

30A



30B



### 30 Pigsties: national examples

Pigsties have few regionally distinct features other than their building materials (A North Yorkshire Moors and Cleveland Hills). Most have a small yard attached to the shelter (B Arden) and they may have hatches and chutes for feeding, whilst some form part of a larger range of buildings. Some pigsties are combined with poultry housing (C South East Northumberland Coastal Plain). Generally these buildings are extremely vulnerable to neglect as they offer little opportunity for other uses.

A © Jen Deadman; B © Peter Gaskell;

C © English Heritage / Michael Williams

30C



dedicated housing. Pigs were most commonly kept in dairying areas or market-gardening areas, such as the Fens, where whey or potatoes were available for feed. The only requirements for special accommodation were for farrowing, final fattening and accommodation of the boar. On most farms only a few pigs were kept for domestic use and here they were normally fed on kitchen scraps or whey (a by-product of dairying) and so sties were often placed near the kitchen or dairy. Sometimes they were also integrated into the planning of the farmyard, commonly on larger farms where commercial fattening was practised. Any pre-19th-century examples are of great rarity.

Characteristic features of pigsties are:

- Single-storey structures, with a gable entry to a first-floor hen house where lofts occur.
- Low entrances.
- Individual yards in some regions.
- Their construction in rows of three or more small and unlit boxes, often with a chute through the front wall into the feeding trough down which the swill could be thrown.
- A small chimneystack, marking the position of a boiler house for boiling swill for pig feed. These are most commonly found where pigs were kept on a commercial scale.

Imported feed sustained the growth of the pig industry

in the inter-war period, more specialist producers taking the Danish or Scandinavian system as a model for the industrial housing of pigs. The American battery system of housing poultry was used for pigs from the late 1920s.

## 7.4.2 PIG HOUSING IN THE EAST MIDLANDS

Pigs were not kept on a commercial scale except in dairying or market-gardening areas such as the fens, where whey or potatoes were available for feed. The parish crop returns show that a substantial number of pigs were kept in the Lincolnshire parishes studied by the RCHME, but little accommodation was provided for them and that there was mostly dated from the late 19th century. They were probably kept in the fields or with the cattle in the yards. The only requirements for purpose-built accommodation were for farrowing and for the piglets, for the boar and for the final fattening. The Lincolnshire examples of pigsties often formed parts of ranges around the cattle yard, with the pigs having direct access from the cattle yard to their own small yard attached. Some examples were associated with housing for fowl (Barnwell & Giles 1997, p.62). On most farms the sties were placed near the house or beside the dairy.

## 7.5 SHEEP HOUSING

### 7.5.1 NATIONAL OVERVIEW

The great importance of sheep farming to many areas of the country is not reflected in surviving farm buildings. In

medieval times it was common practice to provide sheep houses, or berceries, even in the south of England. Apart from possible medieval timber-framed sheepcotes in Hampshire (Lewis et al 1988, p.113–15) there is only earthwork evidence for these buildings, but documentary sources show that in Gloucestershire at least they ranged from between eight and eighteen bays (Dyer 1995, p.149). Barns, when empty, were sometimes used for shearing and sorting the wool.

In Cumbria and elsewhere in northern England a building similar in appearance to a field barn was provided for the hogs or yearling sheep to give them protection over their first winter. Low floor-to-ceiling heights and upper-floor haylofts are characteristic features of these buildings. The low ceiling to the ground floor below a hayloft is the characteristic feature of hogg houses. Sheep housing in other areas is associated with outfarms, such as on the southern downlands.

Before the adoption of enclosures of rough grazing in upland areas sheep were kept on both the low-lying commons and high moors to which nearly all farmers had access. The only times of year when all the sheep would be gathered together was for shearing and salving and dipping. Salving involved the boiling of Stockholm tar and tallow to make a mixture that was smeared all over the coat to protect against lice and scab as well as keep the fleece waterproof through the harsh winter. The practice of salving was carried out until the introduction of compulsory dipping as protection from scab in the early 20th century and very few of the sheds used for salving survive. As well as salving, sheep were also washed or dipped. Sheep washing was often carried out in ponds or streams where the watercourse might be artificially deepened or walled or, more unusually, sheep were dipped in specially constructed tanks. Enclosures funnelled towards the water's edge have been found. In areas where watermeadows were a feature of the landscape sheep dips are sometimes found built in to the system of leats and sluices.

## 7.5.2 SHEEP HOUSING IN THE EAST MIDLANDS

As is typical for much of southern and central England, sheep were rarely provided with buildings, even in the Pennine upland areas of the Region, in contrast to the Regions to the north where isolated hogg houses were built in the fields. Although there are few identified sheep houses in the East Midlands Region it is likely that most are associated with outfarms or field barns.

## 7.6 DOVES AND POULTRY

### 7.6.1 NATIONAL OVERVIEW (Figures 31 & 32)

The construction of a dovecote indicated the status of the owner, as in the medieval period the keeping of doves or pigeons was usually restricted as a manorial

right. The birds provided fresh meat and eggs as a supplement to the already varied diets of wealthier people, while the manure was also valued (see McCann 1991). As a consequence, dovecotes were often the object of considerable display and decoration, and commonly associated with gentrified or manorial farms.

Dovecotes are usually square or circular towers with pyramidal or conical roofs, but a number of varying forms have been found, including tun-bellied dovecotes (where the walls bulge outward slightly before tapering upward) and beehive dovecotes with corbelled stone roofs. There are also lectern dovecotes, which are square or rectangular with a mono-pitch roof, and a small number of octagonal dovecotes that are usually of 18th- or 19th-century date. Externally, perching or sunning ledges formed either in stone, brick or timber have been found. Later dovecotes often incorporated other functions such as granaries or stables. As the keeping of pigeons became more widespread, nesting boxes were incorporated into other farmyard buildings, for example the gable ends of barns.

Internally the walls were lined with nest boxes. In the earliest examples the nest boxes were sometimes formed in the thickness of the wall but usually they were in stone, brick or wood. Dovecote doorways were low to discourage the birds from flying out and often a potence, a central pivoted post with arms supporting a revolving ladder, provided access to the nest boxes for collection of the squabs and eggs. Surviving internal fittings are of great rarity, notably potencies and nest boxes (especially the removable wooden types).

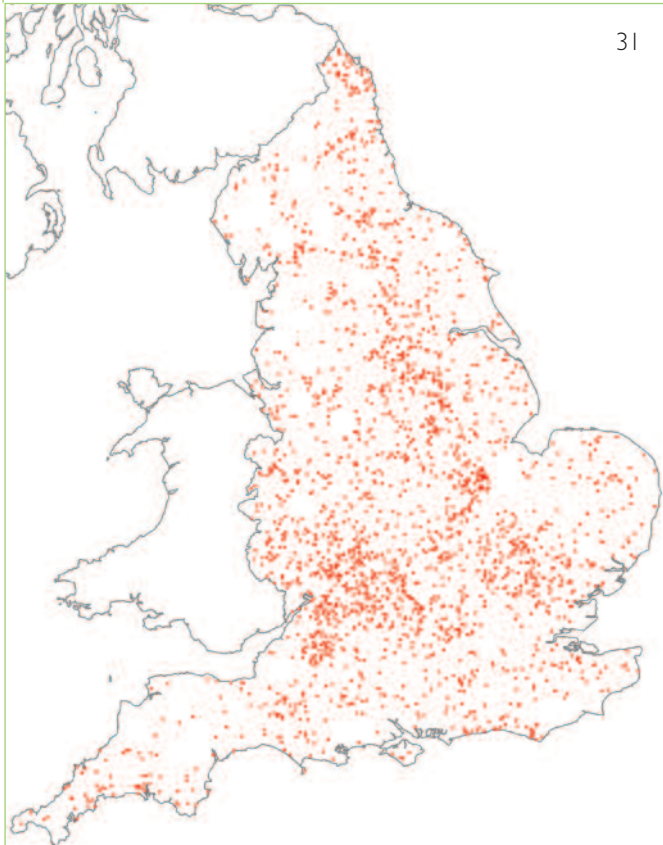
Studies have shown that the distribution of dovecotes may in part be affected by the robustness of the building material. For example, a study of Gloucestershire dovecotes suggests that the brick or timber-framed dovecotes typical of the Vale of Gloucester have fared less well than the stone-built examples of the Cotswolds. At the time of the Gloucestershire survey the author noted that the surviving dovecotes of the Vale were in noticeably poorer condition (Ariss 1992, p.14).

During the 17th and early 18th centuries the restrictions on keeping doves were lifted and small-scale accommodation for doves can be found built into other farm buildings. However, as cereal prices rose and improved methods of farming were adopted the popularity of pigeons declined. Investigation of a farmstead should include a search for small groups of nest boxes, which may be tucked away at the top of a gable or over a gateway.

Poultry keeping was usually the preserve of the farmer's wife and so the hen house was usually close to the farmhouse. This location was also chosen because



31 Distribution of listed dovecotes in England. This distribution includes both free-standing dovecotes and dovecotes that are incorporated into other buildings. Although dovecotes are found in all Regions, their concentration within Roberts and Wrathmell's Central Province, from Gloucestershire to Northumberland and extending into north Oxfordshire, is notable. Within this area manorial control was strongest and the higher numbers of dovecotes may reflect this. There is a concentration of dovecotes in Nottinghamshire.  
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32 Buildings for birds in England

A A The corbelled stone roof of this beehive dovecote is a distinctive method of construction that is only found in the south-west and north-east parts of England. (Cornish Killas)

B Medieval circular dovecote. Note the low doorway. (Dorset Downs and Cranborne Chase)

A © Eric Berry; B © Bob Edwards

(continued overleaf)



32A



32B

poultry were often fed on kitchen scraps and looked after from the farmhouse. 'Accommodation for poultry is a modest, though necessary adjunct to all farm homesteads. The busy farmer himself pays little attention as a rule to the feathered tribe, but a thrifty wife knows too well the profit attached to them,' (Clarke 1899, p.172). Geese could be housed in free-standing pens or alcoves in farmyard walls. Hens usually ran freely about a farmyard, but were encouraged to nest safely away from predators and so that the eggs could be collected. Hen houses usually included a small pop hole for the hens as well as a full-sized door for human access for feeding and egg-collection. The walls were lined with nest boxes. As is still the case, hen houses were usually relatively short-lived buildings and there are few survivals that can be described as historic. Where historic examples do survive they usually form part of another building, such as a pig house: it was thought the chickens would keep the pigs warm and the pigs would frighten foxes away. The combination of a hen house located above a pig house was described as a pouliggery in some areas (for example in North Shropshire and Northumberland). These could be associated with a boiler house with a chimney for feed preparation.

### 7.6.2 DOVES AND POULTRY IN THE EAST MIDLANDS (Figure 32)

Dovecotes are found in all Regions of the country but their distribution is not even. Within the East Midlands Region concentrations of listed dovecotes are found in south-west Lincolnshire, north-east Leicestershire and in Nottinghamshire. The dovecotes of the Region include medieval examples and those built in the 19th century often as a decorative feature in a planned range, and usually form part of another



32C



32 Buildings for birds in England (continued)

- C Square brick-built dovecote with the date 1715 formed by bricks of a contrasting colour: (Leicestershire Vales)
  - D Seventeenth-century timber-framed dovecote. Internally the nest boxes of this building are made from stone rubble, but wooden nest boxes and, in the East of England Region, clay bats forming the nest boxes are also found. (Herefordshire Lowlands)
  - E Octagonal brick dovecote dating from the 18th century. (Herefordshire Lowlands)
  - F Nest boxes incorporated into the gable end of a barn. The construction of nest boxes into the walls of other buildings was commonplace during the 18th and 19th centuries. (Cotswolds)
  - G Hen house built over a pigsty. Probably late 19th century. (Vale of York)
  - H Goose pen built against a farmyard boundary wall. (Herefordshire Plateau)
- C © Susanna Wade Martins; D 149817 Taken as part of the Images of England project © Mr Chris Tresise; E, F & H © Bob Edwards; F & G © Jen Deadman

32D



32F

32E



32G



32H



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building such as a stable or granary (Wade Martins 2002, p.143). Generally, their construction and style do not differ from the national picture, although in Nottinghamshire a rare mud-built dovecote survives (Severn 1986, p.10).

