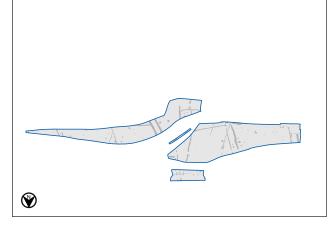
CHAPTER 4

The development of the agricultural landscpae from the middle Iron Age to the end of the Romano-British farmstead (c 400 BC-5th century AD)

by Nicholas Cooke





Significant changes to these field systems were only made during the later Iron Age and early Roman period, when many of the landscape boundaries were realigned.

The Perry Oaks landscape of the later Roman period bears testimony to the gradual pressure of social, political and economic demands, perhaps produced by upheavals within the regional and imperial Roman administration during the 3rd century AD. The result, in archaeological terms, was the appearance of a system of enclosures and a major droveway that seemed to overwrite the previous land divisions and swallow up previously previous land divisions and swallow up previously

Introduction

After the abandonment of the small, dispersed settlements occupied by the Bronze Age inhabitants, and following the early Iron Age, the Perry Oaks landscape came under new cultural and economic influences and political designs. These resulted in the emergence of a nucleated settlement of round-focal point for activity during the late Iron Age and Roman period. The daily and seasonal routine of the Perry Oaks inhabitants continued to be dictated by the requirements of a localised agricultural regime, and remnants of the ancient Bronze Age field sand remnants of the ancient Bronze Age field such requirements of the postsines.

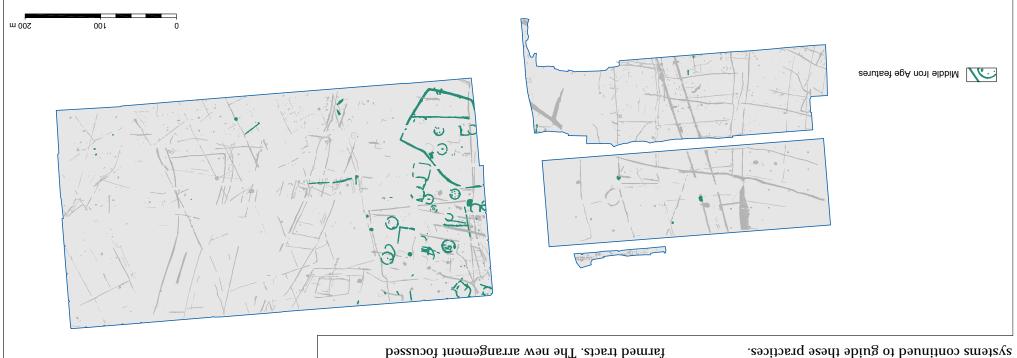


Figure 4.1: Extent of middle Iron Age occupation at Perry Oaks

ditches belonging to the field systems either side of the settlement, along with small quantities of early and middle Iron Age pottery. The lack of middle Iron Age pottery. The lack of middle a change in farming practices during the Iron Age, whereby waste material from the settlement was no longer being used to fertilise the arable fields. However, a more likely explanation is that the original field ditches had fully silted by the middle Iron Age and only the hedges survived to define Iron Age and only the hedges survived to define the field boundaries. In these conditions, Iron Age pottery from manuring material would remain on the ground surface, subject to weathering, scatter and ultimately loss in the truncated landscape.

Chronological indicators

The dating of Iron Age settlement sites generally relies upon associated ceramics, but much of the lron Age pottery from Perry Oaks was not closely datable and artefacts associated with the settlement were scarce overall, in common with other Iron Age sites excavated in the region. No scientific dates are available for the origin of settlement or for the sequence of excavated atructures. The absence of suitable organic or charred material from penannular gullies representing the middle Iron Age structures, and the likelihood of contamination by intrusive material, ruled out radiocarbon dating as a practical option.

This continuity of land-use suggests that there was a recognised system of land control. If and when land changed hands, it did so without significant alteration to the general field system. This area of the Heathrow landscape may have been farmed in broadly the same way for over 2000 years, beginning in the early Bronze Age and continuing into the middle Iron Age.

been recut at greater depth than the original, gullies (no. 8; see Figs 4.6 and 4.10 below) had post-built structures. One of the roundhouse at least eighteen roundhouses and ancillary in the form of penannular gullies representing Iron Age. The nucleated settlement was preserved begun earlier, during the late Bronze Age or early Iron Age (Fig. 4.1), but its development may have evidence for this settlement dating to the middle nucleated settlement. There is clear structural appears to have been abandoned in favour of concentrated within the extensive field system practice, the pattern of dispersed small settlements Despite the apparent continuity of agricultural and continuing into the middle Iron Age. 2000 years, beginning in the early Bronze Age

The new settlement occupied a previously open area that may have been common land during the Bronze Age, and the inhabitants certainly farmed fields that were originally laid out during this earlier period. Relatively large numbers of Bronze Age pottery sherds were recovered from the

continued into the late Iron Age and Roman period.

function (see below). It is clear that the structures

some way, perhaps incorporating a non-domestic

more properly a surrounding ditch. This particular

structure or location may have been special in

formed the main focus of settlement, which

outwards and away from the ancient local community. Although it had undoubtedly developed piecemeal, and probably had its origins in the Iron Age, the patterns resemble cumulative 'ladder enclosures'. Livestock and other commodities were moved across the Perry Oaks site along the central droveway of the ladder enclosures, penned overnight in the flanking enclosures, and driven away towards markets to the north and south. These markets were perhaps controlled by elite landlords of large Roman villas.

survive at Perry Oaks. But the extent of the medieval field systems and the scale of the trackway imply that the site reverted to localised rural inhabitation and agricultural activity.

the alignment of a post-medieval trackway that

be traced in the medieval ridge and furrow and

Some residue of this late Roman landscape can

The middle Iron Age settlement (Fig. 4.1)

The agricultural landscape of Perry Oaks, established during the early and middle Bronze Age, remained relatively unchanged well into the Iron Age, although as we have seen, there is little evidence for activity during the early part of the Iron Age waterholes (see Chapter 3) indicate that many of the field boundaries remained in place, and although no obvious effort had been made to maintain the ditches associated with the original hedgerows, there appears to have been original hedgerows, field bears to have been original hedgerows, field and although no by the pattern of the Bronze Age field enclosures.

