

# 7.0 Key Building Types: Animals and Animal Products

## 7.1 CATTLE HOUSING

### 7.1.1 NATIONAL OVERVIEW (Figure 26)

There are great regional differences in the management of cattle and the buildings that house them. This extends to how they are described in different parts of the country: for example, 'shippon' in much of the South West; 'byre' in northern England; 'hovel' in central England. Stalls, drains and muck passages have also been given their own local vocabulary.

Evidence for cattle housing is very rare before the 18th century, and in many areas uncommon before the 19th century. The agricultural improvements of the 18th century emphasised the importance of farmyard manure in maintaining the fertility of the soil. It was also recognised that cattle fattened better and were more productive in milk if housed in strawed-down yards and buildings, and fed with carefully measured quantities of nutritious turnips and imported feed. There is hardly a farmstead without 19th-century adaptations for increased livestock accommodation.

The introduction of hygiene regulations early in the 20th century for the production of milk resulted in new floors, windows and stall arrangements being inserted. Animal welfare standards are also important; cows on farms seeking Soil Association assurance require more than double (at 6 square metres) the space of tethered beasts in traditional cow houses. Some, particularly under split-level barns, are too low for modern usage and so have been preserved by abandonment or occasional use by sheep.

Characteristic features of cattle housing include:

- Externally, lower and wider doorways than stabling, with wall ventilation slits (adjustable sliding ventilators from the early 19th century) and holes in gable ends or side walls for the throwing out of muck (especially in areas with limited straw for bedding, where cattle were wintered indoors).
- Internally, ceilings were typically low and there was very little light. Hay was stored above in lofts, and in some examples (such as the Pennines) on either side in 'sink mows', increasing the warmth and airlessness. It was not until the later 19th century that the importance of a well-ventilated cow house became fully appreciated. The size of the haylofts increased as more cows were kept and the production of hay rose; their ceilings were higher and air ducts went from the cow house up on to the roof above the hay barn.

- Interior stalling and feeding arrangements. Cows were usually tethered in pairs with low partitions of wood, stone, slate and, later, cast iron between them. As the breeding of stock improved and cows became larger, the space for the animals in the older buildings became limited and an indication of the date of a cow house can be the length of the stalls or the width of the building. Feeding arrangements can survive in the form of hayracks, water bowls and mangers for feed.
- Variations in internal planning, cattle being stalled along or across the main axis of the building and facing a wall or partition. They were fed either from behind or from a feeding passage, these often being connected to fodder rooms from the late 18th century.

In the following descriptions of buildings for cattle the wide variety in the means of providing accommodation for cattle, both over time and regionally, can be seen .

#### 7.1.1.1 Longhouses

In this type of building the family and animals used a common entrance and the cattle (typically prized dairy cattle) were stalled at one end, usually the end down-slope. Examples (often high status in terms of their size, detail and construction) survive in parts of the north and west of England and are usually the only evidence for cattle housing before the 17th century. They were more widespread in the medieval period (see 5.1.1 and Figure 16).

#### 7.1.1.2 Ox houses

Oxen were the favoured animals for draught work on the farm in the medieval period, although in some parts of the country horses were already replacing them.. They survived in some areas into the 19th and even 20th centuries. Ox houses can be very difficult to identify, the most distinguishing feature being wide doorways and wider-than-average stalling (see 7.3.2).

#### 7.1.1.3 Combination barns

See 6.1.2. These were used for cattle accommodation from the 17th century, and in northern aisled barns from at least that period.

#### 7.1.1.4 Open-fronted sheds

The earliest of these were the two-storey linhays of the South West, with cattle accommodated below a hayloft. Shelter sheds, facing on to yards and either with haylofts above or simply single-storey, were increasingly built from the mid-18th century. Cattle yards with open-fronted sheds were typical of mixed farming areas where cattle

## 26 Cattle housing: national examples

- A & B Wooden cow stalls and slate cow stalls, the latter as found throughout the northern uplands. (A Durham Coalfield Pennine Fringe; B Yorkshire Dales)
- C Cow houses needed to be well ventilated, by either slits in the wall or windows. Horizontal sliding hit-and-miss ventilators, as here, achieved wide popularity in the mid- to late 19th century. (Vale of York)

- D A range of looseboxes, easily distinguishable by its rows of doors providing access to individual cubicles for fattening. (North Northumberland Coastal Plain)
- E The interior of a covered yard, on a home farm of 1875. (Shropshire, Cheshire and Staffordshire Plain)
- A-C © Jen Deadman; D, E © English Heritage / Michael Williams



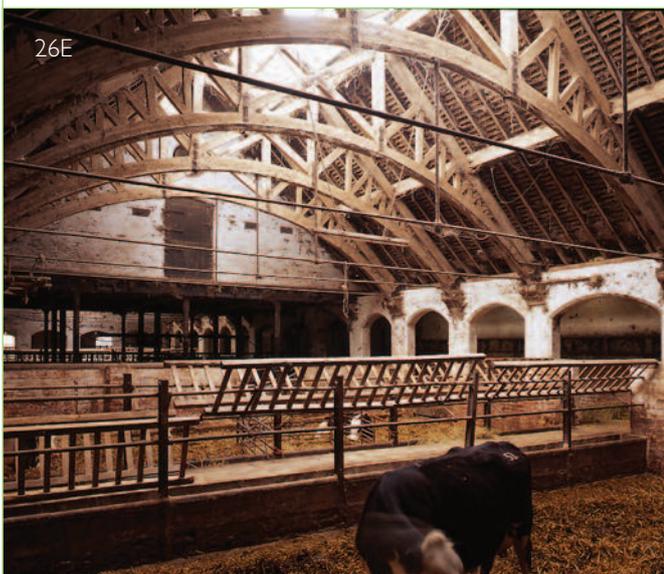
26A



26B



26C



26E



26D

were housed on the steading as fatstock and for their manure. Common internal fittings were mangers and hayracks, and sometimes stalls.

### 7.1.1.5 Lean-tos (outshots)

These were attached to other buildings (particularly barns) and farmyard walls, either as part of the initial

phase of build or (particularly if the barn is pre-1750 in date) a later addition. These could be either open-fronted or closed with doorways to individual cow houses or looseboxes.

### 7.1.1.6 Free-standing cow houses

These comprised either single-storey ranges, or two-

storey ranges with haylofts. Pre-19th-century examples of the former include the neathouses of the claylands of Suffolk and examples of both types are found in the West Midlands. In cattle-rearing areas calf houses have also been found; typically they are smaller in scale and often sited close to the house.