Historic hen houses are relatively rare survivals. At Moat Farm, Newton, Lincolnshire, the hen house was above the piggery (known as a poultiggery). The hens entered through a small hole and there was also a full-sized door for feeding and egg-collection. Inside, the walls were lined with nest boxes (Barnwell & Giles 1997, pp.62, 64).



# 8.0 Key Building Types: Other Farmstead Buildings

## 8.1 OUTFARMS AND FIELD BARNES

### 8.1.1 NATIONAL OVERVIEW

Field barns and outfarms, sometimes with a cottage beside them, can be prominent landscape features. Outfarms were usually created on larger farms or in areas where the farmsteads remained in the villages after enclosure, resulting in some fields being distant from the main farmstead. These complexes usually took the form of a yard that was often fully or partly enclosed by buildings. The outfarm saved on labour in that the harvested crop from the surrounding fields did not have to be carried back to the farmstead, and its straw turned into manure which, in turn, did not have to be carted back out to the distant fields.

Field barns were built in areas where farmsteads and fields were sited at a long distance from each other or where fields were interspersed with the land of other farms. Isolated field barns, cow houses and sheep houses are documented from the medieval period in upland areas (Le Patourel in Miller 1991, p.865). In some cases, such as the Craven Dales of Yorkshire or in the South Hams of Devon, they could be multi-functional buildings

for cattle, corn and hay. The small and numerous field barns of the North Yorkshire Dales were built for a specialist dairy industry. In arable areas they were often simply threshing barns, which after 1770 were a typical part of outfarm groups.

Field barns and outfarms have always been vulnerable to dereliction once redundant. The widespread introduction of artificial fertilisers, bale silage production and the centralisation of farming activities are key factors in the abandonment and dereliction of field barns and outfarms.

### 8.1.2 OUTFARMS AND FIELD BARNES IN THE EAST MIDLANDS (Figure 33)

Outfarms are found throughout the Region, and are particularly common in areas of large-scale post-1750 enclosure – such as the Lincolnshire Wolds, the Kesteven Uplands and the Northamptonshire Uplands.

Field barns were found in the Peak District and other Pennine upland and fringe areas where small stone buildings providing haylofts above and livestock accommodation below were to be found in the corners

33 Outfarms and field barns in the East Midlands Region  
Outfarms and field barns were once commonplace in parts of the Region. In the upland areas of Derbyshire small field barns provided accommodation for cattle with a hayloft over (A Dark Peak; B Derbyshire Peak Fringe and Lower Derwent). In arable areas where farmsteads remained in the villages after enclosure, outfarms with a threshing barn and a stockyard were built within the new enclosures away from the village in the later 18th and 19th centuries. (Northamptonshire Vales)  
A © Susanna Wade Martins; B 393535 Taken as part of the Images of England project © Mr Jim Charlton; C 233704 Taken as part of the Images of England project © Mr Roger Ashley



33A



33B



33C

of many fields. Unlike the field barns within the northern part of the Pennines, Derbyshire field barns were typically set on a flat site rather than built into a slope (Brunskill 1987, p.156). They date from the late 18th and 19th centuries, and in the White Peak are clustered in areas of intensive lead mining, such as around Winster and Bonstall, and around the market centres of Bakewell and Alstonefield (Barnatt & Smith 2004, pp.99–100).

## **8.2 MINOR AND MISCELLANEOUS BUILDINGS**

### **8.2.1 NATIONAL OVERVIEW**

A range of other, smaller, buildings have also been found in a farmstead. Every farmyard would have had a water supply, either a pond, a nearby stream or a well, which could be enclosed in a well house. Fast-flowing water would also be used (see 6.0) to process grain into flour and wool into textiles, although evidence for mills or

loom shops is very rare on surviving farms. Fuel for heating, in the form of timber or turf, would also be kept close to the house; specialist houses for peat, such as in Eskdale (Cumbria) are very rare. Some farmyards had recesses in the walls called bee boles to house a straw skep beehive. Occasionally a farm had its own slaughterhouse but many of these buildings do not have any characteristic external features, although internal features often included a higher ceiling and possibly a wheel to raise carcasses. Detached structures or rooms with chimneystacks served a diversity of functions: boil houses for animal (usually pig) feed; smithies (most frequently found on large farms, and located close to cart sheds); or washhouses. Farm dogs were often accommodated beneath the flights of steps that led up to lofts. Kennels for hunting dogs are found in hunting areas and are typically low, single-storey buildings similar to pigsties, with attached individual yards enclosed by metal railings.

## 9.0 Glossary

- Aisled barn** A barn in which increased width was obtained through the use of aisles – narrow extensions along one or more sides or ends of the barn. A series of posts stand in the place where the walls of an unaisled building would run. The roof is carried on beyond the line of the aisle posts so the height of the walls is reduced and the visual mass of the roof increased.
- Allotment** An area of land allotted to a farmer, often at the time of enclosure. The word changes meaning in the later 19th century to mean 'land allotted to villagers for growing their own fruit and vegetables'.
- Arable** Land cultivated for the growth of crops.
- Bank barn** A combination barn of usually two storeys. Through constructing the barn against a bank, both floors can be entered from ground level. Typically bank barns have a threshing barn, sometimes with a granary and hayloft, and over housing for cattle. The ground floor may be open-fronted or enclosed. Bank barns are characteristic of the Lakeland area of the North West Region and parts of Devon, Somerset and Cornwall in the South West Region. They could be placed across the slope or along the slope, the latter having the lower floor often accessed from doors close to or in one gable end.
- Barn** A building for the storage and processing of grain crops, and for housing straw. See also Combination barn.
- Berceries (sheep houses)** Medieval name for sheep houses – shelters provided for sheep usually in areas of grazing away from the farmstead.
- Byre** (see **shippon** and **hovel**) Dialect term for cow house, commonly used in Yorkshire and the North East.
- Cart shed** A building for housing carts and farm implements. Cart sheds are usually open-fronted buildings sited close to a road or track into the farmstead. One bay of a cart shed may be portioned off and provided with doors to create a secure storage area for smaller implements. In many areas cart sheds are combined with first-floor granaries.
- Catch meadow system** Similar to watermeadows. A system of drains cut along a hillside and made to overflow on to the pasture below in winter, encouraging the early growth of grass. Also known as field gutter systems.
- Chaff box/chaff house** Storage for the chaff, or outer husks of crops, a typical by-product of threshing. Chaff was used as fodder for horses.
- Cider house** A building for the milling and pressing of cider, found in the South West and the West Midlands. It usually forms part of a combination range, and is marked by a wide doorway.
- Cob** A term used for earth-walled buildings in the south and west of England. Cob buildings are heavily concentrated in Devon and Dorset and are also found in Wiltshire.
- Combed wheat reed** A method of thatching in which all the straw is laid in the same direction with butts down. The stems of the straw are not bruised or crushed as with longstraw. The finished roof resembles reed thatch rather than longstraw.
- Combination barn** A barn that also housed cattle or horses, and sometimes other functions such as cart sheds and granaries. Combination barns can be two-storey or single-storey buildings. They include bank barns.
- Convertible husbandry** A system whereby some fields were brought into arable cultivation for a short period – usually until the soil was exhausted – and then returned to pasture for a number of years. This system was commonly found in upland areas of the country.
- Coping** Usually flat stones but sometimes bricks laid on the top of a wall to prevent water getting into the core of the wall: for example, on the top of a gable wall of a building where the roofing material abuts the gable wall rather than covers it.
- Covered yard** A cattle yard that is fully covered by a roof – the aims of which were to protect the nutrients in the manure collecting in the yard from being washed away by the rain and to provide an environment where cattle would fatten more quickly.
- Cow house** An enclosed building for cattle in which the animals are normally tethered in stalls.
- Cruck, Raised cruck, Jointed cruck** A pair of curved timbers, usually halved from the same tree trunk, that form an A-frame extending from the ground to the apex of the roof. A raised cruck has the feet of the crucks raised off the ground, usually embedded in a masonry wall. Jointed crucks are individual cruck blades formed by two timbers joined together.
- Dairy** A building, or more often a room within the farmhouse, where milk was processed to make cheese and butter.
- Daub** A mixture of clay and straw applied to wattle infill of timber-framing to make a wall.
- Demesne farm** A manorial farm managed directly as opposed to land within the manor farmed by tenants.
- Dipping** The washing of sheep by immersing them in water.
- Dispersed settlement** Settlement consisting of scattered, isolated farmsteads and small hamlets. Dispersed settlement is the predominant settlement form over much of western parts of England, and an area extending from East Anglia to the South East.
- Dovecote** A building, or part of a building, providing nest boxes for pigeons or doves.



- Downland** The higher land of the chalk areas of the country. These areas typically had a poor, thin soil and were the preserve of sheep which grazed on the extensive, unenclosed areas. This form of management suppressed the growth of scrub and allowed a rich flora to establish.
- Dutch barn** Now used to describe an iron-framed, open-fronted building for the shelter of hay or corn. They typically date from the late 19th to the mid-20th centuries.
- Enclosure Enclosed land.** Enclosure of land may have occurred at an early date – possibly medieval and in a few rare cases in the prehistoric period. In other areas open fields or common land was enclosed either by agreement or, in the 18th and 19th centuries, by act of parliament.
- Fallow land** Land left uncultivated, allowing it to rest. In a 3-field open field system one field was left fallow by rotation each year.
- Farmstead** The homestead of a farm where the farmhouse and some or all of the farm buildings are located.
- Fatstock** Farm animals reared for meat.
- Field Barn** A building set within the fields away from the main farmstead, typically in areas where farmsteads and fields were sited at a long distance from each other. Field barns are often combination buildings providing storage for hay or straw and shelter for animals.
- Flail** An implement comprising two linked wooden sticks used to beat grain from the ear (see Thrashing).
- Granary** A building for storing grain before it has been milled. Granaries are usually at first-floor level to prevent rodents and damp damaging the grain. They could be free-standing structures or be an enclosed upper floor above a cart shed or stable.
- Grange** A farmstead belonging to and run by a monastic house.
- Grazier** A person who farms grazing animals, typically for meat or wool.
- Half-hipped roof** A roof in which the gable wall rises above the height of the eaves but does not extend to the apex. The upper part of the gable has a short sloping roof with rafters lying axially (in the same line of the orientation of the building). In a fully hipped roof, axial rafters are of the same length as the rafters of the main roof slopes.
- Hay barn** A structure to shelter but ensure the adequate ventilation of hay. They are typically open-sided structures with roofs supported on high brick, stone, timber or iron piers.
- Hay loft** Storage for hay above cart shed or stables.
- Hayrack** A rack made of wood and from the later 19th century often made in iron, in which hay could be placed to be eaten by cattle, horses or sheep.
- Hemmels** Small open-fronted cattle shelters with their own yards, mostly found in the North East.
- Hipped roof** A roof with slopes at the gable ends of equal or similar length to the side slopes. The gable walls do not rise up to the apex but are of similar height to the side walls. The top ends of the rafters that do not extend to the ridge are carried on a hip rafter.
- Hit-and-miss timber boarding** (also called **Yorkshire boarding**) Usually vertical boarding forming a wall to animal housing which has gaps between the boards to provide ventilation for the animals.
- Holding** A farm.
- Hovel** A dialect term for cow house, formerly common in parts of the Midlands and central southern England.
- Hurdle work** Hurdles, usually made from hazel or another pliable wood woven to form fence panels, were arranged to form temporary enclosure for animals, especially sheep.
- Husbandry** Farming, the management of the production of crops and animals.
- Infield-outfield system** A type of agriculture practised in pastoral (usually upland) areas, where the fields closest to the farmstead or settlement were the most intensively cropped and animals were only permitted to graze after the hay or corn crop was cut. Beyond was rough grazing for sheep and cattle, which was occasionally ploughed for corn.
- Kneeler** A stone, often shaped, which supports the stone coping to the gable end.
- Laithe house** A linear range of one construction comprising a farmhouse with attached barn and usually a stable. There is no internal link between the house and the agricultural element of the range. Laithe houses are usually associated with small part-time farmers who were often involved in the textile industries of the Pennines.
- Lean-to** A building, usually a later addition, which is constructed against the side of a larger building. Lean-tos typically have a mono-pitch roof.
- Lias** A form of limestone, typically split into thin pieces.
- Linear farmstead** A farmstead where the farmhouse and agricultural buildings are ranged in a line, usually attached to each other.
- Linhay** Two-storeyed building with open-fronted cattle shelter with an open-fronted hay loft or tallet above characteristic of Devon and south Somerset. The tallet may be constructed as a conventional floor or simply created from poles. Historically the term linhay was used to refer to a wider range of buildings including field barns.
- Loosebox** An individual cubicle for housing fatstock, found in the form of lean-tos attached to barns or other buildings, or as continuous ranges with an optional central or rear feeding passage.
- Longhouse** A building that housed humans and cattle under one roof and in which there was direct access from the accommodation into the byre. The byre was always built down-slope from the accommodation.