Луэзэод әүд

| Mean sherd Weight (g) | Weight (g) | No. sherds | Feature Type |
|-----------------------|------------|-------------|----------------------------|
| 7237 | 5235 | 70 <i>t</i> | Ditch |
| 220 | 220 | 901 | Gully |
| 8273 | 8273 | 1462 | јіq |
| 922 | 922 | 126 | Posthole |
| 3088 | 3088 | 320 | Roundhouse gully (8) |
| 0197 | 0197 | 989 | Roundhouse gullies (other) |
| 601 | 601 | 56 | Treethrow |
| 519 | 519 | 30 | Waterhole |

200 m

Middle Iron Age pottery

Table 4.1: Quantification of pottery by feature type for the middle Iron Age

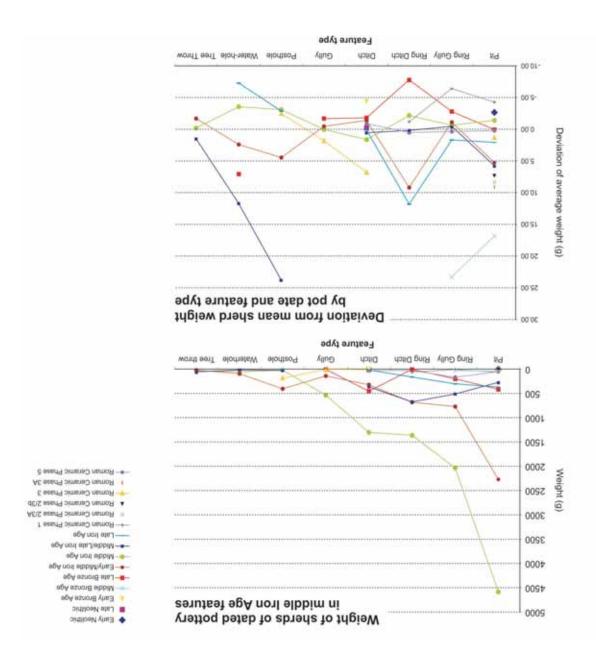
the topsoil and subsoil of the fields. the tree-throws captured material circulating in or corners of the extant Bronze Age fields, whilst were commonly located close to the boundaries waterholes and tree-throws (Fig. 4.2). Waterholes from beyond the core settlement area came from Most of the Middle Iron Age pottery recovered

vessel fragments. to some degree deliberate deposits of large weight for the waterhole assemblages reflects of fields or dispersed middens. The mean sherd features is likely to have derived from manuring mentary pottery from tree-throws and other small fairly rapidly following breakage. The more fraghighest, suggesting that the pots were deposited was most productive and its mean sherd weight amounts from pits and ditches. Penannular gully 8 representing the sites of roundhouses, with smaller ment (Fig. 4.2), most from the pennanular gullies from structural features associated with the settle-The majority of middle Iron Age sherds came the middle Iron Age is presented in Table 4.1. Quantification of pottery by feature type for

(a more widespread distribution. distribution demonstrates that sandy wares were settlement, whilst the flint-tempered wares had and middle Iron Ages. Analysis of the ceramic concentrated in the area of the middle Iron Age Age, whilst the sandy wares are dated to the early period are classified as late Bronze Age/early Iron process. Flint-tempered wares of this transitional to sandy-tempered wares was clearly a gradual contemporary, although the shift in preference

Figure 4.2: Distribution of middle Iron Age pottery

new pottery tradition may have been broadly nucleated settlement and the adoption of a sand-tempered pottery fabrics. The origin of the broadly corresponded with the adoption of the Bronze Age to a more nucleated settlement The change from small scattered occupation of



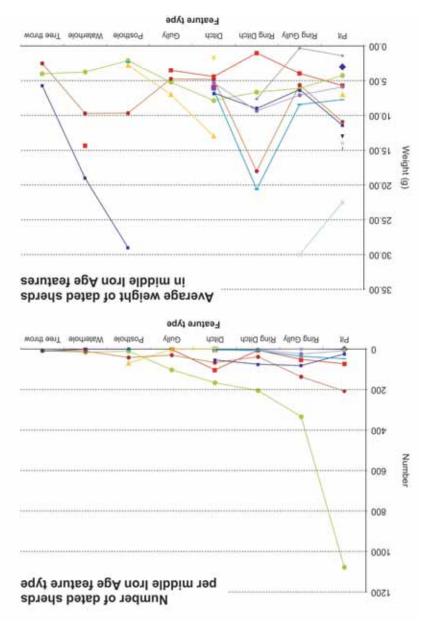


Figure 4.3: Distribution of pottery by middle Iron Age feature type

could be predicted on the basis that these fills formed as a result of activity associated with the use of the relevant features, and as such, are relatively high energy deposits. The material they contained was incorporated more rapidly than the material recovered from the tertiary fills, which accumulated slowly, and incorporated which accumulated slowly, and incorporated higher levels of badly abraded material.

Səirogətas categories

Turning to the other finds categories from the middle Iron Age features, it is clear that there is some variation between artefacts recovered from the different feature types (see graph in Fig. 4.4). The most notable pattern is that displayed by the animal bone and the burnt flint, which appear to have an inverse relationship to each other within particular features, especially in the case of pits, penannular gullies and ditches.

Burnt flint was more common in penannular gullies and ditches than animal bone whilst animal bone was more common in the roundhouse gully 8 and in pits. Although the graph in Fig. 4.4 is based on finds by count in these features, the total weights produce a similar picture (see Fig. 4.5). Animal bone and burnt flint rarely occur at the same levels of distribution, and this may reflect two key factors—the general paucity and poor condition of animal bone from the site overall, and the range of activities that produced burnt flint.

There is also a clear difference between the material recovered from pits and from penannular gully 8.

suggestion that the late Bronze Age/early Iron Age sherds are residual, in that they generally fall below the mean weights for pits. Conversely, shove for the late Iron Age are generally slightly above average, suggesting that these are more likely to date the layers in which they occur.