#### 7.1.1.7 Looseboxes (Figure 26D)

Mostly dating from the 1850s, these served as accommodation for sick or calving beasts, bulls or most commonly fatstock. They comprised individual boxes or more usually a row of boxes with a central or rear feeding passage. The latter were usually distinguished externally by continuous rows of doors. There was often a feeding passage along behind them, with a feed store at one end. If used for fatstock, the floor of the boxes was sunken and the manure would build up in them during the winter. They reflected a realisation that warm and dry conditions would promote weight gain (through minimising heat loss) and retain the quality of the manure. Double rows would have a central feeding passage and were to be found on many farms by 1860.

#### 7.1.1.8 Covered yards

By the 1850s it had been proved by agricultural chemists that the nutritional value of manure would be better preserved if it were under cover, and as costly feeds produced richer manures, the incentive to protect them was great. The problem was that it could be difficult to provide enough ventilation, but this could be overcome by complex systems of louvers and shutters. Some continued to be built as the depression in grain prices focused attention on livestock production. The best-known examples of covered yards are on the most expensively designed model farms of the mid- to late 19th century, almost all of them being estate-owned. The introduction of roofs to existing yards became general in fatstock areas from the late 19th century and especially after 1940. Dairy cattle are now typically housed in portal-framed sheds erected in the post-war period.

### 7.1.2 CATTLE HOUSING IN YORKSHIRE AND THE HUMBER (Figure 27)

Medieval cow houses and ox houses are well documented (e.g. RCHME 1987, p.179), but there are no known survivals from that period. The movement of livestock (particularly cattle) to summer pastures on the high ground (a process known as transhumance) had been a key component in the economies of upland valleys probably since the prehistoric period. The summer grazing grounds, characterised by groups of huts, typically developed into permanently occupied farms or even hamlets as transhumance was abandoned in favour of permanent farmsteads. This practice survived longest – into the 17th century – in the North Pennines and Cheviots (see North West and North East).

Cattle could be stalled across the width of the building or along its length. 'Cross shippens' were often served by a central feeding and manuring passage accessed by a door in the gable end: examples – often distinguished by three doors in the gable end – date from the 17th century. From the early 19th century, wider buildings were being built, which had entrances in both side walls and gable ends, the latter to a long axial passage into which cattle would face: these served as both a feeding passage and a source of cross-ventilation. Increasingly from the mid-19th century the stalls were being turned round and placed across the building in back-to-back blocks with doors in the front wall to serve each group, the cattle facing a vented passageway into which fodder could be dropped from above. Cattle were commonly housed in combination barns (see 6.1.2) and field barns (see 8.1.2). They could also be accommodated in lean-tos attached to barns. Late 18th- and 19th-century shelter sheds facing into a cattle yard are uncommon in the Pennines, but are more commonly found associated with farmsteads in the North Yorkshire Moors, the Wolds

and other lowland areas of the Region. Looseboxes are found throughout the Region, particularly in lowland areas where fattening was a core part of the local economy.

## 7.2 DAIRIES

### 7.2.1 NATIONAL OVERVIEW

The dairy, where milk was stored and turned into butter or cheese, was usually located within the farmhouse (at its service end or in a rear room) or located in a lean-to at the rear of the house. Some dairies were separate buildings but, as the women of the household usually managed the dairy, they were normally situated close to the house. Within the dairy, which was commonly cool and damp, milk was poured into large shallow pans and the cream left to rise to the top before it was skimmed off and churned (usually with a plunger) in order to make butter. New types of churn appeared in the mid-19th century, the most important invention being the centrifugal separator in 1890. On some estates, the individual dairy building could be quite ornate in design; they were often circular, with a tall conical roof and plenty of ventilation, cool tiled floors and a low marble, slate or tiled shelf running almost all the way around inside.

Cheeses were made from the preservation and treatment of the curd, the solid mass that separates from the thin whey: harder cheeses were made from skimmed milk, softer cheese such as Cheshire from whole milk. After pressing, it needed space for storage. In areas where cheese making was important the dairies often had a room above called a cheese loft, where cheese was stored while maturing, or there would be a separate cheese house, the equivalent of the arable farmer's

27 Cattle housing in Yorkshire and the Humber

Cattle could be accommodated in the ends of combination barns (A Yorkshire Dales, and see Barns, above) or in outshots built against the side of the barn (B Yorkshire Southern Pennine Fringe). Across the Region it was common to accommodate cattle in enclosed cow houses that could be single-storey or two-storey buildings (C Holderness; D and E North Yorkshire Moors and Cleveland Hills). Open-fronted shelter sheds arranged around a yard are more typical of the lowland areas and the Yorkshire Wolds (F and G Yorkshire Wolds).

The final stage of development of cattle housing was the covering over of the yard areas. In some cases from the later 19th century covered yards formed part of the original plan but on many farms, the covering was a late 19th- or early 20th-century addition to earlier shelter shed ranges (H North Yorkshire Moors and Cleveland Hills).

A 322239 © Mrs Lisa Hornish. Taken as part of the Images of England Project; B © 341123 Mr A W Shaw. Taken as part of the Images of England Project; C © English Heritage; D, E, F & H © Jen Deadman G © English Heritage / Michael Williams

27A



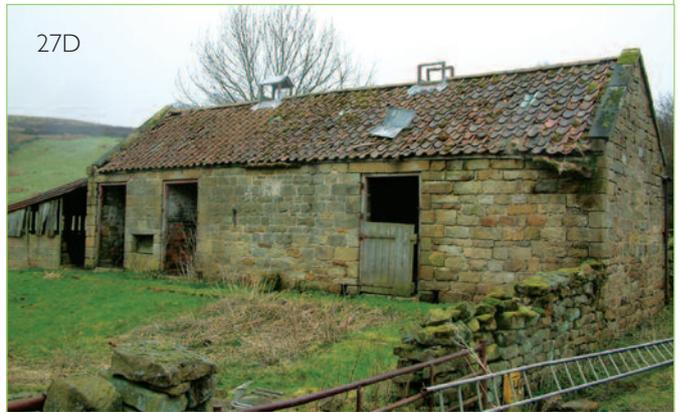
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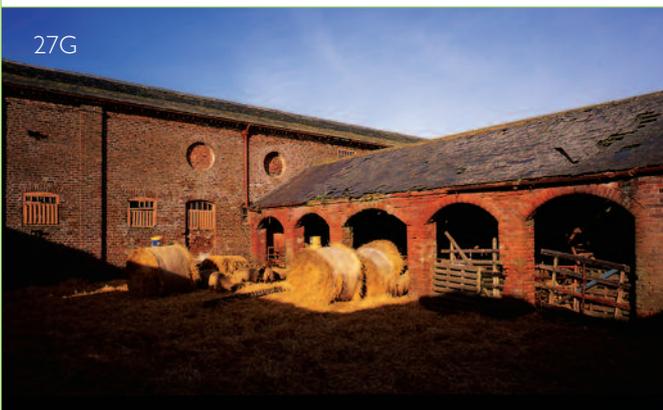
27E



27F



27G



27H



28 A typical stable interior for working horses, showing the stalls that prevented the horses biting and kicking each other; the hayrack and cobbled floor. (Dorset Downs and Cranborne Chase)  
© Bob Edwards



granary. In the 19th century more ornate dairy buildings were built on some of the larger farms, often located within the garden of the farmhouse rather than in the working farmyard.