Originally animals and humans used the same entrance but as living standards changed the animals were often provided with separate access.

- Longstraw** Term used to describe a thatching method where the ears and butts of the straw are mixed. The stems of the straw are bruised and crushed and the result is a generally looser coat than combed wheat reed or water reed. The appearance of the roof is quite different from combed wheat reed and water reed, with a much thicker covering of straw.
- Manger** An open trough in a stable or cowshed from which horses or cattle could eat.
- Mass-walled building** Buildings where the walls are constructed of solid materials such as stone, earth or brick as opposed to timber-framed walling.
- Meadow** A field maintained for providing grass for grazing and for making hay.
- Midstrey** Term used in southern England and East Anglia for the projecting porch to a threshing barn.
- Nucleated settlement** Settlement pattern consisting mainly of villages with relatively few isolated farmsteads or hamlets.
- Oast house** A building in which hops are dried.
- Oolite** An easily worked form of limestone from the Jurassic period.
- Open-field system** A system in which farmland was held in common with the strips of individual farmers intermixed across several fields. Open-field systems rarely had hedges between strips or fields. Over time the strips were usually consolidated and eventually enclosed. Enclosure of open fields results in characteristic field patterns where the boundaries form an elongated reversed 'S'.
- Outfarm** A barn with animal accommodation either within the barn or separately, located away from the main farmstead, which avoided transporting straw and manure to and from distant fields.
- Outshot** See Lean-to.
- Pantiles** Clay roofing tiles with a wavy profile. Originated in Holland and became popular along the north-east coast. Also made in Somerset.
- Pastoral farming** Farming system based predominantly on the rearing or fattening of stock. Pastoral areas are usually predominantly grassland but in some areas arable cultivation was also important, providing fodder crops for the animals as well as corn crops for domestic use.
- Pasture/pasturage** Grazing land.
- Piecemeal enclosure** The enclosure of areas of land field by field, possibly through assarting, as opposed to the wholesale enclosure of large tracts of land and the creation of large field systems.
- Pigsty** A small building for housing pigs. Typically built as individual boxes, individually or in rows and with external feeding chutes. They were often built with their own individual yards.

- Pilaster** An ornamental rectangular column projecting from a wall.
- Portal-framed shed** Mass-produced iron-framed shed usually clad in metal sheeting.
- Poultiggery** A building combining a pigsty at ground level with a poultry house in a loft above.
- Processing room** A room in a farmstead where fodder for animals would be prepared, usually with the aid of machinery such as chaff cutters, cake breakers and root crushers.
- Quoin** The stones or brickwork set at the corner of a building. Where poor-quality building stone was used it was difficult to form corners to a building so the quoins would be made out of bricks or a better quality stone that could be worked square.
- Rickyard** A yard, usually sited close to the barn, in which the harvested corn crops could be stored in ricks to await threshing. The ricks would be built on raised platforms to protect the grain from rodents and thatched to protect from rain.
- Ridge and furrow** Long, parallel ridges of soil separated by linear depressions, caused by repeated ploughing using a heavy plough.
- Ring-fenced** A term to describe a farm in which all the fields are held in a compact block as opposed to being intermixed with the fields of other farmers.
- Root and fodder stores** Room often located close to or incorporated within the cattle housing.
- Salving** The rubbing of a tar-based mix into sheep, in order to guard against ticks, etc.
- Shelter sheds** Open-fronted structures for cattle facing on to cattle yards.
- Shippon** A dialect term for cow house, commonly used in the North West and the South West peninsula.
- Silage clamp** An airtight container for the storage of freshly cut grass.
- Stable** A building for housing horses or working oxen.
- Staddle barn** Threshing barn, usually timber framed and raised on staddle stones. Staddle barns date from the later 18th and early 19th centuries and may be an attempt to counter the greater predation of the brown rat.
- Staddle stone** Staddle stones usually comprise two stones: an upright column that is capped by a circular stone of larger diameter, typically with a rounded top, together forming a mushroom shape. Staddle stones prevented rodents climbing up into granaries, ricks and staddle barns.
- Stall** A standing for a cow or horse within a byre or stable. Stalls are usually divided by wooden or stone partitions to prevent animals biting and kicking each other.
- Thrashing (or Threshing)** The removal of grain from the ears of corn crops. Threshing by hand involved hitting the ears with a flail.
- Threshing barn** See barn.
- Tillage** The tending of land to prepare it for a crop.



**Tithe** A payment of a tenth of crops and produce paid to the Rector of the church for his maintenance. Payment in kind was generally changed to a cash payment in the mid-19th century although this occurred earlier in some parishes.

**Topography** The features of the landscape; its hills, rivers, roads, woods and settlement.

**Vaccary** A stock farm for cattle. Most vaccaries are of 12th- or 13th-century origin, and were built for ecclesiastical or lay lords. They are concentrated in the Pennines.

**Watermeadow** A valley-floor meadow that was subject to controlled flooding using a system of drains and sluices to encourage early grass growth, providing spring food for sheep. The flooding brought nutrients on to the land, improving hay crops. Watermeadows

were first developed in the West Midlands but became a characteristic feature of the chalk river valleys of Wessex.

**Wattle** An interwoven panel usually made from hazel used to infill timber framing. Wattle could be covered in daub or left uncovered if more ventilation was required.

**Wheel house** A structure which housed a horse-engine for powering threshing machinery, and typically found projecting from barns. Also known as a gin gang in northern England.

**Winnowing** The separation of grain from the chaff, usually achieved by throwing the grain into the air and using the wind to blow the lighter chaff away from the grain.

**Yorkshire boarding** See Hit-and-miss boarding.

# 10.0 Sources

## 10.1 GENERAL SOURCES

The great barns of the medieval period were the first farm buildings to attract the attention of artists and antiquarians, from the 18th century. In the early 20th century this interest broadened out to studies of other iconic building types, such as Arthur Cooke's *A Book of Dovecotes* (1920), and their inclusion in the famous regional landscape studies published by Batsford (*The Face of Britain*). A milestone in the serious academic study of the subject was the publication of a regional study by J.E.C. Peters (1969), which was followed a year later by Nigel Harvey's inspirational general history of the subject (1970, 2nd edition 1984). Peters has usefully summarised his work in a booklet (1981, 2nd edition 2003) and studies examining farm buildings in their broader national and regional contexts have been taken forward by Brunskill (1982, revised 1987), Darley (1981), Lake (1989) and Wade Martins (1991). Individual studies

have been published in the journal of *The Historic Farm Buildings Group*, founded in 1985. A major project by the Royal Commission for Historical Monuments in England, which targeted sample areas for recording, was published in 1997 (Barnwell & Giles 1997). There are a small number of county-wide studies, for example in Kent (Wade in Giles & Wade Martins 1994, pp.26–27) and Surrey (Gray 1998).

Despite an increasing level of interest in historic farm buildings, some of the smaller, less impressive building types have not been subject to the level of study and research that buildings such as barns have received. Therefore there is a limited understanding of the regional variations that may be encountered. As a consequence, the National Overview texts provided in this document for farmstead and building types are sometimes longer than their regional summaries.

There are a number of sources that provide a good overview of agricultural history and the development of farm buildings including:

The Board of Agriculture *General View of the County of...*, published from 1795 to 1814 describe the state of agriculture in individual counties at the time. They often include a map of agricultural regions and a section of farm buildings. They are inevitably biased towards the large, publicity-conscious and 'improving' farmers and estates.

County *Directories* from the second half of the 19th century often include essays on different aspects of the county, such as agriculture.

The British Association for the Advancement of Science published regional studies to coincide with the venues of their annual meetings in the 1950s and '60s. Many contain useful chapters on geology and agriculture.

The various volumes of *The Agrarian History of England and Wales* (Collins, Hallam, Thirsk, Miller, Mingay, Whetham) include essays by leading scholars.

James Caird (1852) *English Agriculture in 1851–2* is a collection of county essays written for *The Times*.

Haggard R. (1902) *Rural England* describes English agriculture county by county.

Hall, A.D. (1913) *A Pilgrimage of British Farming* describes farming in various counties in 1913.

The *Journal of the Royal Agricultural Society* has prize and regional essays on farming and farm buildings, especially useful for the mid- and late 19th century.

The *Victoria County Histories* are of variable use. The more recent volumes contain chapters on agricultural history and buildings.

The *Vernacular Architecture Group* has produced, besides its journal, a comprehensive national and regional bibliography (see Hall, Michelmores and Pattison for reference).

Barnwell, P.S. & Giles, C. (1997) *English Farmsteads 1750–1914* contains a short general introduction, a general concluding chapter and regional studies from west Berkshire, south Lincolnshire, north Northumberland, east Cornwall and central Cheshire.

Brunskill, R.W. (1982) *Traditional Farm Buildings of Britain* gives a very useful farming and building overview.

Darley, G. (1981) *The National Trust Book of the Farm* contains a general introduction followed by regional studies.

The revised Pevsner's *Buildings of England*, published county by county, often have useful introductions on landscape regions and building types.

Many county archaeological and historical journals include relevant articles. National journals of particular interest include those of the following societies:

British Agricultural History Society  
Historic Farm Buildings Group  
Local Historian



Society for Medieval Archaeology  
Society for Post-Medieval Archaeology  
Rural History  
Society of Architectural Historians  
Society for Landscape Studies  
Vernacular Architecture Group