The second set of graphs (Fig. 4.4) presents the distribution of dated material in different fill types of middle Iron Age features. The main context types recorded are primary, secondary and tertiary fills, with small numbers of deposits recorded as deliberate placements of material and miscellaneous unclassified 'other fills'.

The first graph in Figure 4.4 shows a number of sherds of different date following similar patterns within the main fill groups. Most of the pottery was recovered from secondary fills with smaller quantities in primary and tertiary fills.

When the average weights were examined, some interesting patterns emerged. The middle Iron Age pottery produced the expected profile, with the largest sherds recovered from the primary fills and the smallest from the tertiary fills, with the caveat that quantities of pottery from the latter were low overall. The late Bronze Age\early Iron Age pottery showed a different pattern, with small sherds recovered from both the primary and secondary fills.

The general pattern of pottery loss and deposition suggests that secondary fills contained the most pottery and the largest sherds by average weight (taking into account sample size). This pattern

The pottery recovered from the fills of middle lron Age features dated from several different periods, ranging from the early Neolithic through to the Roman period (Fig. 4.3). Most of this pottery was residual and the small quantities of late Iron Age and Roman pottery recovered from these features was intrusive in the upper fills, or came from later Iron Age or Roman deposits within from later Iron Age or Roman deposits within the top of these features.

An anomaly in the pattern is demonstrated by the late Bronze Age\early Iron Age pottery, which occurred in greater numbers in ditch fills than in any other feature type. However, given be significant. The graph displaying the total weights of the dated pottery lost by middle weights of the dated pottery lost by middle iron Age feature type shows a similar pattern to that displayed by the sherd numbers (Fig. 4.3).

The two remaining graphs on Figure 4.3 show the average weights of sherds by feature type along with the deviation of these values from the mean for the feature type. These display a similar pattern. Many of the values can be discounted, as these are skewed by the small number of sherds. The only periods containing more than 100 sherds were the late Bronze Age/early Iron Age, the middle Iron Age and the late Iron Age.

The pattern that emerges is that the largest sherds tend to occur in pits and penannular gullies, and smaller sherds in other gullies and waterholes, although there is some difference between sherd groups of different dates. Interestingly, the pattern also supports the

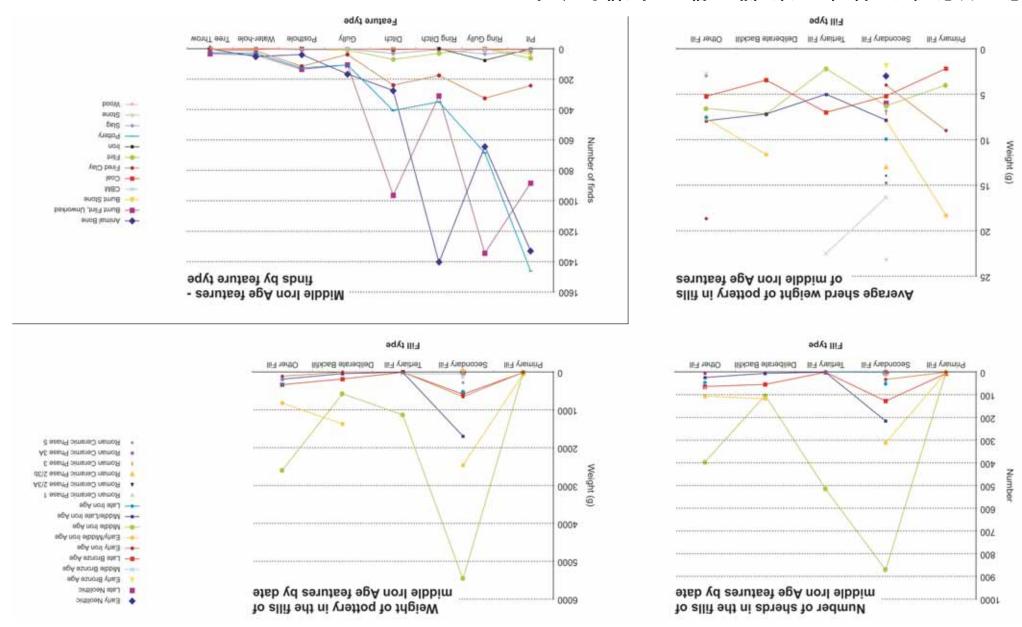


Figure 4.4: Distribution of dated material in different fill types of middle Iron Age features

large irregular ditched enclosure (see below), and the fact that the major structures were built on the eastern edge of the settlement. It may have been that the main focus of agricultural activity lay to the east, in the extensive field systems of the upper terrace.

The penannular gullies/roundhouses (Fig. 4.6)

The settlement contained at least 18 roundhouse sites, represented by penannular gullies which were either eaves drip gullies or enclosures around buildings. Few structural features in the form of postholes or wall slots survive. Most of the gullies had south-east facing entrances, but one (penannular gully 8) faced north-west.

some of the other gullies cannot be excluded, as The possibility that similar causeways existed in the direction of sunset at the midsummer solstice. smaller north-west facing entrance aligned on references within the structure itself, with the may represent a re-enforcing of the cosmological rather than the product of truncation—then it of the gullies suggests that these are genuine gaps these gullies had dual entrances—and the depth of the structures excavated. If it were the case that including penannular gully 3, the northernmost entrances in addition to their south-east entrances, gullies may also have had smaller north-westerly Oswald 1997). Three of the Perry Oaks roundhouse and cosmological implications (Fitzpatrick 1997; through which the sun will shine having practical entrances is well known, with a sheltered doorway The south-easterly orientation of roundhouse

location of the settlement points to continuity both of the field system and also potentially the basics of agricultural exploitation. This suggests that the inhabitants of the settlement farmed the settlement location perhaps reflecting a need to free up land previously containing settlements for agricultural exploitation, and indicating a possible change in working practices.

