctatus</i>	Channel catfish	bony fish (Actinopterygii)
<i>Rhodeus amarus</i>	Bitterling	bony fish (Actinopterygii)
<i>Micropterus dolomieu</i>	Smallmouth bass	bony fish (Actinopterygii)
<i>Micropterus salmoides</i>	Largemouth black bass	bony fish (Actinopterygii)
<i>Lepomis gibbosus</i>	Pumpkinseed	bony fish (Actinopterygii)
<i>Acipenser spp.</i>	Sterlet/Sturgeon	bony fish (Actinopterygii)
<i>Ctenopharyngodon idella</i>	Grass carp	bony fish (Actinopterygii)

Specific Name	Common Name	Group
<i>Oncorhynchus mykiss</i>	Rainbow trout	bony fish (Actinopterygii)
<i>Eriocheir sinensis</i>	Chinese mitten crab	crustacean
<i>Dikerogammarus villosus</i>	killer shrimp	crustacean
<i>Hemimysis anomala</i>	Carrion shrimp	crustacean
<i>Pacifastacus leniusculus</i>	North American signal crayfish	crustacean
<i>Astacus astacus</i>	Noble crayfish	crustacean
<i>Astacus leptodactylus</i>	Turkish crayfish	crustacean
<i>Orconectes limosus</i>	Spinycheek crayfish	crustacean
<i>Procambarus clarkii</i>	Red swamp crayfish	crustacean
<i>Dreissena (Dreissena) polymorpha</i>	Zebra mussel	Molluscs
<i>Crepidula fornicata</i>	Slipper limpet	Molluscs
<i>Crassostrea gigas</i>	Pacific oyster	Molluscs
<i>Styela clava</i>	Leathery sea squirt	tunicate (Urochordata)
<i>Didemnum vexillum</i>	Carpet sea squirt	tunicate (Urochordata)
<i>Lithobates catesbeianus</i>	American bullfrog	amphibian
<i>Xenopus laevis</i>	African clawed toad	amphibian
<i>Pelophylax ridibundus</i>	Marsh frog	amphibian
<i>Alytes obstetricans</i>	Midwife toad	amphibian
<i>Neovison vison</i>	American mink	terrestrial mammal
<i>Oxyura jamaicensis</i>	Ruddy duck	Bird
<i>Trachemys scripta</i>	Red-eared terrapin	reptile
<i>Chaetogammarus ischnus</i>	ponto-caspian species	crustacean
<i>Chaetogammarus warpachowskyi</i>	ponto-caspian species	crustacean
<i>Chelicorophium curvispinum</i>	ponto-caspian species	crustacean
<i>Chelicorophium robustum</i>	ponto-caspian species	crustacean
<i>Dikerogammarus bispinosus</i>	ponto-caspian species	crustacean
<i>Dikerogammarus haemobaphes</i>	ponto-caspian species	crustacean
<i>Echinogammarus trichiatus</i>	ponto-caspian species	crustacean
<i>Jaera istri</i>	ponto-caspian species	crustacean
<i>Obesogammarus obesus</i>	ponto-caspian species	crustacean
<i>Pontogammarus robustoides</i>	ponto-caspian species	crustacean
<i>Cercopagis pengoi</i>	Cladocera	crustacean
<i>Corophium sowinsky</i>	Amphipoda	crustacean
<i>Katamysis warpachowskyi</i>	Mysidacea	crustacean
<i>Limnomysis benedeni</i>	Mysidacea	crustacean
<i>Paramysis intermedia</i>	Mysidacea	crustacean
<i>Paramysis lacustris</i>	Mysidacea	crustacean
<i>Paramysis ullskyi</i>	Mysidacea	crustacean
<i>Pontogammarus crassus</i>	Amphipoda	crustacean
<i>Dreissena rostriformis bugensis</i>	Mollusca	Molluscs
<i>Neogobius melanostomus</i>	Round Goby	bony fish (Actinopterygii)
<i>Neogobius gymnotrachelus</i>	Racer Goby	bony fish (Actinopterygii)
<i>Proterorhinus marmoratus</i>	Tubenose Goby	bony fish (Actinopterygii)

Specific Name	Common Name	Group
American mink	Neovison vison	
Hypania invalida	ponto-caspian species	
Orconectes virilis	Virile crayfish	
Carassius auratus	Goldfish	
Cyprinus carpio	Common carp	
Urosalpinx cinerea	American oyster drill	
Ficopomatus enigmaticus	Marine tubeworm	
Rhododendron ponticum	Rhododendron	
Ludwigia palustris x repens	Hybrid primrose	

Appendix 4 Using LERN interactive PDFs