## 10.2 NATIONAL BIBLIOGRAPHY

- Airs, M. (1983) 'Hovels or Helms; some further evidence from the 17th century', *Vernacular Architecture*: **14**: pp.50–51
- Aitkens, P. & Wade-Martins, S. (1999) 'The farmsteads of Suffolk', *Journal of the Historic Farm Buildings Group* **13**: pp.1–17
- Alcock, N.W. (1981) *Cruck Construction*, CBA Research Report **42**: Council for British Archaeology, York
- Alcock, N.W. (2003) *Documenting the History of Houses*, British Records Association, London
- Alcock, N.W., M.W. Barley, P.W. Dixon, & R.A. Meeson (1996) *Recording Timber-framed Buildings: an illustrated Glossary*, CBA, York
- Allen, R.C. (1991) 'The two Agricultural Revolutions, 1459–1850', in Campbell, B. & M. Overton, *Land, Labour & Livestock*, Manchester University Press, Manchester
- Andrews, G.H. (1852) *Agricultural Engineering 1: Buildings*, John Weale, London
- Barley, M.W. (1961) *The English Farmhouse and Cottage*, Routledge, London
- Barnwell, P.S. (1992) 'The National Farm Survey, 1941–1943', *Journal of the Historic Farm Buildings Group* **7**: pp.12–19
- Barnwell, P.S. & Giles, C. (1997) *English Farmsteads 1750–1914*, RCHME, Swindon
- Bateman, J. (1883) *The Great Landowners of Great Britain & Ireland*, Harrison, London
- Beacham, P. [Ed] (1990) *Devon Building. An introduction to local traditions*, Devon Books, Exeter
- Beckett, J.V. (1990) *The Agricultural Revolution*, Basil Blackwell, Oxford
- Belhaven, Lord (1699) *The Country-men's Rudiment, or An Advice to the Farmers of East Lothian on how to Labour and Improve their Ground*, Heirs of A. Anderson, Edinburgh
- Benoy, W.G. (1956) *Farm Buildings. Conversions and Improvements*, Ministry of Agriculture, London
- Betty, J.H. (1993) *Know the Landscape: Estates and the English Countryside*, B.T. Batsford, London
- Beresford, M. & J. Hurst (1971) *Deserted Medieval Villages*, Lutterworth, Cambridge
- Brigden, R. (1986) *Victorian Farms*, Crowood, London
- Brigden, R. (1992) 'Bucking the Trend: New Farms between the Wars', *Journal of the Historic Farm Buildings Group* **6**: pp.35–48
- Browick, T. (1862) 'On the management of a Home Farm', *Journal of the Royal Agricultural Society of England (JRASE)* **23**: pp.247–269
- Brown, J. (1987) *Agriculture in England, A Survey of Farming 1870–1947*, Manchester University Press, Manchester
- Brunskill, R.W. (1982) *Traditional Farm Buildings of Britain*, Gollancz, London
- Caffyn, L. (1983) 'A Study of Farm Buildings in Selected Parishes of East Sussex', *Sussex Archaeological Collections* **121**: pp.149–71
- Caird, J. (1852) *English Agriculture in 1850–51*, Longmans, London
- Caird, J. (1878) *The Landed Interest and the Supply of Food*, Cassell & Co, London
- Chambers, J.D. & G.E. Mingay (1966) *The Agricultural Revolution*, B.T. Batsford, London
- Clark, J., J. Darlington & G. Fairclough (2004) *Using Historic Landscape Characterisation*, English Heritage and Lancashire County Council
- Clarke, D.W. (1972) 'Pennine Aisled Barns', *Vernacular Architecture* **4**: pp.25–7
- Clarke, D.W. (1974) 'Aisled timber barns in the Pennines', *Brigantian* **3**: pp.18–20
- Clay, C. (1985) 'Landlords and Estate Management in England', in Thirsk, J. [Ed] *Agrarian History of England and Wales* **7**, Cambridge University Press, Cambridge: pp.119–251
- Cobbett, W. [Cole Ed.] (1930) *Rural Rides*, Peter Davies, London
- Collins, E.J.T, A.K. Giles & J.G. Malleson (1989) *Ernest Edward Cook and his country estates*, University of Reading, Reading
- Collins, E.J.T. (2000) *The Agrarian History of England and Wales*, Volume VII, 1850–1914, Cambridge University Press, Cambridge
- Colvin, H. (1978, 1995, 3rd ed) *Biographical Dictionary of British Architects, 1600–1840*, Yale University Press, Newhaven and London

- Colvin, H. & J. Newman [Eds.] (1981) *Of Buildings: Roger North's Writings on Architecture*, Oxford University Press, Oxford
- Copland, S. (1866) *Agriculture, Ancient and Modern*, James Virtue, London
- Curwen, J.C. (1809) *General Hints on Agricultural Subjects*, J. Johnson, London
- Darley, G. (1981) *The National Trust Book of the Farm*, Weidenfeld & Nicholson, London
- Dean, G.A. (1844) *On the Construction of Farm Buildings*, Charles Henry Knight, Worthing
- Dean, G.A. (1850) 'On the Cost of Farm Buildings', *JRASE* **11**: pp.558–73
- Dean, G.A. (1851) *The Land Steward*, Atchley & Co., London
- Dean, G.A. (1867) *Selected Designs for Country Residences, Entrance Lodges, Farm Offices, Cottages, etc.*, Charles Henry Knight, Worthing
- Dean, P. (1999) *Sir John Soane and the Country Estate*, Ashgate, Aldershot
- Denton, J.B. (1864) *The Farm Homesteads of England. A collection of plans of English homesteads existing in different parts of the country*, Chapman & Hall, London
- Denton, J.B. (1879) 'Report of the judges of the farm plans sent in for competition at the London International Exhibition, 1879', *JRASE* 2nd ser. **15**: pp.774–81
- Dyer, C. (1984) 'Evidence for Helms in Gloucestershire', *Vernacular Architecture* **15**: pp.42–5
- Dyer, C. (1986) 'English peasant building in the later Middle Ages', *Medieval Archaeology* **30**: pp.19–43
- Dyer, C. (1995) 'Sheepcotes: Evidence for Medieval Sheepfarming', *Medieval Archaeology* **39**: pp.136–64
- Dyer, C. (1997) 'History and Vernacular Architecture', *Vernacular Architecture* **28**: pp.1–8
- Edwards, B. (2005) *Farmsteads and Landscape Character in Hampshire – Pilot Project*, Unpublished report for English Heritage Forum Heritage Services
- English Heritage (1998) *Conservation-led Regeneration: the Work of English Heritage*, English Heritage, London
- English Heritage (2000) *Thatch and Thatching, a Guidance Note*, English Heritage, London
- Fox, C. (1952) *The Personality of Britain*, National Museum of Wales, Cardiff
- Fletcher, T.W. (1960–61) 'The Great Depression of English Agriculture, 1873–1896', *Economic History Review* 2nd ser. **13**: pp.417–32
- Gardiner, M. (2000) 'Vernacular Buildings and the Development of the Later Medieval Domestic Plan in England', *Medieval Archaeology* **44**: pp.159–79
- Giles, C. & S. Wade Martins [Eds] (1994) *Recording Farm Buildings*, Historic Farm Buildings Group, Norwich
- Gray, P. (1998) *Farmsteads and Farm Buildings in Surrey*, Surrey County Council
- Grey, J. (1843) 'On Farm Buildings', *Journal of the Royal Agricultural Society of England* **4**: pp.12–13
- Hallam, H.E. (1988) *The Agrarian History of England and Wales, Volume II, 1042–1350*, Cambridge University Press, Cambridge
- Hall, A.D. (1913) *A Pilgrimage of British Farming*, John Murray, London
- Hall, L. (1983) *The Rural Houses of North Avon and South Gloucestershire*, City of Bristol Museum and Art Gallery, Bristol
- Hall, R de Z. (1972) *A Bibliography of Vernacular Architecture*, David and Charles, Newton Abbot
- Hansell, P. & J. Hansell (2001) *Dovecotes*. Shire Publications, Princes Risborough
- Harris, R. (1978) *Discovering Timber-Framed Buildings*, Shire Publications, Aylesbury
- Harvey, N. (1984) *A History of Farm Buildings in England and Wales*, 2nd ed, David and Charles, Newton Abbot
- Harvey, N. (1985) *Historic Farm Building Study, Sources of Information*, ADAS, MAFF
- Hobbs, S. (ed) (2000) *Wiltshire Glebe Terriers, 1588–1827*, Wiltshire Record Society **56**
- Hooke, D. [Ed] (1985) *The Medieval Village*, Oxford University Committee for Archaeology, Oxford
- Howkins, A. (1994) 'Peasants, servants and labourers: the marginal workforce in English agriculture', *Agricultural History Review* **42**: pp.49–62
- Hudson, J. (1850) 'On the construction of farm buildings', *JRASE* **11**: pp.280–82
- Hunt, G. (1874) 'On concrete as a building material for Farm Buildings and Cottages', *JRASE* 2nd ser. **10**: pp.211–32
- Hunt, R. (1797) 'Essay on the design of farms, farm buildings, etc', *Communications to the Board of Agriculture*, Board of Agriculture, London
- Hutton, K. (1976) 'The distribution of wheel houses in the British Isles', *Agricultural History Review* **24**: pp.30–35
- Jones, E.L. (1968) *The Development of English Agriculture 1815–1873*, Macmillan, London



- Kennedy, A.T. (1988) 'The influence of wind on the orientation of threshing barns', *Vernacular Architecture* **19**: pp.19–23
- Kent, N. (1775) *Hints to Gentlemen of Landed Property*, J. Dodsley, London
- Kerridge, E. (1967) *The Agricultural Revolution*, George Allen & Unwin, London
- Lake, J. (1989) *Historic Farm Buildings*, Blandford Press, London
- Lake, J. & P. Gaskell (2002) 'Historic Farm Buildings: Audit and Evaluation'. *Conservation Bulletin* **42** (March 2002): pp.28–9
- Lake, J. & B. Edwards (2006) 'Farmsteads and Landscapes: Towards an Integrated View', *Landscapes*, **7**: pp.1–36
- Laurence, E. (1727) *The Duty of a Steward to his Lord*, John Shuckburgh, London
- Lawrence, J. (1801) *The Modern Land Steward*, Symonds, London
- Lawson, W. (1874) *Ten years of Gentleman Farming at Blennerhasset*, Longmans, London
- Loch, J. *An Account of the Improvements on the Estates of the Marquess of Stafford*, Longmans, London
- Loudon, J.C. (1831) *Encyclopedia of Agriculture*, 2nd ed, Longman Press, London
- Lucas, R. (1997) 'When Did Norfolk Cross 'The Brick Threshold'', *Vernacular Architecture* **28**: pp.68–80
- McCann, J. (1991) 'Enquiry into the Design and Use of Dovecotes', *Transactions of the Ancient Monuments Society* **35**: pp.88–162
- McCann, J. (1996) 'The Influence of Rodents on the Design and Construction of Farm Buildings in Britain to the mid-19th Century', *Journal of the Historic Farm Buildings Group* **10**: pp.1–28
- McCann, J. (2004) *Clay and Cob Buildings*, Princes Risborough, Shire Publications
- MacDonald, S. (1975) 'The progress of the early threshing machine', *Agricultural History Review* **24**: pp.63–77
- MacDonald, S. (1981) 'Model Farms' in Mingay, G.E. [Ed] *The Victorian Countryside* I, Routledge & Kegan Paul, London: pp.214–26
- Mercer, E. 'The unfulfilled wider implications of vernacular architecture studies', *Vernacular Architecture* **28**: pp.9–12
- Miller, E. (1991) *The Agrarian History of England and Wales, Volume III 1350–1500*, Cambridge University Press, Cambridge
- Mingay, G.E. (1989) *The Agrarian History of England and Wales, Volume VI 1750–1850*, Cambridge University Press, Cambridge
- Michelmores, D.J.H. (1979) *A Current Bibliography of Vernacular Architecture*, Vernacular Architecture Group
- Moir, J. (1997) 'Vernacular Architecture: Open Air Museums and the Ecological Framework', *Vernacular Architecture* **28**: pp.20–24
- Moir, J. & J. Letts (1999) *Thatch Thatching in England 1790–1940*, English Heritage Research Transactions **5**, James and James, London
- Morton, J.C. (1842) *On the Nature and Property of Soils*, 4th ed., J. Ridgeway, London
- Morton, J.C. (1855) *Cyclopedia of Agriculture*, Blackie & Sons, Glasgow
- Morton, J.C. (1863) *The Prince Consort's Farms*, Longmans, London
- Morton, J.C. (1868) 'Town Milk' in *JRASE* 2nd ser. **5**: pp.69–98
- Moscrop, W.J. (1865) 'Covered cattle yards' in *JRASE* 2nd ser. **1**: pp.88–99
- Moscrop, W.J. (1872) 'On the housing of fattening cattle', *Transactions of the Highland and Agricultural Society of Scotland* 4th ser. **4**: pp.156–165
- Moscrop, W.J. (1890) 'Covered Cattle Yards' in *JRASE* 3rd ser. **1**: pp.473–90
- Needham, S. (1984) 'Helms, hovels and belfreys: more evidence from probate inventories', *Vernacular Architecture* **15**: pp.45–6
- Ojala, E.M. (1952) *Agriculture and Economic Progress*, Oxford University Press, Oxford
- Orwin, C.S. & E.H. Wretham (1971) *History of British Agriculture, 1846–1914*, David and Charles, Newton Abbot
- Overton, M. (1996) *Agricultural Revolution in England 1500–1850*, Cambridge University Press, Cambridge
- OAU (1995) *Dovecotes, Monuments Protection Programme Step I Report*, Oxford Archaeological Unit for English Heritage
- Pattison, I.R., D.S. Pattison & N.W. Alcock (1992) *A Bibliography of Vernacular Architecture, Vol III, 1977–1989*, Vernacular Architecture Group
- Pattison, I.R., D.S. Pattison & N.W. Alcock. (1999) *A Bibliography of Vernacular Architecture, Vol III, 1990–1994*, Vernacular Architecture Group
- Perren, R. (1970) 'Landlords and Agricultural Transformation, 1870–1900', *Agricultural History Review* **18**: pp.36–51