The settlement

The Middle Iron Age settlement was established in what had apparently been an open, possibly common, block of land in the Bronze Age landscape of Perry Oaks, which was intersected by two west-east aligned Bronze Age ditches (Fig. 4.6).

common alignment of the roundhouse doorways, eastwards. Whilst this is due in part to the most of the structures of the Perry Oaks settlement faced be significant, however, that the major alignments to the south of Heathrow (Merriman 1990). It may which also lies on the edge of the Taplow terrace, leled at a similar settlement at Mayfield Farm, been an important resource. The location is paralgrazing, whilst the nearby River Colne would have suited to specific forms of activity such as animal wetter lower terrace to the west would have been the different landscape zones surrounding it. The placed to exploit the possibilities afforded by of the Taplow terrace ensured that it was ideally landscape is intriguing. Its position on the edge The location of the settlement within the wider

recovered from the penannular gullies is also clear. This preliminary examination of the finds assemblage from the different feature types associated with the newly created middle Iron Age settlement has raised several points for further discussion. However, prior to focussing on the settlement itself, it is perhaps worth looking at its raison d'être. The

The relatively low proportions of animal bone

northern arc of gully 8 and in two of the pits.

A plot of the animal bone by weight (Fig. 4.5) also shows a clear concentration in the in the

peaks in some of the penannular gullies, as well as a concentration in the northern arc of penannular

relatively widespread, and not concentrated on any particular feature type or area. It does show

by weight (Fig. 4.5) shows that the material was

presenting the overall distribution of burnt flint

depositional practices at these locations. A plot

than burnt flint. This may well reflect different

than animal bone. The ditch groups produced a similar result. Penannular gully 8, on the other

with none containing more than 200 g of animal bone, and most containing far more burnt flint

penannular gullies showed remarkable similarities,

were the ditches and penannular gullies. The finds groups recovered from sections through the

types which did show a high level of correlation

bone that influenced the overall ratios. The feature

did not form a coherent group. Rather, there were a small number of pits with high levels of animal

against that of burnt flint indicated that the pits

Plotting the weight of animal bone from pits

hand, contained far more animal bone on average

gully 8.

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it is also reflected in the location of the entrance to a



Figure 4.5: Burnt flint and animal hone in middle from Age features

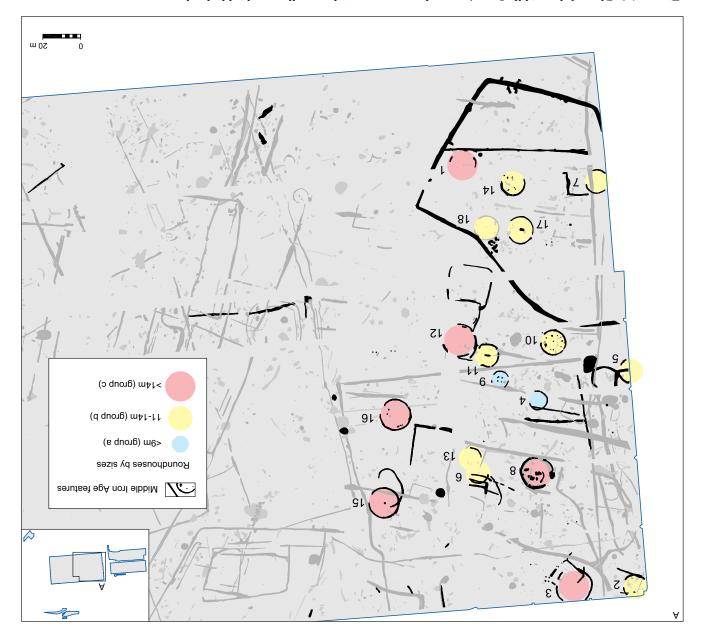


Figure 4.6: Plan of the middle Iron Age settlement core, with roundhouses highlighted

these were either only partially preserved or not fully exposed in the excavated area.

The gullies representing the 18 roundhouses can be divided into three distinct groups on the basis of internal diameter. Penannular gully 8, which was originally c 13 m diameter, but larger (c 15 m dia.) and much deeper when recut (see Fig. 4.10 below), has been included twice, creating a total of 19. Table 4.2 shows the variation in diameter of penannular gullies at Perry Oaks.

The three major groups are as follows:

- Group (a) Two gullies of 9 m diameter.
- Group (b) Eleven gullies ranging from 11 to 14 m diameter.
- Group (c) Six gullies with diameters greater than 14 m (nb some diameters are calculated based on surviving short lengths of gully and may be inaccurate).

| No. of penannular roundhouse gullies | Diameter (m) |
|---|--------------|
| 7 | 01-6 |
| 0 | 11-01 |
| 9 | 21-11 |
| t | 12-13 |
| 2 | 13-14 |
| l l | 91-71 |
| 3 | 91-91 |
| l | ۷۱-9۱ |
| l l | 61 |

Table 4.2: Diameter of roundhouses at Perry Oaks

produced the largest numbers of sherds. may have incorporated a non-domestic function, somewhat tenuous. Gullies 3 and 8, both of which as short stretches and its classification by size was aceramic. This feature, however, survived only the most pottery, although one, Gully 1, was The largest gullies, Group (c), generally produced the Group (b) gullies produced 0-49 sherds. of Group (a) contained very little pottery, whilst

recovered from its fill. recut and the generally greater quantity of finds a special case, due to the substantial size of the

indicators of domestic activity. The smaller gullies This assumes that pottery loss is one of the main and the number of sherds of pottery in each. between the diameters of the penannular gullies The first graph in Figure 4.7 shows a correlation

in the gully fills (Fig. 4.7). Penannular gully 8 is by examining the quantities of domestic material in the distribution, which has been further defined area (Fig. 4.6). There is some significance apparent Group (a), lay within the centre of the settlement widely dispersed, whilst the two smallest gullies, intermediate sized gullies, Group (b), were more along the eastern edge of the settlement. The The six largest gullies, Group (c), were all sited