Dairying for urban markets was already a specialised enterprise by the 1750s, and winter feeding and the ousting of less-productive breeds by the Dairy Shorthorn (after 1820) boosted yields. By the 1850s, butter production for the market was concentrated around towns, and the first small dairy factories started production around 1870. Cheese making in East Anglia gave way to cereal farming and fattening after 1800 (Holderness in Mingay 1989, pp.160, 158). Commercial cheese making and foreign imports (from the colonies) made inroads from the 1860s, and by around 1914 farmhouse butter was being sold only in Devon and Cornwall, and cheese made only in Cheshire, Leicestershire and the vales of Dorset and Somerset (Whetham 1978, pp.11, 15). Changes in hygiene regulations and the centralisation of production through the 20th century had a major impact on dairies, with the majority becoming redundant to their original use. Changes in use may have resulted in the removal of fixtures such as slate or stone shelves for cooling the milk.

The sale of liquid milk had become massively important in many areas by the early 20th century (Whetham 1978, pp.9–10). The stand for milk churns, often built at the farm gate to save the milk cart or lorry from having to come to the farmstead, and the abandonment of all but a handful of farmhouse dairies and cheese rooms for new milk-production plants were the other visible consequences of these developments.

The industrialisation of much of the dairy industry meant that the majority of farm dairies were redundant by the mid-20th century. Where the dairy was part of the farmhouse it is usual to find that it has been brought into domestic use, typically resulting in the removal of any fittings associated with butter or cheese making. Any survivals of dairy equipment in situ are rare. Detached dairy buildings may also have been brought into an alternative use, again usually resulting in the removal of associated fittings. Surviving historic dairies are both rare and highly vulnerable. Cheese rooms are now especially rare and hard to identify.

### 7.2.2 DAIRIES IN YORKSHIRE AND THE HUMBER

Dairies are generally housed either within the main body of the house or a rear wing.

## 7.3 STABLES

### 7.3.1 NATIONAL OVERVIEW

After the barn, the stable is often the oldest building on the farmstead. The high value of horses to the running of the farm meant stables were well built and often placed near the house, with easy access to the fields, and given a certain level of architectural and decorative treatment. A few stables dating to before 1700 have been identified in local surveys, while many more date from the 18th century. One of the reasons for this rise in number was the decline in the use of oxen.

The size of stabling was, like granaries and cart sheds, loosely linked to the arable acreage of the farm. The number of horses needed to work a farm changed little until the arrival of the tractor, with one horse for every 20 acres being the frequently quoted figure. Smaller farms still needed a team of horses, so even a 50-acre farm might well have four horses. Most farms still kept a few working horses until the 1950s, and they were finally replaced by tractors during the 1960s. Farmsteads, and the farmyards attached to manor and gentry houses, often had stables for riding and coach horses, the upper floors commonly being used as accommodation for stable hands. These were usually well appointed and in some cases were used as displays of wealth and status, incorporating architectural detailing not found on most other farm buildings.

Stable interiors are characterised by:

- Horses commonly stalled in pairs with wooden stall divisions between them to stop them kicking each other (Figure 28). Cast-iron stable fittings often replaced wooden ones. More elaborate stalls and mangers were usually confined to the riding-horse rather than carthorse stable, but on many small farms the riding horse would have been kept alongside the working animals. In early (pre-1750) examples, the stalls are across the end walls while in later examples the stalls are along the side walls, allowing more scope for lengthening the building and thus housing more horses.

## 29 Stables in Yorkshire and the Humber

Stables are found on most farmsteads, with larger stables generally found on lowland farmsteads or large farms. Stables may be detached single- or two-storey buildings with haylofts above, or form part of larger ranges (see 24A and D Granaries and Cart Sheds, above).

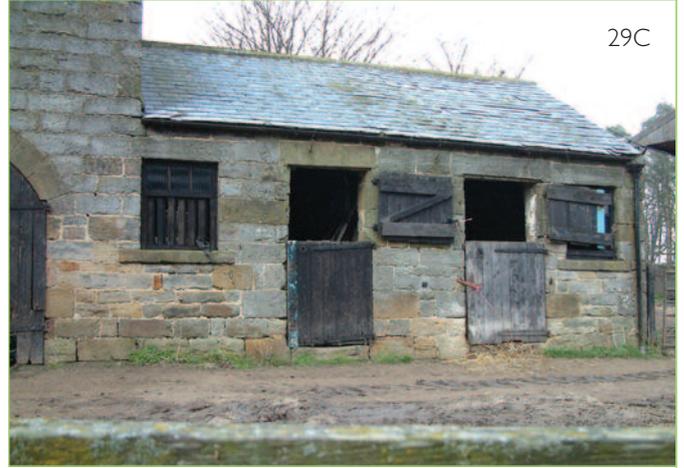
Stables in Yorkshire and the Humber do not have any regionally-specific characteristics other than the use of local building materials. (A and B Southern Magnesian Limestone; C North Yorkshire Moors and Cleveland Hills, D Vale of York )

A © English Heritage; B & C © Jen Deadman; D © Jeremy Lake

29A



29C



29B



29D



- A manger and hayrack, the latter often accessed from a drop from the hayloft above. Other types of fodder, such as crushed oats and bean straw, became more general after the mid-19th century.
- Floors, cobbled and from the mid-19th century of engineering brick, sloping to a drainage channel.
- A ladder to the loft.
- The harness was usually kept in a separate room and chaff boxes were built in to the structure for storing feed. Small cubby-holes for keeping grooming brushes, medicines or lanterns were often built into the walls.

Stable exteriors are characterised by being:

- Usually two-storey, with pitching openings and ventilation to the first-floor loft and an external staircase. The upper floor sometimes provided accommodation for farm labourers or stable lads. Despite textbook advice on the tainting of the hay, the practice of housing horses below haylofts persisted, partly because of the perceived need to protect horses from chills and draughts. Single-storey stables, commonly with cast-iron ridge vents, were built from the later 19th century.