- Perren, R. (1973) 'The Landlord and Agricultural Transformation 1870–1900' in Perry, P.J., [Ed.] *British Agriculture 1875–1914*, Methuen, London: pp.109–28
- Perry, P.J. (1974) *British Farming in the Great Depression, 1870–1914: An historical geography*, David and Charles, Newton Abbot
- Perry, P.J. (1981) 'High Farming in Victorian Britain', *Agricultural History* **55**: pp.156–65
- Peters, J.E.C. (1969) *The Development of Farm Buildings in West Lowland Staffordshire up to 1880*, Manchester University Press, Manchester
- Peters, J.E.C. (1981) *Discovering Farm Buildings*, Shire Publications, Aylesbury
- Platt, C. (1969) *The Monastic Grange in Medieval England: a reassessment*, Macmillan, London
- Rackham, O. (1972) 'Grundle House: on the quantities of timber in certain East Anglian buildings in relation to local supplies', *Vernacular Architecture* **3**: pp.3–8
- Rigold, S. (1973) 'The distribution of aisled timber barns', *Vernacular Architecture* **2**: pp.20–22
- Rippon, S., with Clark, J. (2004) *Historic Landscape Analysis: Deciphering the Countryside*, Council for British Archaeology, York
- Roberts, B.K. (1977) *Rural Settlement in Britain*, Hutchinson University Press, London.
- Roberts, B.K. *The Making of the English Village*, Batsford, London
- Roberts, B.K. (1996) *Landscapes of Settlement. Prehistory to the Present*, Routledge, London.
- Roberts, B.K. & S.Wrathmell (2000) *An Atlas of Rural Settlement in England*, English Heritage, London
- Roberts, B.K. & S.Wrathmell (2002) *Region and Place A study of English rural settlement*, English Heritage, London
- Robinson, J.M. (1983) *Georgian Model Farms*, Oxford University Press, Oxford
- Robinson, J.M. (1988) *The English Country Estate*, National Trust/Century, London
- Ryan, C. (1988) 'An Introduction to the Recording of Farm Buildings', *Journal of the Historic Farm Buildings Group* **2**: pp.56–9
- Scott, J. (1885) *Text Book of Farm Engineering: Part 4, Buildings*, Crosby Lockwood & Co., London
- Shaw, J. (1990) 'Pastures in the Sky: Scottish Tower Silos 1918–1939', *Journal of the Historic Farm Buildings Group* **4**: pp.73–91
- Sheldon, J.P. (1879) *Dairy Farming*, Cassell, London
- Sheldon, J.P. (1908) *British Dairying*, 3rd ed, Crosby Lockwood, London
- Smith, J.T. (1965) 'Timber Framed Building in England – its development and regional differences', *Archaeological Journal* **122**: pp.133–58
- Smith, P. (1975) *Houses of the Welsh Countryside*. London, HMSO
- Smith, P. (1980) 'The Architectural Personality of the British Isles' *Archaeologia Cambrensis*: pp.1–36
- Spooner, W.C & J. Elliott (1850) 'On the Construction of Farm Buildings', *JRASE* **9**: pp.270–82
- Stamp, L.D. [Ed.] (1937–44) *The Land of Britain*, Royal Geographical Society, London
- Stephens, H. (1844) *Book of the Farm*, 4th ed, W. Blackwood, London
- Sturgess, T. (1850) 'Farm Buildings', *JRASE* **11**: pp.288–99
- Taylor, C.C. (1983) *Village and Farmstead: A History of Rural Settlement in England*, George Philip, London
- Tancred, T. (1850) 'On the Construction of Farm Buildings', *JRASE* **11**: pp.192–214
- Thirsk, J. [Ed.] (1967) *The Agrarian History of England and Wales, Volume IV, 1500–1640*, Cambridge University Press, Cambridge
- Thirsk, J. [Ed.] (1984) *The Agrarian History of England and Wales, Volume Vi, 1640–1750 (Regional Farming Systems)*, Cambridge University Press, Cambridge
- Thirsk, J. [Ed.] (1985) *The Agrarian History of England and Wales, Volume Vii, 1640–1750 (Agrarian Change)*, Cambridge University Press, Cambridge
- Thirsk, J. [Ed.] (2000) *The English Rural Landscape*, Oxford University Press, Oxford
- Thirsk, J. (1987) *England's Agricultural Regions and Agricultural History, 1500–1750*, Macmillan, London
- Thompson, F.M.L. (1959) 'Agriculture since 1870', *Victoria History of the Counties of England: A History of Wiltshire* **4**, University of London, London
- Thompson, F.M.L. (1963) *English Landed Society in the 19th Century*, Routledge & Kegan Paul, London
- Turner, M. (1980) *English Parliamentary Enclosure*, Dawson, Folkestone
- Walton, J.R. (1973) *A Study in the Diffusion of Agricultural Machinery in the 19th Century*, Oxford School of Geography Research Paper No. 5
- Wade Martins, S. (1980) *A Great Estate at Work*, Cambridge University Press, Cambridge



- Wade Martins, S. (1991) *Historic Farm Buildings*, B.T.Batsford, London
- Wade Martins, S. (1995) *Farms and Fields*, B.T.Batsford, London
- Wade Martins, S. (2002) *The English Model Farm*, Windgather Press, Macclesfield
- Wade Martins, S. & T. Williamson (1999) 'The Roots of Change', *Agricultural History Review Monograph*, British Agricultural History Society, Exeter
- Waistell, C. (1827) *Designs for Agricultural Buildings*, Longmans, London
- Warren, J.W. [Ed] (1990) *Wealden Buildings*, Wealden Buildings Study Group Coach Publications, Horsham
- Whetham, E. (1978) *The Agrarian History of England and Wales, Volume VIII, 1914–1939*, Cambridge University Press, Cambridge
- Wiliam, E. (1986) *The Historical Farm Buildings of Wales*, John Donald, Edinburgh
- Wiliam, E. (1987) 'The use of barns', *Journal of the Historic Farm Buildings Group 1*: pp.16–24
- Young, A. (1764) 'Common farmers vindicated from the charges of being universally ignorant', *Museum Rusticanum 3*
- Young, A. (1770) *A Farmer's Guide to the Hiring and Stocking of Farms*, W. Strachan, London
- Young, A. (1771) *A Farmer's Tour through the North of England*, 4 vols, W. Strachan, London
- Young, A. (1784) 'A Minute of the Husbandry at Holkham by Thomas William Coke', *Annals of Agriculture 11*: p.382
- Young, A. (1793) *General View of the Agriculture of Yorkshire*, Board of Agriculture, London
- Young, A. (1804) *General View of the Agriculture of Norfolk*, Board of Agriculture, London
- Young, A. (1808) *General View of the Agriculture of Sussex*, Board of Agriculture, London
- Young, A. (1809) *General View of the Agriculture of Oxfordshire*, Board of Agriculture, London
- Young, A. (1813) *General View of the Agriculture of Suffolk*, Board of Agriculture, London

### 10.3 REGIONAL BIBLIOGRAPHY

- Barnatt, J. & K. Smith (2004) *The Peak District*, Windgather Press, Macclesfield
- Bearn, W. (1852) 'The farming of Northamptonshire', *JRASE 13*: pp.44–113
- Beastall, T. (1978) *The Agricultural Revolution in Lincolnshire.*, History of Lincolnshire Committee for the Society of Lincolnshire History and Archaeology, Lincoln
- Bennett, S. & N. Bennett [Eds] (1993) *An Historical Atlas of Lincolnshire*, University of Hull Press, Hull
- Corringham, R.W. (1845) 'The farming of Nottinghamshire', *JRASE 6*: pp.1–44
- Dury, G. (1963) *The East Midlands and the Peak*, Thomas Nelson & Sons, London
- ERDP (2002) *East Midlands Regional Chapter* [www.defra.gov.uk/erdp/docs/emchapter](http://www.defra.gov.uk/erdp/docs/emchapter)
- Fuller, H.A. (1976) 'Landownership and the Lindsey estate', *Annals of the Association of American Geographers 66, 1*: pp.14–24
- Foard, G., D.Hall & T.Partida (2005) 'Rockingham Forest, Northamptonshire: The Evolution of a Landscape', *Landscapes 6.2*: pp.1–29
- Hall, D. (1995) *The Open Fields of Northamptonshire*, Northamptonshire Record Society, Northampton
- Hey, D. (1984) 'North-west Midlands' in Thirsk, J. [Ed] *Agrarian History of England and Wales VI*: pp.129–58
- Honeybone, A. (1987) *The Vale of Belvoir*, Barracuda Books, Buckingham
- Hutton, B. (1991) *Historic Farmhouses around Derby*, Scarthin Books, Cromford
- Johnson, S.A. (1963) 'Enclosure and Changing Agricultural Landscapes in Lindsey', *Agricultural History Review 11.2*: pp.95–102
- King, E. (1991) 'The East Midlands', in Miller (Ed) (1991): pp.67–76
- Lowe, R. (1798) *General View of the Agriculture of Nottinghamshire*, Board of Agriculture, London
- MAFF (2000) *England Rural Development Programme Appendix A4, East Midland Region*
- Mills, D. R. (1959) 'Enclosure in Kesteven', *Agricultural History Review 7.2*: 82-97
- Millward, R. (1972) 'Leicestershire 1100–1800' in Pye, N. [Ed] *Leicester and its Region*: pp.235–263
- Mingay, G.E. (1984) 'The East Midlands' in Thirsk, J. [Ed] *Agrarian History of England and Wales VI*: pp.89–128

- Parkinson, R. (1813) *General View of the Agriculture of Rutland*, Board of Agriculture, London
- Pevsner, N. & E. Williamson (1978) *Buildings of England Derbyshire*, 2nd Edition, Penguin, Harmondsworth
- Pevsner, N. & E. Williamson (1979) *Buildings of England Nottinghamshire*, 2nd Edition, Penguin, Harmondsworth
- Pevsner, N., E. Williamson & G.K. Brandwood (1984) *Buildings of England Leicestershire and Rutland*, 2nd Edition, Penguin, Harmondsworth
- Pevsner, N. & J. Harris (1989) *Buildings of England Lincolnshire*, 2nd Edition, Penguin, Harmondsworth
- Pitt, W. (1813) *General View of the Agriculture of Leicestershire*, Board of Agriculture, London
- Pitt, W. (1813) *General View of the Agriculture of Northamptonshire*, Board of Agriculture, London
- Pusey, P. (1843) 'On agricultural improvement in Lincolnshire', *JRASE* **14**: pp.287–316
- Pye, N. [Ed] (1972) *Leicester and its Region*, Leicester University Press, Leicester
- Rawding, C. (2001) *The Lincolnshire Wolds in the nineteenth century*, History of Lincolnshire Committee, Lincoln
- RCHME (1984) *An Inventory of Architectural Monuments in North Northamptonshire*, HMSO, London
- Richardson, R.C. (1984) 'The Home Counties' in Thirsk, J. [Ed] *Agrarian History of England and Wales* Vi: pp.239–69
- Robinson, D. (1993) 'Drainage and Reclamation' in Bennett, S. & N. Bennett [Eds] *An Historical Atlas of Lincolnshire*, University of Hull Press, Hull
- Rowley, J. (1853) 'The farming of Derbyshire', *JRASE* **14**: pp.17–67
- Russell, L. & Russell, J. (1983) *Making New Landscapes in Lincolnshire* Lincolnshire History Series 5, Lincolnshire Recreational Services County Library Dept, Lincoln
- Severn, J. (1986) *Dovecotes of Nottinghamshire*, Cromwell Press, Newark
- Sturges, R.W. (1966) 'The Agricultural Revolution on the English Clays', *Agricultural History Review* **14.2**: pp.104–21
- Walton, J.R. 'The Midlands' in *Agrarian History of England Wales 1850–1914*, **7**: p.ii Cambridge University Press, Cambridge
- Williamson, T. (2002) *The Transformation of Rural England*, Exeter University Press, Exeter
- Young, A. (1813) *General View of the Agriculture of Lincolnshire*, Board of Agriculture, London