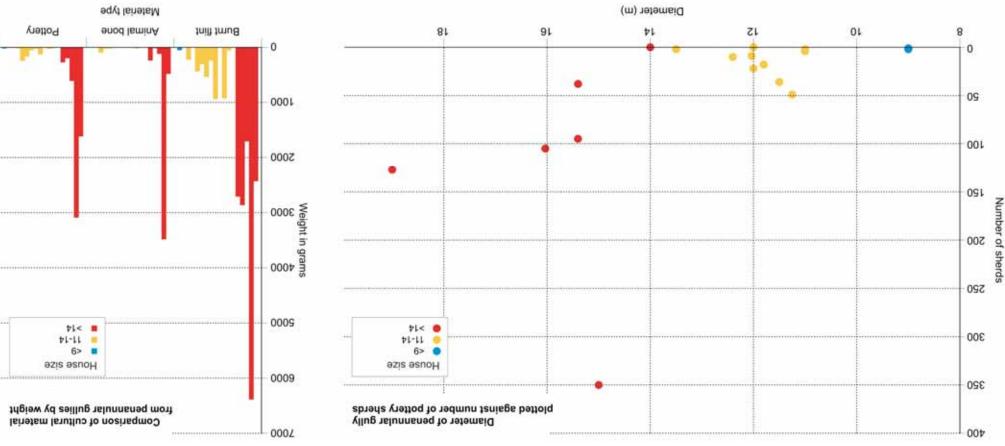


Figure 4.7: Correlation between the diameters of the penannular gullies and the quantities finds within them

Group (a) gullies

The two smallest gullies, 4 and 9 of Group (a), were situated close to one another (Figs 4.6 and 4.8). Gully 9, the more easterly of the two, enclosed a group of posts possibly representing a four-post structure. Four postholes of similar size lay c.2 m apart, forming a rough square, while and may have been unrelated or may indicate the position of a ladder or steps. This structure was centred within the gully, aligned on the southeast facing entrance (the other gaps are the result of truncation). The traditional interpretation of similar four-post structures is that they were similar four-post structures is that they were

average sherd size of pottery recovered from these two roundhouse gullies and the other four Group (c) gullies, as demonstrated in Table 4.3. Also included in this table are the figures for the weight of fired clay, burnt stone and ceramic building material (CBM) from each feature, which are, again, more common in the larger gullies. On the basis of this, it seems reasonable to suggest that most of the Group (c) structures were more likely to have been used for domestic purposes likely to have been used for domestic purposes exceptions; see below) than the smaller Group (a) structures may exceptions; see below) than the smaller Group (a) structures may astructures, whilst the Group (b) structures may bave had a secondary domestic role.

The use of pottery sherds as a sole indicator of domestic activity is unreliable, and therefore the second graph on Figure 4.7 considers three components of the finds assemblage from the gullies—the total weight of pottery, the total weight of animal bone and the total weight of burnt flint.

The results indicate greater quantities of material from the larger penannular gullies, with especially large amounts from gullies surrounding structures 3 and 8. These features may have been foci for deliberate deposition, with the large numbers of animal bones from the partially silted ditch of penannular gully 8 being of particular significance. There was also a marked difference between the

| 0 | 702 | 0 | 2429 | 674 | 7.21 | 1613 | 127 | 6١ | Э | 3 |
|---------------------------|--------------------------|-------------------|---------------------------|---------------------------|-------------------------------|-----------------------|-------------|----------------------------|-------|---------------------|
| 99 | 1802 | 0 | 9829 | 3482 | 28.8 | 3088 | 320 | 12 | 0 | 8 |
| 09 | 348 | 22 | 1705 | 911 | 87.3 | ۷09 | 102 | 91 | 0 | 12 |
| 0 | 232 | 9 | 2863 | 13 | 5.13 | 961 | 38 | 15.4 | 0 | 91 |
| lτ | 761 | 108 | 2707 | 752 | 2.83 | 597 | 96 | 15.4 | 0 | 91 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 71 | 0 | l |
| 0 | † | 0 | 19 | 0 | G | 10 | 2 | 13.5 | q | ا ل |
| 0 | 14 | 0 | 924 | ا ل | 2.4 | 24 | 01 | 12.4 | q | 01 |
| 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 12 | q | 81 |
| 0 | 871 | 0 | 1 26 | Þ | 69.5 | 123 | 22 | 12 | q | 9 |
| 0 | l | 0 | 239 | 2 | 2.56 | 23 | 6 | 12 | q | 2 |
| 0 | 148 | 0 | 233 | 0 | 2.78 | 90 | 18 | 8.11 | q | L |
| 0 | † | 0 | 300 | 2 | 4.56 | 19t | 36 | J.11 | q | カレ |
| 0 | 91 | 0 | 433 | ۷۱ | 4.92 | 241 | 61⁄2 | 11.25 | q | l l |
| 0 | 69 | 0 | 0 | 81 | 3.25 | 13 | 7 | 11 | q | 13 |
| 0 | 19 | 0 | 222 | 7 6 | 3.1 | 3 | 2 | 11 | q | 9 |
| 0 | 0 | 0 | 0 | 0 | ヤ | 7 | l | 6 | ទ | 6 |
| 0 | 7 | 0 | 67 | 0 | 8.5 | ۷۱ | 2 | 6 | 9 | † |
| Burnt stone weight (g) | Fired clay weight (g) | weidht (9) CBM | Burnt flint weight (g) | enod IsminA (g) 14giew | Pottery average weight (g) | Pottery weight (g) | Pottery No. | Internal diameter (max) | Group | Penannlar gully# |

Table 4.3: Quantities of material from roundhouse gullies

m 2 0 Penannular gully 11 Penannular 9ully 9 Benannlar Penannlar Penannular gully 4

Figure 4.8: Group (a) Gullies 4 and 9 and Group (b) penannular gully 10



Plate 4.1: Penannular gully 10 looking south-east

It is likely that this post ring marked the main roof supports, but was not necessarily the line of the main structural wall of the building. A pair from the south-east entrance probably marks the position of the main doorway of the roundhouse.

works, which had been used as a haul road, and was, therefore, subject to far less truncation than the rest of the site.

the central area of the eastern beds of the sewage

It is worth noting that this structure lay within

The diameter of the circle of posts was ϵ 8 to 9 m, leaving a gap of ϵ 2 m between it and the gully.

raised granaries designed to store grain above the ground surface, away from damp and animals. Alternatively, the postholes may represent the only surviving structural features of a roundhouse.