- Well lit, with windows ideally opening to the east to catch the early morning light. The door was wider and higher than that in the cow house.

As stables were usually well-lit buildings they tend to be less vulnerable to changes that affect their character externally. Carthorse stables are far less likely to retain floor surfaces, internal stalls and fittings (such as saddle hooks) than riding-horse stables. Many stables, particularly those located within ranges that included cow houses, were converted into dairies when modern electrically powered milking and cooling machinery was introduced from the 1950s.

### 7.3.2 STABLES IN YORKSHIRE AND THE HUMBER

(Figure 29)

Whilst there are many documentary references to accommodation for working oxen the buildings have not survived. From at least the 16th century motive power for farm work in the Region, as well as carrying packs, was increasingly provided by horses. As with many other farmstead buildings in the Region, stables usually formed part of one of the ranges of buildings rather than being a

### 30 Pigsties: national examples

Generally 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) although in the Yorkshire and Humber Region pigsties without a yard are commonly found (C North Yorkshire Moors and Cleveland Hills). Typically pigsties have hatches and chutes for feeding and some form part of a larger

range of buildings and can be combined with poultry housing (D South East Northumberland Coastal Plain). Generally these buildings are extremely vulnerable to neglect as they offer little opportunity for other uses, although the solid construction of pigsties in this Region mean that possibly more survive than in some other Regions.

A & C © Jen Deadman; B © Peter Gaskell;  
D © English Heritage / Michael Williams

30A



30B



30C



30D



separate structure. They were usually under a hayloft with a hay drop from the loft into the hayrack below. There were great contrasts in the provision of stabling in the Region, ranging from one-horse farms in the Dales to the large arable holdings of lowland areas where large horse teams were needed. Small farms in the West Riding often accommodated more than one horse, as carting liquid milk and other produce was an important secondary activity close to industrial centres.

Horse rearing was important in parts of the Region but it is not yet clear whether farmsteads in these areas incorporated higher numbers of buildings such as stables or hay barns.

## 7.4 PIG HOUSING

### 7.4.1 NATIONAL OVERVIEW (Figure 30)

One or two pigs were kept on most farms, although the pigs often ran with other livestock in the fields, or roamed about the yard, rather than having their own 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.

### 31 Buildings for sheep in Yorkshire and the Humber

31

Buildings for sheep rarely form part of the farmstead. Field barns generally could be used for sheep or cattle; some have separate areas for both animals whilst there are some field shelters that were clearly for sheep alone. These 'hogg houses' were built for yearling sheep in their first winter and are identifiable by their lower entrances. In Swaledale there are examples where the animals were housed in the upper floor. This example is relatively small and probably housed less than 10 animals. (Yorkshire Dales)  
© Jen Deadman



- 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 YORKSHIRE AND THE HUMBER

The major area for commercial pig production from the late 18th century was the East Riding, which supplied the expanding urban areas to the west with bacon (RCHME 1987, p.184). Large-scale piggeries – mostly of mid-19th-century date – can be found on Holderness farmsteads, where pigs had been a major part of the farming economy from the 17th century (Birdsall 2000; Harwood Long 1960, p.107). On most farms where pigs were kept they were for domestic use only and pigsties were built to house small numbers of animals. Enclosed yards outside the sty are rare in this Region, pigs being allowed to wander in the yard.

## 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 most farmers had access. The sheep would only be gathered together 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, and 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 YORKSHIRE AND THE HUMBER (Figure 31)

Before the 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 enclosure of the commons meant that many thousands of sheep were sold off, and it was not until the 1820s and '30s when turnip culture was increasing that large flocks were re-established.

Upland farms typically made use of existing buildings for shearing sheep, and the patterns of surrounding walls indicate that they were built for the sorting and handling of sheep. In common with other northern upland landscapes, communal sheepfolds and folds next to streams for washing can be found in upland grazing areas, and small openings (sheep creeps) built in field boundaries. The remains of medieval sheep houses can also be visible as earthworks. Sheep were traditionally

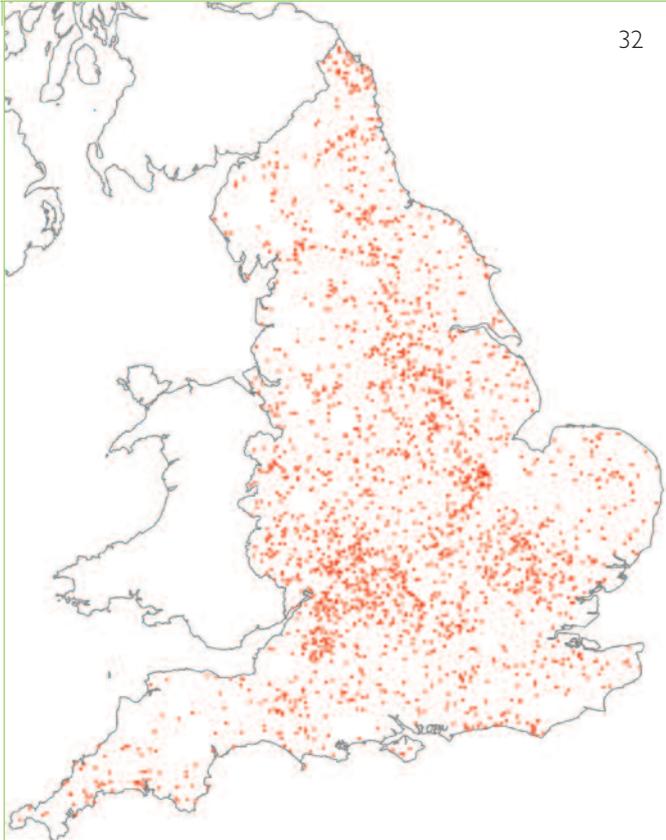
32 Distribution of listed dove-cotes in England. This distribution includes both free-standing dove-cotes and dove-cotes that are incorporated into other buildings. Although dove-cotes are found in all Regions, their concentration within Roberts and Wrathmell's Central Province, from Gloucestershire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

- A A 'beehive' type dove-cote with a roof constructed of corbelled stone. This form of dove-cote is only found in North East England and in the South West peninsula. (North Yorkshire Moors and Cleveland Hills)
- B Medieval circular dove-cote. Note the low doorway. (Dorset Downs and Cranborne Chase)

A © English Heritage; B © Bob Edwards

(continued overleaf)



32



kept close to the farm over winter in upland areas, and on pastures in more sheltered spots such as the Craven Dales (Winchester 2003, pp.58–62).