# 11.0 Joint Character Area Descriptions: URLs for PDF Documents

- 1 **North Northumberland Coastal Plain** [www.countryside.gov.uk/Images/JCA01\\_tcm2-21114.pdf](http://www.countryside.gov.uk/Images/JCA01_tcm2-21114.pdf)
- 2 **Northumberland Sandstone Hills** [www.countryside.gov.uk/Images/JCA02\\_tcm2-21115.pdf](http://www.countryside.gov.uk/Images/JCA02_tcm2-21115.pdf)
- 3 **Cheviot Fringe** [www.countryside.gov.uk/Images/JCA03\\_tcm2-21116.pdf](http://www.countryside.gov.uk/Images/JCA03_tcm2-21116.pdf)
- 4 **Cheviots** [www.countryside.gov.uk/Images/JCA04\\_tcm2-21117.pdf](http://www.countryside.gov.uk/Images/JCA04_tcm2-21117.pdf)
- 5 **Border Moors and Forests** [www.countryside.gov.uk/Images/JCA5\\_tcm2-21066.pdf](http://www.countryside.gov.uk/Images/JCA5_tcm2-21066.pdf)
- 6 **Solway Basin** [www.countryside.gov.uk/Images/JCA6\\_tcm2-21068.pdf](http://www.countryside.gov.uk/Images/JCA6_tcm2-21068.pdf)
- 7 **West Cumbria Coastal Plain** [www.countryside.gov.uk/Images/JCA7\\_tcm2-21069.pdf](http://www.countryside.gov.uk/Images/JCA7_tcm2-21069.pdf)
- 8 **Cumbria High Fells** [www.countryside.gov.uk/Images/JCA8\\_tcm2-21070.pdf](http://www.countryside.gov.uk/Images/JCA8_tcm2-21070.pdf)
- 9 **Eden Valley** [www.countryside.gov.uk/Images/JCA9\\_tcm2-21071.pdf](http://www.countryside.gov.uk/Images/JCA9_tcm2-21071.pdf)
- 10 **North Pennines** [www.countryside.gov.uk/Images/JCA10\\_tcm2-21072.pdf](http://www.countryside.gov.uk/Images/JCA10_tcm2-21072.pdf)
- 11 **Tyne Gap and Hadrian's Wall** [www.countryside.gov.uk/Images/JCA11\\_tcm2-21073.pdf](http://www.countryside.gov.uk/Images/JCA11_tcm2-21073.pdf)
- 12 **Mid Northumberland** [www.countryside.gov.uk/Images/JCA12\\_tcm2-21120.pdf](http://www.countryside.gov.uk/Images/JCA12_tcm2-21120.pdf)
- 13 **South East Northumberland Coastal Plain** [www.countryside.gov.uk/Images/JCA13\\_tcm2-21121.pdf](http://www.countryside.gov.uk/Images/JCA13_tcm2-21121.pdf)
- 14 **Tyne and Wear Lowlands** [www.countryside.gov.uk/Images/JCA14\\_tcm2-21122.pdf](http://www.countryside.gov.uk/Images/JCA14_tcm2-21122.pdf)
- 15 **Durham Magnesian Limestone Plateau** [www.countryside.gov.uk/Images/JCA15\\_tcm2-21123.pdf](http://www.countryside.gov.uk/Images/JCA15_tcm2-21123.pdf)
- 16 **Durham Coalfield** [www.countryside.gov.uk/Images/JCA16\\_tcm2-21124.pdf](http://www.countryside.gov.uk/Images/JCA16_tcm2-21124.pdf)
- 17 **Orton Fells** [www.countryside.gov.uk/Images/JCA17\\_tcm2-21074.pdf](http://www.countryside.gov.uk/Images/JCA17_tcm2-21074.pdf)
- 18 **Howgill Fells** [www.countryside.gov.uk/Images/JCA18\\_tcm2-21075.pdf](http://www.countryside.gov.uk/Images/JCA18_tcm2-21075.pdf)
- 19 **South Cumbria Low Fells** [www.countryside.gov.uk/Images/JCA19\\_tcm2-21077.pdf](http://www.countryside.gov.uk/Images/JCA19_tcm2-21077.pdf)
- 20 **Morecambe Bay Limestones** [www.countryside.gov.uk/Images/JCA20\\_tcm2-21078.pdf](http://www.countryside.gov.uk/Images/JCA20_tcm2-21078.pdf)
- 21 **Yorkshire Dales** [www.countryside.gov.uk/Images/JCA21\\_tcm2-21079.pdf](http://www.countryside.gov.uk/Images/JCA21_tcm2-21079.pdf)
- 22 **Pennine Dales Fringe** [www.countryside.gov.uk/Images/JCA22\\_tcm2-21125.pdf](http://www.countryside.gov.uk/Images/JCA22_tcm2-21125.pdf)
- 23 **Tees Lowlands** [www.countryside.gov.uk/Images/JCA23\\_tcm2-21126.pdf](http://www.countryside.gov.uk/Images/JCA23_tcm2-21126.pdf)
- 24 **Vale of Mowbray** [www.countryside.gov.uk/Images/JCA24\\_tcm2-21128.pdf](http://www.countryside.gov.uk/Images/JCA24_tcm2-21128.pdf)
- 25 **North Yorkshire Moors and Cleveland Hills** [www.countryside.gov.uk/Images/JCA25\\_tcm2-21129.pdf](http://www.countryside.gov.uk/Images/JCA25_tcm2-21129.pdf)
- 26 **Vale of Pickering** [www.countryside.gov.uk/Images/JCA26\\_tcm2-21131.pdf](http://www.countryside.gov.uk/Images/JCA26_tcm2-21131.pdf)
- 27 **Yorkshire Wolds** [www.countryside.gov.uk/Images/JCA27\\_tcm2-21132.pdf](http://www.countryside.gov.uk/Images/JCA27_tcm2-21132.pdf)
- 28 **Vale of York** [www.countryside.gov.uk/Images/JCA28\\_tcm2-21133.pdf](http://www.countryside.gov.uk/Images/JCA28_tcm2-21133.pdf)
- 29 **Howardian Hills** [www.countryside.gov.uk/Images/JCA29\\_tcm2-21134.pdf](http://www.countryside.gov.uk/Images/JCA29_tcm2-21134.pdf)
- 30 **Southern Magnesian Limestone** [www.countryside.gov.uk/Images/JCA30\\_tcm2-21135.pdf](http://www.countryside.gov.uk/Images/JCA30_tcm2-21135.pdf)
- 31 **Morecambe Bay and Lune Estuary** [www.countryside.gov.uk/Images/JCA31\\_tcm2-21080.pdf](http://www.countryside.gov.uk/Images/JCA31_tcm2-21080.pdf)
- 32 **Lancashire and Amounderness Plain** [www.countryside.gov.uk/Images/JCA32\\_tcm2-21082.pdf](http://www.countryside.gov.uk/Images/JCA32_tcm2-21082.pdf)
- 33 **Bowland Fringe and Pendle Hill** [www.countryside.gov.uk/Images/JCA33\\_tcm2-21083.pdf](http://www.countryside.gov.uk/Images/JCA33_tcm2-21083.pdf)
- 34 **Bowland Fells** [www.countryside.gov.uk/Images/JCA34\\_tcm2-21084.pdf](http://www.countryside.gov.uk/Images/JCA34_tcm2-21084.pdf)
- 35 **Lancashire Valleys** [www.countryside.gov.uk/Images/JCA35\\_tcm2-21085.pdf](http://www.countryside.gov.uk/Images/JCA35_tcm2-21085.pdf)
- 36 **Southern Pennines** [www.countryside.gov.uk/Images/JCA36\\_tcm2-21086.pdf](http://www.countryside.gov.uk/Images/JCA36_tcm2-21086.pdf)
- 37 **Yorkshire Southern Pennine Fringe** [www.countryside.gov.uk/Images/JCA37\\_tcm2-21136.pdf](http://www.countryside.gov.uk/Images/JCA37_tcm2-21136.pdf)
- 38 **Nottinghamshire Derbyshire and Yorkshire Coalfield** [www.countryside.gov.uk/Images/JCA38\\_tcm2-21137.pdf](http://www.countryside.gov.uk/Images/JCA38_tcm2-21137.pdf)
- 39 **Humberhead Levels** [www.countryside.gov.uk/Images/JCA39\\_tcm2-21138.pdf](http://www.countryside.gov.uk/Images/JCA39_tcm2-21138.pdf)
- 40 **Holdemess** [www.countryside.gov.uk/Images/JCA40\\_tcm2-21139.pdf](http://www.countryside.gov.uk/Images/JCA40_tcm2-21139.pdf)
- 41 **Humber Estuary** [www.countryside.gov.uk/Images/JCA41\\_tcm2-21140.pdf](http://www.countryside.gov.uk/Images/JCA41_tcm2-21140.pdf)
- 42 **Lincolnshire Coast and Marshes** [www.countryside.gov.uk/Images/JCA42\\_tcm2-21141.pdf](http://www.countryside.gov.uk/Images/JCA42_tcm2-21141.pdf)
- 43 **Lincolnshire Wolds** [www.countryside.gov.uk/Images/JCA43\\_tcm2-21142.pdf](http://www.countryside.gov.uk/Images/JCA43_tcm2-21142.pdf)
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- 45 **Northern Lincolnshire Edge With Coversands** [www.countryside.gov.uk/Images/JCA45+47\\_tcm2-21144.pdf](http://www.countryside.gov.uk/Images/JCA45+47_tcm2-21144.pdf)
- 46 **The Fens** [www.countryside.gov.uk/Images/JCA46\\_tcm2-21145.pdf](http://www.countryside.gov.uk/Images/JCA46_tcm2-21145.pdf)
- 47 **Southern Lincolnshire Edge** [www.countryside.gov.uk/Images/JCA45+47\\_tcm2-21144.pdf](http://www.countryside.gov.uk/Images/JCA45+47_tcm2-21144.pdf)
- 48 **Trent and Belvoir Vales** [www.countryside.gov.uk/Images/JCA48\\_tcm2-21146.pdf](http://www.countryside.gov.uk/Images/JCA48_tcm2-21146.pdf)
- 49 **Sherwood** [www.countryside.gov.uk/Images/JCA49\\_tcm2-21147.pdf](http://www.countryside.gov.uk/Images/JCA49_tcm2-21147.pdf)
- 50 **Derby Peak Fringe** [www.countryside.gov.uk/Images/JCA50\\_tcm2-21148.pdf](http://www.countryside.gov.uk/Images/JCA50_tcm2-21148.pdf)
- 51 **Dark Peak** [www.countryside.gov.uk/Images/JCA51\\_tcm2-21087.pdf](http://www.countryside.gov.uk/Images/JCA51_tcm2-21087.pdf)