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which little or no trace would have survived. may have been constructed of clay or cob, of of the structural elements of the roundhouses been judged to be the case at Perry Oaks. Some the remains of wall trenches, and this has also unlikely that the penannular gullies represented roundhouses. Close-Brooks (ibid.) felt that it was the use of slight plank or stake built walls in the interpreted as the result of plough truncation and Caesar's Camp (Grimes and Close-Brooks 1993), postholes was noted in the excavations at porch supports. However, a similar dearth of entrances of the gullies, probably representing features as many occur at or close to the areas. These may have originally been deeper site, some postholes have survived in truncated truncation is certainly a feature of the Perry Oaks pads rather than ground-fast posts. Whilst techniques that employed stake walls or post result of modern truncation, or of construction the form of postholes (Fig. 4.6). This may be the of Group (b) preserved structural evidence in Very few of the intermediate sized roundhouses

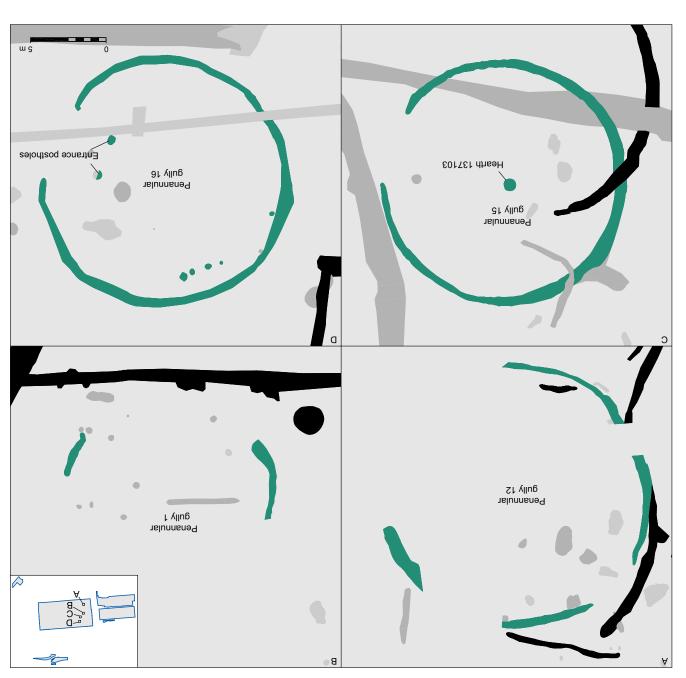
Only one of the gullies in Group (b) showed evidence of a possible post circle. Penannular gully 10 (Fig. 4.8; Plate 4.1) appeared to enclose a partial ring of postholes, although these varied in depth and form, and many were very shallow.

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with ground-fast posts. this roundhouse at least was not constructed This might suggest that the superstructure of at the centre of gully 15 survived truncation. notable that a sunken hearth (137103) located the larger gullies were entirely post-built, it is the likelihood that the structures enclosed within concrete walls of the sewage beds. In considering but the door area of gully 12 lay below the postholes which may represent entrance posts, Both gully 1 and gully 15 also had surviving dug deeper than other structural components. it supports the view that porch postholes were As only these postholes survived later truncation, termini, perhaps part of an entrance structure. 2.5 m apart and set back c3 to 3.5 m from the gully example is gully 16, which had a pair of posts within the entrance area (Fig. 4.9). The clearest larger penannular gullies of Group (c) also lay The best preserved postholes associated with the

Two of the roundhouse gullies in Group (c) (3 and 8) appear to have been functionally divergent, and will now be discussed separately.

Figure 4.9: Penannular gullies of Group (c)



Penannular gully 8

that the segments filled contemporaneously. fills was similar throughout the ditch, suggesting location within the settlement. The sequence of ing the anomalous character of this structure and the demonstration of a division in labour, reinforcthat it was dug in segments, which could suggest sections on the western side of the ditch indicated An apparent terminus observed in one of the deep depth was also variable (see sections, Fig. 4.10). V-shaped to a flat bottomed U-shaped and the The profile of the recut ditch varied from space for a structure 10-12 m or more in diameter. later ditch enclosed an area of c 15 m, allowing gully enclosed an area c 13 m in diameter and the as ditch 113114 (Fig. 4.10; Plate 4.2). The original phases, the original shallow gully (113117) recut Penannular gully 8 was represented by two

The entrance to one or both phases of the round-

result of activity within the structure. Most and may represent internal divisions or be the as tree-throws, produced middle Iron Age pottery 1994). Various internal features, some interpreted et al. 1993) and Longbridge Deverill (Hawkes excavated elsewhere such as Pimperne (Harding and size are comparable to large roundhouses They produced no datable finds but their position postholes designed to hold porch or door posts. were almost certainly the truncated bases of large Two wide, shallow features, 147136 and 125123, the north-west facing gap in the gully/ditch. postholes, some unexcavated, clustered within house was probably represented by a number of

produced no pottery or other dating evidence.



terminal and south-western arc of the ditch. (131g) was concentrated in the north-western A small amount of burnt flint (177g) and fired clay pottery (four sherds dated to the middle Iron Age). of finds, which included animal bone, flint and around it. The primary fills contained a small group specialised activity if not within the structure then to suggest that these distributions represent assemblages associated with the other roundhouses the ditch fills contrasted sufficiently with the The number and variety of finds recovered from

have been sited to enclose a structure that had

lay closer than 15 m to the ditch, and the large

gullies representing contemporary roundhouses

penannular gully (3) to the north appears to

development of the settlement. None of the

its early and later guises, have influenced the

role that this structure served, it may, in both

a strong visual link towards gully 8.

highly degraded to identify. a special deposit. The organic material was too organic matter (deposit 146141) and may represent pottery was associated with a deposit of degraded single vessel, came from this terminus deposit. The sherds weighing over 1.4 kg, many belonging to a except in the north-western terminus. Thirty-three distributed more or less evenly within this fill, represents the final deposit). The pottery was (in some stretches of the ditch, context 113107 accumulation in the ditch during these periods latter may be intrusive, but may point to limited pottery was also present in small quantities. The date, although early and late Iron Age and Roman The pottery was of predominantly middle Iron Age the majority of the finds recovered from the ditch. by a relatively thick fill (113107), which contained tions. These lower secondary deposits were sealed clay in these fills showed no significant concentraof animal bone, burnt flint, worked flint and fired from the north-west terminal. The small quantities these fills, with largest group of sherds (43) coming was recovered from only three sections containing western arc and the south-western terminus. Pottery length of the ditch, but were absent within the of the structure, and occurred along much of the These related to the first period of prolonged use a series of shallow lenses and localised deposits. The sequence of lower secondary fills comprised

The distribution of the animal bone from penannular gully 8 showed no significant pattern.