Along the Pennines field barns were a characteristic feature (see 8.1.2). Some of these buildings were intended for the sheltering of sheep, particularly hogs (yearling sheep) to give them protection over their first winter, as evidenced by the low floor height at ground floor below the hayloft.

As in Cumbria, a building for sheep similar in appearance to a field barn was found in Yorkshire. Although externally similar to field barns, internally the working arrangement was reversed by having the sheep shelter at first-floor level with hay storage below. The floor of the sheep shelter was made from stone slabs supported by stone joists (Menuge & Deadman 2004). The manure that built up in the hogg house could be moved out and used in the surrounding fields.

## 7.6 DOVES AND POULTRY

### 7.6.1 NATIONAL OVERVIEW (Figures 32 & 33)

The construction of a dove-cote indicated the status of the owner, as in the medieval period the keeping of



33B

33C



33 Accommodation for birds: national examples (continued)

- C A square stone-built dovecote with stepped gables probably dating from the 16th century. (Vale of Pickering)
- 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 19th-century granary. (Southern Magnesian Limestone)
- 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 © English Heritage; E & H © Bob Edwards; F & G © Jen Deadman; D 149817 Taken as part of the Images of England project © Mr Chris Tresise.

33D



33F



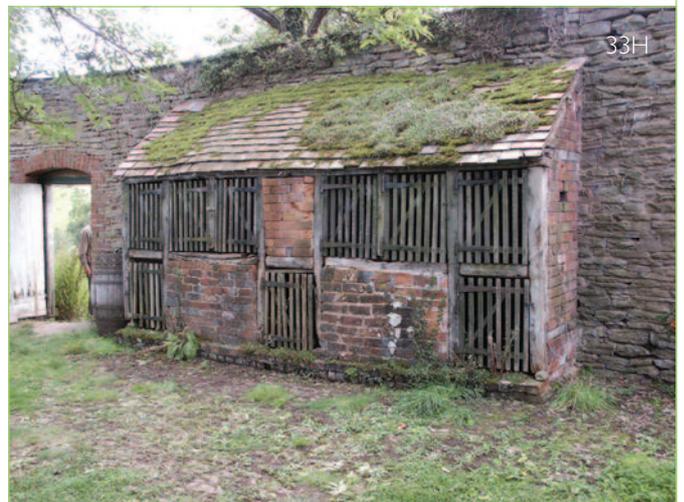
33G



32E



33H



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 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 poultingery 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 YORKSHIRE AND THE HUMBER

Although a small number of dovecotes are found across the Region, they are mainly concentrated in the south and the central vale lands. There appear to be few medieval or 16th-century dovecotes; those that survive include circular examples with corbelled stone roofs. Typically, the dovecotes of the Region are of 18th-century date, either square in plan with pyramidal roofs or incorporated into other farm buildings such as barns, stables and granaries. As in other Regions dovecotes built within parks or on gentry farms in the 18th century may be more ornate, sometimes being built in brick on an octagonal plan.

# 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 YORKSHIRE AND THE HUMBER (Figure 34)

In areas characterised by larger farms, typically in the Wolds and surrounding flatlands (particularly Holderness), outfarms mostly dating from the mid-19th century are found. A survey of outfarms in the Wolds has found that they range from yards bounded by one or two ranges of shelter sheds to larger complexes incorporating barns (Hayfield 1989).

Field barns are a highly distinctive feature of parts of the Region. As well as the main byre and barn on the farmstead, upland farms also included isolated free-standing field barns. The buildings provided storage

for hay in a loft, reducing the need to cart it back to the main farmstead, and the cattle could be housed below, allowing for manure to be moved easily onto the surrounding fields in the spring. Another factor in the building of field barns was the more severe winter weather, which meant that cattle had to be housed for at least twice as long as in the South West.

Field barns combine with the intricate patterns of dry-stone walling to form an integral part of the Pennines Dales landscape, and they are particularly abundant in the northern gritstone Dales. Here cattle typically needed to be housed between October and May. The consequence was that field barns could house hay in as much as 75% of their internal space, the remainder being typically given over to stalling six or occasionally as many as twelve head of cattle, larger field barns often having stalls accommodated in a lean-to. They are documented from the early 17th century, and there is evidence that their construction is associated with the enclosure and emerging importance of cattle as the 'backbone' of the Dales economy by the late 17th century (Fieldhouse & Jennings 1978, p.152). There is archaeological evidence from the medieval period for elevated stack stands and the platforms of timber; cruck-built field barns often built across the slopes (Moorhouse 2003b, pp.308–10, 312–8). Grazing was regulated on the valley-side cow pastures in the Dales, but by the 16th century some of the grazing grounds were being subdivided through enclosure (see 4.2.1) among individual farmers. As holdings were typically scattered and intermixed, field barns dispensed with the need to bring cattle in to be milked on the steading and the tensions that inevitably arose when cattle were herded in all directions across the landscape to different homesteads (Winchester 2003, p.56, 69–70). James Tuke remarked in 1794 that a 50–60 acre Dales farm would have five or six field barns.

Surviving examples are predominantly of late 18th- and early 19th-century date, some being clearly sited on the foundations of earlier probably cruck-framed and heather-thatch-roofed structures. Some of the latter are recognisable through the curved outlines of former steeply pitched roofs later raised for heavier slate. They are characterised by one or two cow-house doors, and taking-in openings for hay. Internally, there was an opening that enabled armfuls of hay to be pulled from the hay store ('sink mow') into the cattle stalls. There are various types, in the earliest examples of which cattle were stalled with their heads facing the gable-end wall

### 34 Outfarms and field barns in Yorkshire and the Humber

The field barns of the Yorkshire Dales are probably the farm building type regarded as most characteristic of the Region. Field barns provided accommodation for cattle or sheep with a hayloft over. The number of field barns – often seemingly one per field – reflects the often fragmented land holdings of the farmers of the Dales. (A and B Yorkshire Dales)



34A

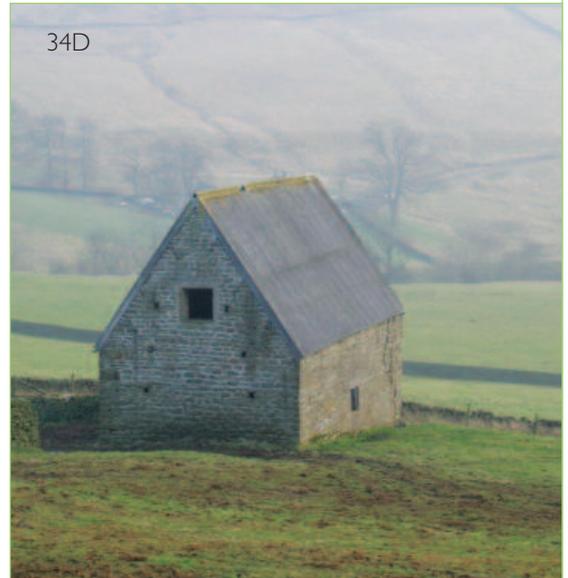
Larger farms, such as those of the Yorkshire Wolds and North Yorkshire Moors and some lowland parts of the Region, sometimes had outfarms set within the fields furthest from the farmstead where cattle were kept in a yard with their manure, which could be trampled with straw in preparation for being returned to the fields. (C North Yorkshire Moors and Cleveland Hills)  
© Jen Deadman



34B



34C



34D

(White 1997, p.76). Some field barns accommodated sheep (see 7.5.2).