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- 53 **South West Peak** [www.countryside.gov.uk/Images/JCA53\\_tcm2-21088.pdf](http://www.countryside.gov.uk/Images/JCA53_tcm2-21088.pdf)
- 54 **Manchester Pennine Fringe** [www.countryside.gov.uk/Images/JCA54\\_tcm2-21089.pdf](http://www.countryside.gov.uk/Images/JCA54_tcm2-21089.pdf)
- 55 **Manchester Conurbation** [www.countryside.gov.uk/Images/JCA55\\_tcm2-21090.pdf](http://www.countryside.gov.uk/Images/JCA55_tcm2-21090.pdf)
- 56 **Lancashire Coal Measures** [www.countryside.gov.uk/Images/JCA56\\_tcm2-21091.pdf](http://www.countryside.gov.uk/Images/JCA56_tcm2-21091.pdf)
- 57 **Sefton Coast** [www.countryside.gov.uk/Images/JCA57\\_tcm2-21095.pdf](http://www.countryside.gov.uk/Images/JCA57_tcm2-21095.pdf)
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- 61 **Shropshire Cheshire and Staffordshire Plain** [www.countryside.gov.uk/Images/JCA61+62\\_tcm2-21100.pdf](http://www.countryside.gov.uk/Images/JCA61+62_tcm2-21100.pdf)
- 62 **Cheshire Sandstone Ridge** [www.countryside.gov.uk/Images/JCA61+62\\_tcm2-21100.pdf](http://www.countryside.gov.uk/Images/JCA61+62_tcm2-21100.pdf)
- 63 **Oswestry Uplands** [www.countryside.gov.uk/Images/JCA063%20-%20Oswestry%20Uplands\\_tcm2-21174.pdf](http://www.countryside.gov.uk/Images/JCA063%20-%20Oswestry%20Uplands_tcm2-21174.pdf)
- 64 **Potteries and Churnet Valley** [www.countryside.gov.uk/Images/JCA064%20-%20Potteries%20and%20Churnet%20Valley\\_tcm2-21175.pdf](http://www.countryside.gov.uk/Images/JCA064%20-%20Potteries%20and%20Churnet%20Valley_tcm2-21175.pdf)
- 65 **Shropshire Hills** [www.countryside.gov.uk/Images/JCA064%20-%20Potteries%20and%20Churnet%20Valley\\_tcm2-21175.pdf](http://www.countryside.gov.uk/Images/JCA064%20-%20Potteries%20and%20Churnet%20Valley_tcm2-21175.pdf)
- 66 **Mid Severn Sandstone Plateau** [www.countryside.gov.uk/Images/JCA066%20-%20Mid%20Severn%20Sandstone%20Plateau\\_tcm2-21177.pdf](http://www.countryside.gov.uk/Images/JCA066%20-%20Mid%20Severn%20Sandstone%20Plateau_tcm2-21177.pdf)
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- 68 **Needwood and South Derbyshire Claylands** [www.countryside.gov.uk/Images/JCA68\\_tcm2-21150.pdf](http://www.countryside.gov.uk/Images/JCA68_tcm2-21150.pdf)
- 69 **Trent Valley Washlands** [www.countryside.gov.uk/Images/JCA69\\_tcm2-21151.pdf](http://www.countryside.gov.uk/Images/JCA69_tcm2-21151.pdf)
- 70 **Melbourne Parklands** [www.countryside.gov.uk/Images/JCA70\\_tcm2-21152.pdf](http://www.countryside.gov.uk/Images/JCA70_tcm2-21152.pdf)
- 71 **Leicestershire and South Derbyshire Coalfield** [www.countryside.gov.uk/Images/JCA71\\_tcm2-21153.pdf](http://www.countryside.gov.uk/Images/JCA71_tcm2-21153.pdf)
- 72 **Mease/Sence Lowlands** [www.countryside.gov.uk/Images/JCA72\\_tcm2-21154.pdf](http://www.countryside.gov.uk/Images/JCA72_tcm2-21154.pdf)
- 73 **Charnwood** [www.countryside.gov.uk/Images/JCA73\\_tcm2-21155.pdf](http://www.countryside.gov.uk/Images/JCA73_tcm2-21155.pdf)
- 74 **Leicestershire and Nottinghamshire Wolds** [www.countryside.gov.uk/Images/JCA74\\_tcm2-21156.pdf](http://www.countryside.gov.uk/Images/JCA74_tcm2-21156.pdf)
- 75 **Kesteven Uplands** [www.countryside.gov.uk/Images/JCA75\\_tcm2-21157.pdf](http://www.countryside.gov.uk/Images/JCA75_tcm2-21157.pdf)
- 76 **North West Norfolk** [www.countryside.gov.uk/Images/JCA076%20-%20North%20West%20Norfolk\\_tcm2-21179.pdf](http://www.countryside.gov.uk/Images/JCA076%20-%20North%20West%20Norfolk_tcm2-21179.pdf)
- 77 **North Norfolk Coast** [www.countryside.gov.uk/Images/JCA077%20-%20North%20Norfolk%20Coast\\_tcm2-21180.pdf](http://www.countryside.gov.uk/Images/JCA077%20-%20North%20Norfolk%20Coast_tcm2-21180.pdf)
- 78 **Central North Norfolk** [www.countryside.gov.uk/Images/JCA078+084%20-%20Central%20North%20Norfolk%20+%20Mid%20Norfolk\\_tcm2-21181.pdf](http://www.countryside.gov.uk/Images/JCA078+084%20-%20Central%20North%20Norfolk%20+%20Mid%20Norfolk_tcm2-21181.pdf)
- 79 **North East Norfolk and Flegg** [www.countryside.gov.uk/Images/JCA079%20-%20North%20East%20Norfolk%20and%20Flegg\\_tcm2-21182.pdf](http://www.countryside.gov.uk/Images/JCA079%20-%20North%20East%20Norfolk%20and%20Flegg_tcm2-21182.pdf)
- 80 **The Broads** [www.countryside.gov.uk/Images/JCA080%20-%20The%20Broads\\_tcm2-21183.pdf](http://www.countryside.gov.uk/Images/JCA080%20-%20The%20Broads_tcm2-21183.pdf)
- 81 **Greater Thames Estuary** [www.countryside.gov.uk/Images/JCA081%20-%20Greater%20Thames%20Estuary\\_tcm2-21184.pdf](http://www.countryside.gov.uk/Images/JCA081%20-%20Greater%20Thames%20Estuary_tcm2-21184.pdf)
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- 84 **Mid Norfolk** [www.countryside.gov.uk/Images/JCA078+084%20-%20Central%20North%20Norfolk%20+%20Mid%20Norfolk\\_tcm2-21181.pdf](http://www.countryside.gov.uk/Images/JCA078+084%20-%20Central%20North%20Norfolk%20+%20Mid%20Norfolk_tcm2-21181.pdf)
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- 88 **Bedfordshire and Cambridgeshire Claylands** [www.countryside.gov.uk/Images/JCA88\\_tcm2-21158.pdf](http://www.countryside.gov.uk/Images/JCA88_tcm2-21158.pdf)
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- 93 **High Leicestershire** [www.countryside.gov.uk/Images/JCA93\\_tcm2-21162.pdf](http://www.countryside.gov.uk/Images/JCA93_tcm2-21162.pdf)
- 94 **Leicestershire Vales** [www.countryside.gov.uk/Images/JCA89+94\\_tcm2-21159.pdf](http://www.countryside.gov.uk/Images/JCA89+94_tcm2-21159.pdf)
- 95 **Northamptonshire Uplands** [www.countryside.gov.uk/Images/JCA95\\_tcm2-21163.pdf](http://www.countryside.gov.uk/Images/JCA95_tcm2-21163.pdf)