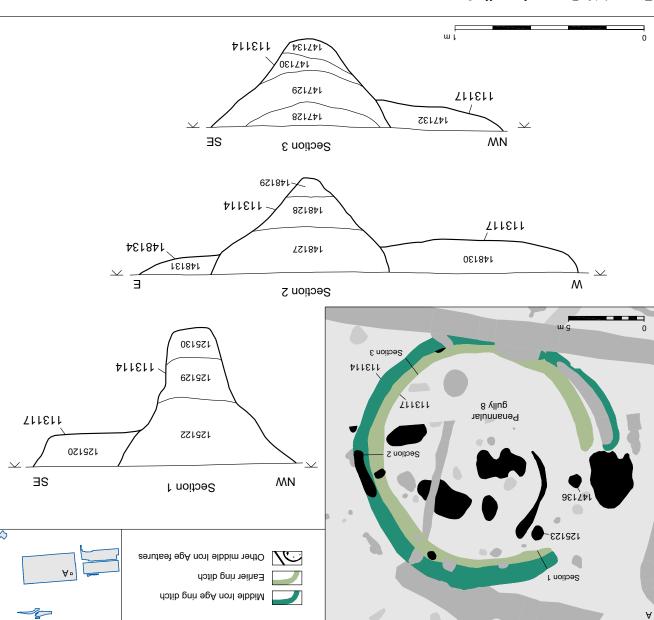


Figure 4.10: Penannular gully 8



Plate 4.3: Penannular gully 3 looking south-east from the north-west corner of WPR98 Bed C

of gully 3 might imply a non-domestic function. served some other function. The scale and position

north-eastern and south-western sides coinciding entrance gaps of the earlier penannular gully, the tion. The rectilinear feature lay within the northern corner suffered recent localised truncadiscontinuous, although it was clear that the by 13 m. The gully as exposed in excavation was defined a building or enclosure measuring c 14 m (108018) represented by a shallow gully that location was occupied by a rectilinear feature When penannular gully 3 fell into disuse, the

indicate that the lack of such features may not although surviving postholes in the vicinity were identified within the enclosed area, lay some 50 m apart. No associated postholes entrance to penannular gully 8, although the two been designed to oppose the north-west facing gap facing south-south-east. The latter may have one opening out to the south-east and a wider The gully appears to have had two entrances,

The animal bone report states:

aspect to their deposition... of the animal bones... that would suggest a ritual artefacts. There is nothing therefore in the character tion, or of the association of animals bones with other There was no evidence of deliberate burial, articula-

(Bates, CD Section 14)

or north-western sectors. bone), they tended to cluster in the south-eastern finds did occur (notably of pottery and animal small amounts. Where concentrations of these bone, fired clay and burnt flint, but in relatively further fills which also produced pottery, animal some parts of the ditch, this deposit was sealed by concentrated in the northern arc of the ditch. In flint occurred in relatively large quantities, both at Perry Oaks in which animal bone and burnt This roundhouse was one of the few features

rectilinear enclosure/structure 108018 Penannular gully 3 and associated

significant building within the settlement. on the site. As such, it would have been a represent the largest middle Iron Age structure roundhouses (Payne et al. 2005), and would Little Woodbury (Bursu 1940) and Flint Farm the scale of the Pimperne (Harding et al. 1993), a structure of 15 m or more in diameter, on roundhouse gully, it could have accommodated (Fig. 4.11; Plate 4.3). If it were a domestic feature, over 18 m in diameter at its widest Penannular gully 3 survived as a roughly circular

building, but was rather an animal enclosure or

enclosure was not designed to accommodate a

of structural features could suggest that this be entirely due to truncation. The absence

enclosure 8. The evidence is, as ever, slight. Age community, possibly linked to penannlar represented a focus of spiritual life within the Iron somehow special and the structures or enclosures It is tempting to suggest that the location was gully 3 and possibly served a similar function. have been a direct replacement for penannular south-easterly orientation of the entrance. It may ing its wall trench construction and the easterly or number of the structures mentioned above, includstructure shares some common features with a slight (Smith 2001, 67). The Perry Oaks rectangular religious structures in Iron Age Britain remains conclusive and overall the evidence for specialised although in most cases the evidence is far from structures have often been interpreted as shrines, and Stansted (Havis and Brooks 2004). Such Waltham (Drury 1978), Danebury (Cunliffe 1995), Airport (Grimes and Close-Brooks 1993), Little

Settlement development

It is unlikely that all the roundhouses were contemporary; gully 18 is among the latest on site, and possibly wholly late Iron Age in date (see below). Neither the dating nor the stratigraphic evidence is sufficiently clear to allow us to refine the sequence, and in the absence of a detailed chronology for the settlement, it is difficult to trace its development. It is also unclear whether the settlement extended further to the north and north-west. If the analysis of function based on north-west assemblages is correct, and penannular gullies 3 and 8 are accepted as anomalous, then the larger, probably domestic, roundhouses

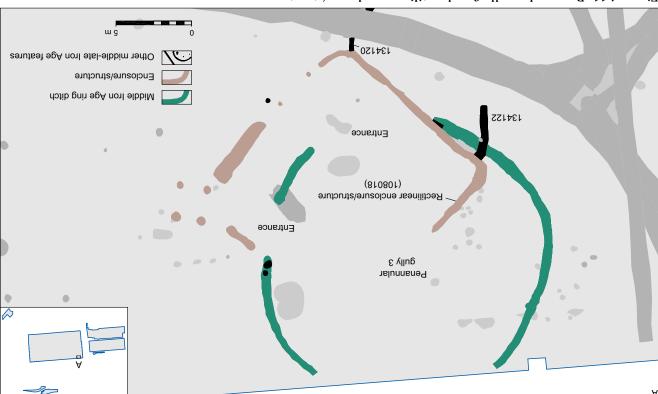


Figure 4.11: Penannular gully 3 and rectilinear enclosure/structure

postholes indicated a date of middle to late Iron Age, but the gully itself produced only prehistoric sherds of indeterminate date. Two short lengths of very shallow north-south gully (134122 and 134120) were traced up to the southern and western corners of the rectangular enclosure/structure and may have represented part of an adjoining enclosure, most of the which has been truncated.