Larger and earlier field barns are associated with the larger-scale fields (typically the product of enclosure by agreement that was complete by the early 18th century) found on the southern fringes of the Dales between Settle, Malham and Threshfield. Here the limestone offered opportunity for more mixed farm economies, where corn would be grown and 12 or more cattle – of which fatstock bound for the West Riding towns formed a large proportion – would be accommodated. Many surviving field barns are of late 17th-century or early 18th-century date, and are characterised by wide doors and porches for the off-loading and protection of hay and corn, and related yards for cattle and for stacking corn and hay (Menuge 2003; White 1997, pp.74–7; Lake 1989, pp.93–6; Raistrick 1947, p.81).

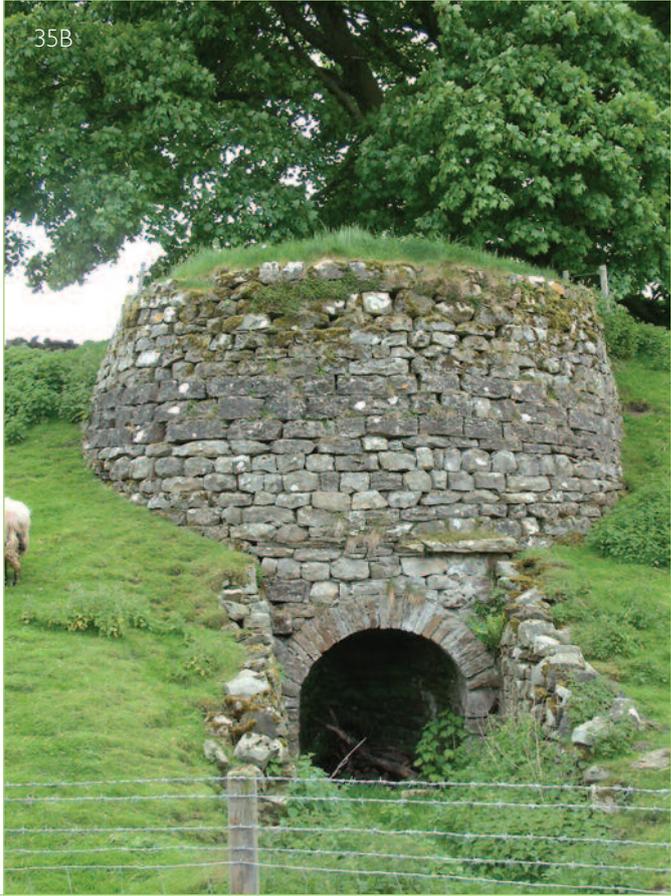
Field barns are also found in other parts of the Region, but they are less abundant and not such a prominent part of the landscape. In the North Yorkshire Moors, for example, they are typically lower in profile with haylofts above cattle housing (RCHME 1987, pp.172–3).

## 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

35 Minor and miscellaneous buildings in Yorkshire and the Humber  
 In and around farmsteads there can be a range of small structures and features of historic interest, such as kennels, mounting blocks or stone stiles. A small number of pinfolds or stock pounds (A) for stray animals survive in the Region. These structures were owned by the community rather than by individual farmsteads (A North Yorkshire Moors and Cleveland Hills). The Yorkshire and Humber Region also contains some of the few recorded examples of kilns built to burn limestone to provide lime for the fields (B Yorkshire Dales).  
 A © English Heritage; B © Jen Deadman



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.

**8.2.2 MINOR AND MISCELLANEOUS BUILDINGS IN YORKSHIRE AND THE HUMBER**(Figure 35)

Bees fed on heather moorlands of the north Yorkshire Moors, and recesses for bee skeps are visible on north Yorkshire farmsteads (RCHME 1987, p.186). Recesses are found in the side and gable walls of farm buildings and walls in the Vale of Pickering, where bees were traditionally taken up to the Moors in the summer.

Although not usually associated with the farmstead, walled sheep pounds are found in upland parts of the Region.

Farm lime kilns, where limestone was burnt to provide lime for spreading on fields now rarely survive – the Yorkshire and the Humber Region contains some of the few recorded examples in the country.

## 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

- Armstrong, A. (1990) 'Stone, stone working and vernacular buildings', *Yorkshire Vernacular Buildings Study Group Newsletter* **18**
- Armstrong, A. C. & A. Pacey (2001) *High Bradley: Architecture and History*, Pioneer Press Ltd, York
- Armstrong, A. (2003) 'Vernacular Building Materials', Ch. 11.3 in Butlin R. [Ed] (2003)
- Barnatt, J. and K. Smith (2004) *The Peak District*, Windgather Press, Macclesfield
- Beastall, T.W. (1966) 'A South Yorkshire Estate in the Late Nineteenth Century', *Agricultural History Review* **14.1**: pp.40–44
- Birdsall, M. (1997) 'Vernacular Buildings of Holderness', Yorkshire Buildings series, *Journal of the Yorkshire Vernacular Buildings Study Group* **25**: pp.26–32
- Birdsall, M. (2000) 'More Vernacular Buildings of Holderness', Yorkshire Buildings series, *Journal of the Yorkshire Vernacular Buildings Study Group* **28**: pp.2–23
- Brumhead, D. (1979) *Geology Explained in the North Yorkshire Dales and on the Yorkshire Coast*, David & Charles, Newton Abbott
- Burton, J. (2003) 'Cistercian Granges', in Butlin, R.A. [Ed] (2003): pp.94–5
- Butlin, R.A. [Ed] (2003) *A Historical Atlas of North Yorkshire*, Westbury Publishing, Ilkley
- Butlin, R. A. (2003a) *Agriculture in North Yorkshire c 1600 – 1780*, in Butlin R. [Ed] (2003): pp. 143–7
- Butlin, R. A. (2003b) *Agriculture in North Yorkshire c 1780-1900*, in Butlin R. [Ed] (2003): pp. 147–54
- Chapman, J. (1976) 'Parliamentary Enclosure in the Uplands: the Case of the North York Moors', *Agricultural History Review* **24.1**: pp.1–17
- Chapman, J. (2003) 'Parliamentary Enclosure', in Butlin R. [Ed] (2003): pp.154–6
- Faul, M.L. & S. Moorhouse [Eds] (1981) *West Yorkshire: An Archaeological Survey to AD 1500*, West Yorkshire County Council, Wakefield
- Fieldhouse, R. & B. Jennings (1978) *A History of Richmond and Swaledale*, Phillimore, Chichester
- Fleming, A. (1998) *Swaledale: Valley of the Wild River*, Edinburgh University Press
- Gaskell, P. & M. Tanner (1998) 'Landscape Conservation Policy and Traditional Farm Buildings: a case study of field barns in the Yorkshire Dales National Park', *Landscape Research* **23, No. 3**: pp.289–308
- Harwood Long, W. (1960) 'Regional Farming in Seventeenth-Century Yorkshire', *Agricultural History Review* **8, No. 2**: pp.103–14