- 96 **Dunsmore and Feldon** [www.countryside.gov.uk/Images/JCA96\\_tcm2-21164.pdf](http://www.countryside.gov.uk/Images/JCA96_tcm2-21164.pdf)
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- 98 **Clun and North West Herefordshire Hills** [www.countryside.gov.uk/Images/JCA098%20-%20Clun%20and%20North%20West%20Herefordshire%20Hills\\_tcm2-21192.pdf](http://www.countryside.gov.uk/Images/JCA098%20-%20Clun%20and%20North%20West%20Herefordshire%20Hills_tcm2-21192.pdf)
- 99 **Black Mountains and Golden Valley** [www.countryside.gov.uk/Images/JCA099%20-%20Black%20Mountains%20and%20Golden%20Valley\\_tcm2-21193.pdf](http://www.countryside.gov.uk/Images/JCA099%20-%20Black%20Mountains%20and%20Golden%20Valley_tcm2-21193.pdf)
- 100 **Herefordshire Lowlands** [www.countryside.gov.uk/Images/JCA100%20-%20Herefordshire%20Lowlands\\_tcm2-21194.pdf](http://www.countryside.gov.uk/Images/JCA100%20-%20Herefordshire%20Lowlands_tcm2-21194.pdf)
- 101 **Herefordshire Plateau** [www.countryside.gov.uk/Images/JCA101+102%20-%20Herefordshire%20Plateau%20+%20Teme%20Valley\\_tcm2-21195.pdf](http://www.countryside.gov.uk/Images/JCA101+102%20-%20Herefordshire%20Plateau%20+%20Teme%20Valley_tcm2-21195.pdf)
- 102 **Teme Valley** [www.countryside.gov.uk/Images/JCA101+102%20-%20Herefordshire%20Plateau%20+%20Teme%20Valley\\_tcm2-21195.pdf](http://www.countryside.gov.uk/Images/JCA101+102%20-%20Herefordshire%20Plateau%20+%20Teme%20Valley_tcm2-21195.pdf)
- 103 **Malvern Hills** [www.countryside.gov.uk/Images/JCA103%20-%20Malvern%20Hills\\_tcm2-21196.pdf](http://www.countryside.gov.uk/Images/JCA103%20-%20Malvern%20Hills_tcm2-21196.pdf)
- 104 **South Herefordshire & Over Severn** [www.countryside.gov.uk/Images/JCA104%20-%20South%20Herefordshire%20and%20Over%20Severn\\_tcm2-21197.pdf](http://www.countryside.gov.uk/Images/JCA104%20-%20South%20Herefordshire%20and%20Over%20Severn_tcm2-21197.pdf)
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- 106 **Severn and Avon Vales** [www.countryside.gov.uk/Images/JCA106%20-%20Severn%20and%20Avon%20Vales\\_tcm2-21199.pdf](http://www.countryside.gov.uk/Images/JCA106%20-%20Severn%20and%20Avon%20Vales_tcm2-21199.pdf)
- 107 **Cotswolds** [www.countryside.gov.uk/Images/JCA107%20-%20Cotswolds\\_tcm2-21200.pdf](http://www.countryside.gov.uk/Images/JCA107%20-%20Cotswolds_tcm2-21200.pdf)
- 108 **Upper Thames Clay Vales** [www.countryside.gov.uk/Images/JCA108%20-%20Upper%20Thames%20Clay%20Vales\\_tcm2-21201.pdf](http://www.countryside.gov.uk/Images/JCA108%20-%20Upper%20Thames%20Clay%20Vales_tcm2-21201.pdf)
- 109 **Midvale Ridge** [www.countryside.gov.uk/Images/JCA109%20-%20Midvale%20Ridge\\_tcm2-21202.pdf](http://www.countryside.gov.uk/Images/JCA109%20-%20Midvale%20Ridge_tcm2-21202.pdf)
- 110 **The Chilterns** [www.countryside.gov.uk/Images/JCA110%20-%20Chilterns\\_tcm2-21203.pdf](http://www.countryside.gov.uk/Images/JCA110%20-%20Chilterns_tcm2-21203.pdf)
- 111 **Northern Thames Basin** [www.countryside.gov.uk/Images/JCA111\\_tcm2-21204.pdf](http://www.countryside.gov.uk/Images/JCA111_tcm2-21204.pdf)
- 112 **Inner London** [www.countryside.gov.uk/Images/JCA112\\_tcm2-21516.pdf](http://www.countryside.gov.uk/Images/JCA112_tcm2-21516.pdf)
- 113 **North Kent Plain** [www.countryside.gov.uk/Images/JCA113\\_tcm2-21533.pdf](http://www.countryside.gov.uk/Images/JCA113_tcm2-21533.pdf)
- 114 **Thames Basin Lowlands** [www.countryside.gov.uk/Images/JCA114\\_tcm2-21554.pdf](http://www.countryside.gov.uk/Images/JCA114_tcm2-21554.pdf)
- 115 **Thames Valley** [www.countryside.gov.uk/Images/JCA115\\_tcm2-21205.pdf](http://www.countryside.gov.uk/Images/JCA115_tcm2-21205.pdf)
- 116 **Berkshire and Marlborough Downs** [www.countryside.gov.uk/Images/JCA116%20-%20Berkshire%20and%20Marlborough%20Downs\\_tcm2-21206.pdf](http://www.countryside.gov.uk/Images/JCA116%20-%20Berkshire%20and%20Marlborough%20Downs_tcm2-21206.pdf)
- 117 **Avon Vales** [www.countryside.gov.uk/Images/JCA117%20-%20Avon%20Vales\\_tcm2-21207.pdf](http://www.countryside.gov.uk/Images/JCA117%20-%20Avon%20Vales_tcm2-21207.pdf)
- 118 **Bristol, Avon Valleys and Ridges** [www.countryside.gov.uk/Images/JCA118%20-%20Bristol,%20Avon%20Valleys%20and%20Ridges\\_tcm2-21208.pdf](http://www.countryside.gov.uk/Images/JCA118%20-%20Bristol,%20Avon%20Valleys%20and%20Ridges_tcm2-21208.pdf)
- 119 **North Downs** [www.countryside.gov.uk/Images/JCA119\\_tcm2-21553.pdf](http://www.countryside.gov.uk/Images/JCA119_tcm2-21553.pdf)
- 120 **Wealden Greensand** [www.countryside.gov.uk/Images/JCA120\\_tcm2-21552.pdf](http://www.countryside.gov.uk/Images/JCA120_tcm2-21552.pdf)
- 121 **Low Weald** [www.countryside.gov.uk/Images/JCA121\\_tcm2-21571.pdf](http://www.countryside.gov.uk/Images/JCA121_tcm2-21571.pdf)
- 122 **High Weald** [www.countryside.gov.uk/Images/JCA122\\_tcm2-21572.pdf](http://www.countryside.gov.uk/Images/JCA122_tcm2-21572.pdf)
- 123 **Romney Marshes** [www.countryside.gov.uk/Images/JCA123\\_tcm2-21573.pdf](http://www.countryside.gov.uk/Images/JCA123_tcm2-21573.pdf)
- 124 **Pevensey Levels** [www.countryside.gov.uk/Images/JCA124\\_tcm2-21631.pdf](http://www.countryside.gov.uk/Images/JCA124_tcm2-21631.pdf)
- 125 **South Downs** [www.countryside.gov.uk/Images/JCA125\\_tcm2-21629.pdf](http://www.countryside.gov.uk/Images/JCA125_tcm2-21629.pdf)
- 126 **South Coast Plain** [www.countryside.gov.uk/Images/JCA126\\_tcm2-21630.pdf](http://www.countryside.gov.uk/Images/JCA126_tcm2-21630.pdf)
- 127 **Isle of Wight** [www.countryside.gov.uk/Images/JCA127\\_tcm2-21660.pdf](http://www.countryside.gov.uk/Images/JCA127_tcm2-21660.pdf)
- 128 **South Hampshire Lowlands** [www.countryside.gov.uk/Images/JCA128\\_tcm2-21661.pdf](http://www.countryside.gov.uk/Images/JCA128_tcm2-21661.pdf)
- 129 **Thames Basin Heaths** [www.countryside.gov.uk/Images/JCA129\\_tcm2-21662.pdf](http://www.countryside.gov.uk/Images/JCA129_tcm2-21662.pdf)
- 130 **Hampshire Downs** [www.countryside.gov.uk/Images/JCA130%20-%20Hampshire%20Downs\\_tcm2-21209.pdf](http://www.countryside.gov.uk/Images/JCA130%20-%20Hampshire%20Downs_tcm2-21209.pdf)
- 131 **New Forest** [www.countryside.gov.uk/Images/JCA131%20-%20New%20Forest\\_tcm2-21210.pdf](http://www.countryside.gov.uk/Images/JCA131%20-%20New%20Forest_tcm2-21210.pdf)
- 132 **Salisbury Plain and West Wiltshire Downs** [www.countryside.gov.uk/Images/JCA132%20-%20Salisbury%20Plain%20and%20West%20Wiltshire%20Downs\\_tcm2-21211.pdf](http://www.countryside.gov.uk/Images/JCA132%20-%20Salisbury%20Plain%20and%20West%20Wiltshire%20Downs_tcm2-21211.pdf)
- 133 **Blackmoor Vale and Vale of Wardour** [www.countryside.gov.uk/Images/JCA133%20-%20Blackmoor%20Vale%20and%20Vale%20of%20Wardour\\_tcm2-21212.pdf](http://www.countryside.gov.uk/Images/JCA133%20-%20Blackmoor%20Vale%20and%20Vale%20of%20Wardour_tcm2-21212.pdf)
- 134 **Dorset Downs and Cranborne Chase** [www.countryside.gov.uk/Images/JCA134%20-%20Dorset%20Downs%20and%20Cranborne%20Chase\\_tcm2-21213.pdf](http://www.countryside.gov.uk/Images/JCA134%20-%20Dorset%20Downs%20and%20Cranborne%20Chase_tcm2-21213.pdf)
- 135 **Dorset Heaths** [www.countryside.gov.uk/Images/JCA135%20-%20Dorset%20Heaths\\_tcm2-21214.pdf](http://www.countryside.gov.uk/Images/JCA135%20-%20Dorset%20Heaths_tcm2-21214.pdf)
- 136 **South Purbeck** [www.countryside.gov.uk/Images/JCA136%20-%20South%20Purbeck\\_tcm2-21215.pdf](http://www.countryside.gov.uk/Images/JCA136%20-%20South%20Purbeck_tcm2-21215.pdf)
- 137 **Isle of Portland** [www.countryside.gov.uk/Images/JCA137+138%20-%20Isle%20of%20Portland%20%20+%20Weymouth%20Lowlands\\_tcm2-21216.pdf](http://www.countryside.gov.uk/Images/JCA137+138%20-%20Isle%20of%20Portland%20%20+%20Weymouth%20Lowlands_tcm2-21216.pdf)

- 138 **Weymouth Lowlands** [www.countryside.gov.uk/Images/JCA137+138%20-%20Isle%20of%20Portland%20%20+%20Weymouth%20Lowlands\\_tcm2-21216.pdf](http://www.countryside.gov.uk/Images/JCA137+138%20-%20Isle%20of%20Portland%20%20+%20Weymouth%20Lowlands_tcm2-21216.pdf)
- 139 **Marshwood and Powerstock Vales** [www.countryside.gov.uk/Images/JCA139%20-%20Marshwood%20and%20Powerstock%20Vales\\_tcm2-21217.pdf](http://www.countryside.gov.uk/Images/JCA139%20-%20Marshwood%20and%20Powerstock%20Vales_tcm2-21217.pdf)
- 140 **Yeovil Scarplands** [www.countryside.gov.uk/Images/JCA140%20-%20Yeovil%20Scarplands\\_tcm2-21218.pdf](http://www.countryside.gov.uk/Images/JCA140%20-%20Yeovil%20Scarplands_tcm2-21218.pdf)
- 141 **Mendip Hills** [www.countryside.gov.uk/Images/JCA141%20-%20Mendip%20Hills\\_tcm2-21219.pdf](http://www.countryside.gov.uk/Images/JCA141%20-%20Mendip%20Hills_tcm2-21219.pdf)
- 142 **Somerset Levels and Moors** [www.countryside.gov.uk/Images/JCA142+143%20-%20Somerset%20Levels%20and%20Moors%20+%20Mid%20Somerset%20Hills\\_tcm2-21220.pdf](http://www.countryside.gov.uk/Images/JCA142+143%20-%20Somerset%20Levels%20and%20Moors%20+%20Mid%20Somerset%20Hills_tcm2-21220.pdf)
- 143 **Mid Somerset Hills** [www.countryside.gov.uk/Images/JCA142+143%20-%20Somerset%20Levels%20and%20Moors%20+%20Mid%20Somerset%20Hills\\_tcm2-21220.pdf](http://www.countryside.gov.uk/Images/JCA142+143%20-%20Somerset%20Levels%20and%20Moors%20+%20Mid%20Somerset%20Hills_tcm2-21220.pdf)
- 144 **Quantock Hills** [www.countryside.gov.uk/Images/JCA144%20-%20Quantock%20Hills\\_tcm2-21221.pdf](http://www.countryside.gov.uk/Images/JCA144%20-%20Quantock%20Hills_tcm2-21221.pdf)
- 145 **Exmoor** [www.countryside.gov.uk/Images/JCA145%20-%20Exmoor\\_tcm2-21222.pdf](http://www.countryside.gov.uk/Images/JCA145%20-%20Exmoor_tcm2-21222.pdf)
- 146 **Vale of Taunton and Quantock Fringe** [www.countryside.gov.uk/Images/JCA146%20-%20Vale%20of%20Taunton%20and%20Quantock%20Fringes\\_tcm2-21223.pdf](http://www.countryside.gov.uk/Images/JCA146%20-%20Vale%20of%20Taunton%20and%20Quantock%20Fringes_tcm2-21223.pdf)
- 147 **Blackdowns** [www.countryside.gov.uk/Images/JCA147%20-%20Blackdowns\\_tcm2-21224.pdf](http://www.countryside.gov.uk/Images/JCA147%20-%20Blackdowns_tcm2-21224.pdf)
- 148 **Devon Redlands** [www.countryside.gov.uk/Images/JCA148%20-%20Devon%20Redlands\\_tcm2-21225.pdf](http://www.countryside.gov.uk/Images/JCA148%20-%20Devon%20Redlands_tcm2-21225.pdf)
- 149 **The Culm** [www.countryside.gov.uk/Images/JCA149%20-%20The%20Culm\\_tcm2-21226.pdf](http://www.countryside.gov.uk/Images/JCA149%20-%20The%20Culm_tcm2-21226.pdf)
- 150 **Dartmoor** [www.countryside.gov.uk/Images/JCA150%20-%20Dartmoor\\_tcm2-21227.pdf](http://www.countryside.gov.uk/Images/JCA150%20-%20Dartmoor_tcm2-21227.pdf)
- 151 **South Devon** [www.countryside.gov.uk/Images/JCA151%20-%20South%20Devon\\_tcm2-21228.pdf](http://www.countryside.gov.uk/Images/JCA151%20-%20South%20Devon_tcm2-21228.pdf)
- 152 **Cornish Killas** [www.countryside.gov.uk/Images/JCA152%20-%20Cornish%20Killas\\_tcm2-21229.pdf](http://www.countryside.gov.uk/Images/JCA152%20-%20Cornish%20Killas_tcm2-21229.pdf)
- 153 **Bodmin Moor** [www.countryside.gov.uk/Images/JCA153%20-%20Bodmin%20Moor\\_tcm2-21230.pdf](http://www.countryside.gov.uk/Images/JCA153%20-%20Bodmin%20Moor_tcm2-21230.pdf)
- 154 **Hensbarrow** [www.countryside.gov.uk/Images/JCA154%20-%20Hensbarrow\\_tcm2-21231.pdf](http://www.countryside.gov.uk/Images/JCA154%20-%20Hensbarrow_tcm2-21231.pdf)
- 155 **Carnmenellis** [www.countryside.gov.uk/Images/JCA155%20-%20Carnmenellis\\_tcm2-21232.pdf](http://www.countryside.gov.uk/Images/JCA155%20-%20Carnmenellis_tcm2-21232.pdf)
- 156 **West Penwith** [www.countryside.gov.uk/Images/JCA156%20-%20West%20Penwith\\_tcm2-21233.pdf](http://www.countryside.gov.uk/Images/JCA156%20-%20West%20Penwith_tcm2-21233.pdf)
- 157 **The Lizard** [www.countryside.gov.uk/Images/JCA157%20-%20The%20Lizard\\_tcm2-21234.pdf](http://www.countryside.gov.uk/Images/JCA157%20-%20The%20Lizard_tcm2-21234.pdf)
- 158 **Scilly Isles** [www.countryside.gov.uk/Images/JCA158%20-%20Isles%20of%20Scilly\\_tcm2-21235.pdf](http://www.countryside.gov.uk/Images/JCA158%20-%20Isles%20of%20Scilly_tcm2-21235.pdf)
- 159 **Lundy** [www.countryside.gov.uk/Images/JCA159%20-%20Lundy\\_tcm2-21236.pdf](http://www.countryside.gov.uk/Images/JCA159%20-%20Lundy_tcm2-21236.pdf)