- Harwood Long, W. (1969) 'A Survey of the Agriculture of Yorkshire', *Journal of the Royal Agricultural Society of England* **29**
- Harrison, B. (1989) 'The Mediaeval landscape' in Spratt, D.A. & B. Harrison [Eds] *The North York Moors*, David and Charles, Newton Abbott
- Harrison, B. (1991) 'Longhouses in the Vale of York', *Vernacular Architecture* **22**: pp.31–9
- Harrison, B. (2001) 'Extramural Yet Within the Walls', Yorkshire Buildings series, *Journal of the Yorkshire Vernacular Buildings Study Group* **29**: pp.75–6
- Harrison, B. (2002) 'Vernacular Buildings of the Flamborough Headland', Yorkshire Buildings series, *Journal of the Yorkshire Vernacular Buildings Study Group* **30**: pp.3–31
- Harrison, B. & B. Hutton (1984) *Vernacular Houses in North Yorkshire and Cleveland*, John Donald, Edinburgh
- Hartley M. & J. Ingilby (1956) *The Yorkshire Dales*, Dent
- Hartley, M. & J. Ingilby (1968) *Life and Tradition in the Yorkshire Dales*. Smith Settle, Otley
- Hartley M. & J. Ingilby (1972) *Life in the Moorlands of North East Yorkshire*, Smith Settle, Otley
- Hartley, M. & J. Ingilby (1986) *Dales Memories*, Dalesman, Clapham, Lancaster
- Hartley, M. & J. Ingilby (1997) *Life and Tradition in the Yorkshire Dales*, Smith Settle, Otley
- Harvey, N. (1997) 'Helms, Vernacular and Industrial' *Journal of the Historic Farm Buildings Group* **11**
- Hayfield, C. (1991) 'Manure factories? The post-enclosure high barns of the Yorkshire Wolds', *Landscape History* **13**: pp.33–45
- Hayes, R.H. & J.G. Rutter (1972) *Cruck-framed Buildings in Ryedale and Eskdale*, Scarborough and District Archaeological Society Research Report **8**
- Hellier, R. & B. Hutton (1987) 'A model farm at Scarthingwell near York', *Agricultural History Review* **35, No. 1**: pp 72–5
- Hey, D. G. (1969) 'A Dual Economy in South Yorkshire', *Agricultural History Review* **17, No. 2**: pp.108–19
- Hey, D.G. (1984) 'Yorkshire and Lancashire', in Thirsk [Ed]: pp.59–88
- Illingworth, J.L. & A. Raistrick (1967) *The Face of North West Yorkshire*, Dalesman Publishing Co
- Jennings, B. [Ed] (1983) *A History of Nidderdale*. Advertiser Press, Huddersfield
- Jennings, B. [Ed] (1992) *Pennine Valley: a History of Upper Calderdale*. Smith Settle, Otley
- Jones, B. & D. Mattingley (1990) *An Atlas of Roman Britain*, Blackwell, Oxford
- Manby, T.G., S. Moorhouse. & P. Ottaway [Eds] (2003) *The Archaeology of Yorkshire: An assessment at the beginning of the 21st century*, Yorkshire Archaeological Society Occasional Paper **3**, Huddersfield
- Marshall, W. (1788) *The Rural Economy of Yorkshire*. London
- Mason, K. (1989) 'Laithes, the barns of Craven', *Folk Life* **27**: pp.85–94
- Mason, K. & A. Pacey [date] 'Corn Drying Kilns in Wharfedale and Mid-Airedale' Yorkshire Buildings, *Journal of the Yorkshire Vernacular Buildings Study Group* **28**: pp.82–93
- Menuge, A. (2003) 'Field Houses of the Yorkshire Dales', in Butlin R. [Ed] (2003): pp.220–3
- Menuge, A. & J. Deadman (2004) 'The Hogg Houses of Upper Swaledale' in White, R.F & P.R. Wilson [Eds] *Archaeology and Historic Landscapes of the Yorkshire Dales*, Yorkshire Archaeological Society Occasional Paper **2**, Huddersfield
- Menuge, N. J. (2003) 'Drainage and Wetland Sites in the Vale of Pickering', in Butlin R. [Ed] (2003): pp.157–8
- Moorhouse, S. (2003a) 'Medieval Yorkshire: a Rural Landscape for the Future', in Manby, Moorhouse & Ottaway [Eds] op cit
- Moorhouse, S. (2003b) 'Anatomy of the Yorkshire Dales: decoding the medieval landscape', in Manby, Moorhouse & Ottaway [Eds] op cit
- Moorhouse, S. & M. Faull [Eds.] (1981) *West Yorkshire: An Archaeological Survey*, West Yorkshire Metropolitan County Council
- McDonnell, J. (1990) 'Upland Pennine Hamlets', *Northern History* **26**: pp.20–39
- Muir, R. (1991) *The Dales of Yorkshire: a Portrait*, Macmillan, London
- Muir, R. (1997) *The Yorkshire Countryside: A Landscape History*, Keele University Press, Edinburgh
- Neave, S. & Ellis, S. (1996) *An Historical Atlas of East Yorkshire*, Hull University Press
- Nicholson, T. (1965) *Cruck House in North east Yorkshire*, The Ryedale Historian No. **1**: pp.24–31
- Pevsner, N. (1972) *Yorkshire and The East Riding: The Buildings of England*, Penguin, Harmondsworth
- Pevsner, N. (1985) *Yorkshire – The North Riding: The Buildings of England*, Penguin, Harmondsworth
- Raistrick, A. (1947) *Malham and Malham Moor* Dalesman, Clapham
- Raistrick, A. (1968) *The Pennine Dales*, Eyre and Spottiswoode, London

- Raistrick, A. (1968) *Old Yorkshire Dales*, David & Charles, London
- Raistrick, A. (1970) *West Riding of Yorkshire*, Hodder and Staughton, London
- Raistrick, A. (1989) *Buildings of the Yorkshire Dales*, Dalesman Books, Todmorden
- Ramm, H.G., R.W. McDowall, & E. Mercer (1970) *Shielings and Bastles*. HMSO, London
- RCHME (1986) *Rural Houses of West Yorkshire 1400–1830*, HMSO, London
- RCHME (1987) *House of the North York Moors*, HMSO, London
- Ryder, P. (1980) *Timber Framed Buildings in South Yorkshire*, South Yorkshire County Archaeology Monograph 1
- Ryder, P. (1980) 'Vernacular buildings in South Yorkshire', *Archaeological Journal* **137**: pp.77–85
- Ryder, P. (2002) 'Timber Framing in South Yorkshire: confluence or confusion?' in Stenning, D.F. & D.D. Andrews (1998) *Regional Variation in Timber-Framed Building in England and Wales Down to 1550*, Essex County Council, Chelmsford
- Siddle, D.J. (1967) 'The Rural Economy of Medieval Holderness', *Agricultural History Review* **15.1**: pp. 40-45
- Sheppard, J.A. (1961) 'East Yorkshire's Agricultural Labour Force in the mid-Nineteenth Century', *Agricultural History Review* **9.1**: pp. 43-54
- Spratt, D.A. & Harrison, B. [Eds.] (1989) *The North York Moors*, David and Charles, Newton Abbott
- Tuke, J. (1794) *A General View of the Agriculture of the North Riding of Yorkshire* Board of Agriculture, London
- Tuke J. (1800) *General View of the Agriculture of the North Riding of Yorkshire* Board of Agriculture, London
- Tyers, I. & C. Groves (2002) 'Dendrochronology and the Analysis of Whiston Barn, near Rotherham', Yorkshire Buildings series, *Journal of the Yorkshire Vernacular Buildings Study Group* **30**: pp.72–84
- Walton, J. (1947) *Homesteads of the Yorkshire Dales*, 1979 reprint, Dalesman, Clapham
- Walton, J. (1948) *Cruck-framed Buildings in Yorkshire*, Smith Settle, Otley
- Walton, J. (1955) *Early Timbered Buildings of the Huddersfield District*. Tolson Memorial Museum, Huddersfield
- White, R. (1997) *The Yorkshire Dales*, Batsford, London
- White, R. (2002) *The Yorkshire Dales: a Landscape through Time*, Great Northern Books
- White, R. & G. Darlington (2004) 'Houses built in most of the fields: Field Barns in Swaledale and Arkengarthdale' in *Archaeology and Historic Landscapes of the Yorkshire Dales*, Y.A.S. Occasional Paper **2**: Ch. 16
- White, R.F & P.R. Wilson [Eds] (2004) *Archaeology and Historic Landscapes of the Yorkshire Dales*, Yorkshire Archaeological Society Occasional Paper **2**, Huddersfield
- Willan, T.S. & E.W. Crossley (1941) 'Three Seventeenth Century Yorkshire Surveys', *Yorkshire Archaeological Society Record Series* **104**

# 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)
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- 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)

- 52 **White Peak** [www.countryside.gov.uk/Images/JCA52\\_tcm2-21149.pdf](http://www.countryside.gov.uk/Images/JCA52_tcm2-21149.pdf)
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- 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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- 60 **Mersey Valley** [www.countryside.gov.uk/Images/JCA60\\_tcm2-21098.pdf](http://www.countryside.gov.uk/Images/JCA60_tcm2-21098.pdf)
- 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)
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- 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)
- 82 **Suffolk Coast and Heaths** [www.countryside.gov.uk/Images/JCA082%20-%20Suffolk%20Coasts%20and%20Heaths\\_tcm2-21185.pdf](http://www.countryside.gov.uk/Images/JCA082%20-%20Suffolk%20Coasts%20and%20Heaths_tcm2-21185.pdf)
- 83 **South Norfolk and High Suffolk Claylands** [www.countryside.gov.uk/Images/JCA083%20-%20South%20Norfolk%20and%20High%20Suffolk%20Claylands\\_tcm2-21186.pdf](http://www.countryside.gov.uk/Images/JCA083%20-%20South%20Norfolk%20and%20High%20Suffolk%20Claylands_tcm2-21186.pdf)
- 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)
- 85 **Breckland** [www.countryside.gov.uk/Images/JCA085\\_tcm2-21187.pdf](http://www.countryside.gov.uk/Images/JCA085_tcm2-21187.pdf)
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- 87 **East Anglia Chalk** [www.countryside.gov.uk/Images/JCA087%20-%20East%20Anglian%20Chalk\\_tcm2-21189.pdf](http://www.countryside.gov.uk/Images/JCA087%20-%20East%20Anglian%20Chalk_tcm2-21189.pdf)
- 88 **Bedfordshire and Cambridgeshire Claylands** [www.countryside.gov.uk/Images/JCA88\\_tcm2-21158.pdf](http://www.countryside.gov.uk/Images/JCA88_tcm2-21158.pdf)
- 89 **Northamptonshire Vales** [www.countryside.gov.uk/Images/JCA89+94\\_tcm2-21159.pdf](http://www.countryside.gov.uk/Images/JCA89+94_tcm2-21159.pdf)
- 90 **Bedfordshire Greensand Ridge** [www.countryside.gov.uk/Images/JCA090\\_tcm2-21190.pdf](http://www.countryside.gov.uk/Images/JCA090_tcm2-21190.pdf)
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- 92 **Rockingham Forest** [www.countryside.gov.uk/Images/JCA92\\_tcm2-21161.pdf](http://www.countryside.gov.uk/Images/JCA92_tcm2-21161.pdf)
- 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)
- 97 **Arden** [www.countryside.gov.uk/Images/JCA097%20-%20%20Arden\\_tcm2-21191.pdf](http://www.countryside.gov.uk/Images/JCA097%20-%20%20Arden_tcm2-21191.pdf)
- 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)
- 105 **Forest of Dean and Lower Wye** [www.countryside.gov.uk/Images/JCA105%20-%20Forest%20of%20Dean%20and%20Lower%20Wye\\_tcm2-21198.pdf](http://www.countryside.gov.uk/Images/JCA105%20-%20Forest%20of%20Dean%20and%20Lower%20Wye_tcm2-21198.pdf)
- 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)