Similar rectangular structures are known from the Iron Age across southern Britain, notably from Caesar's Camp at the eastern end of Heathrow

with the terminals of the entrances. The northeastern side had been recut on at least one occasion. The gully appears to have had two entrances, one opening out at the east corner, the other facing south-east. The latter entrance was marked by two postholes and their position suggests that the gully probably marked the line of the wall, possibly a sill beam. Alternatively, they may have represented the gate posts to an enclosure. The eastern entrance opened onto a four-post structure, conceivably a porch, although it was possibly unrelated. Pottery from three of the it was possibly unrelated. Pottery from three of the

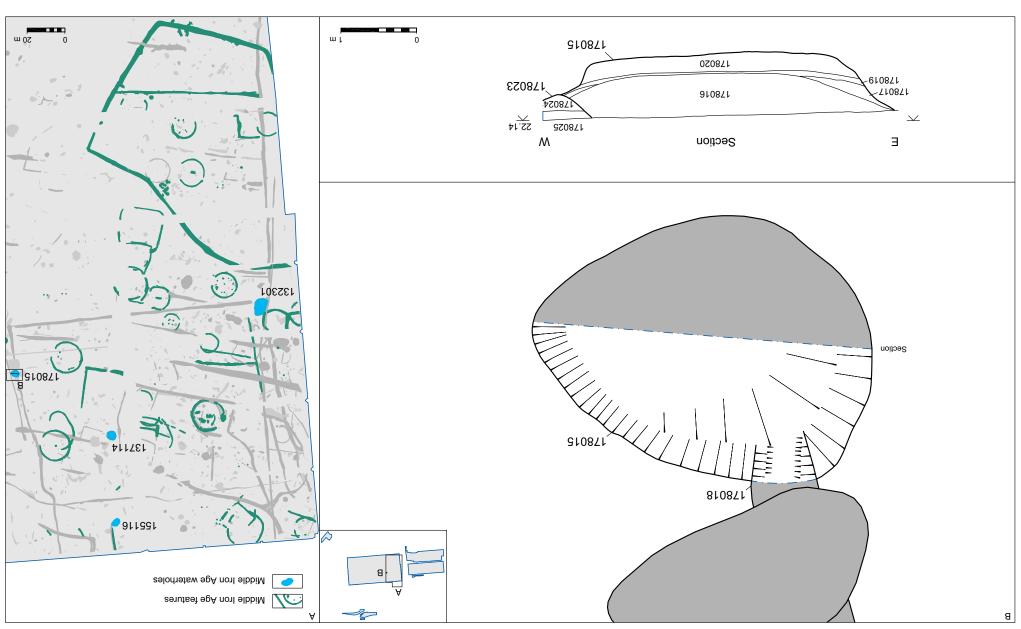


Figure 4.12: Location of middle Iron Age waterholes with detail of waterhole 178015



material from this waterhole is discussed below.

hollow in the late Iron Age. The environmental

contained a single late Iron Age sherd, suggesting the feature survived as a shallow

Iron Age pottery, and the upper fill, 178016,

relatively well dated as contexts 178017 and

been used by animals. The fill sequence was

the water. The waterhole may therefore have

178019 contained small assemblages of middle

Plate 4.4: Excavation of Iron Age Waterhole 155116

erosion of the pit top and sides, and representing a rapid accumulation of material. The upper fill, 178016, formed slowly, showing evidence of gleying and leaching of minerals, again suggesting that it formed in a watery environment.

Although the absence of gravels in the lower fills suggests that there was little initial erosion of the sides of the pit, there was no clear evidence of a revetment constructed to maintain the purity of

occupied the eastern fringe of the settlement and the smaller roundhouses lay to the west. A number of the larger roundhouses appear to have had associated enclosures (see Fig. 4.6 above), which may have served as animal stockades or enclosed ancillary buildings.

Waterholes

Water for the settlement was provided by several waterholes—two located on the eastern edge of the settlement (155116, 178015) and two within the settlement itself (132301 and 137114) (Fig. 4.12; Plate 4.4). The latter were substantial features and were open for considerable periods of time. The lower fills of waterhole 137114 were securely dated by pottery to the middle Iron Age, and contained fills characteristic of water-lain silts that form within standing water. A reasonable quantity of late Iron Age pottery from the middle fills of this waterhole suggests middle fills of this waterhole suggests

Waterhole 178015, lying between the settlement and agricultural fields to the east, was a catchment for organic material from both the farming of the fields and crop-processing within the settlement (Fig. 4.12; see discussion below). The waterhole was dug in an area known to be have a high water table and no great depth was required before water filled its base. The lowest fill, 178020, was water-lain and showed evidence of gleying. This deposit was sealed by a thin layer of iron stained silt with patchy inclusions of grey clay. This in turn was overlain by 178017, derived from the turn was overlain by 178017, derived from the

Pollen samples taken from the terminus of the ditch provided some evidence for the nature of the surrounding landscape (see below for full discussion). The landscape was predominantly:

...herb-rich grassland. Bracken was relatively abundant and may have been encroaching on the pasture. The presence of reedmace indicates that the water table was high within the ditch, although it may not have been waterlogged. The relatively high frequency of and protected microenvironment offered by the ditch. No cereal pollen was found and there was no evidence that the feature represented a boundary between arable fields and other areas. The only woody taxa recorded were alder, pine, oak and hazel, with the latter being the most abundant.

(Wiltshire, CD Section 11)

This evidence suggests that pasture was an important element of the agricultural system to the east of and within the settlement, whilst the woody taxa identified suggest the presence of a hedge associated with the ditch. This pattern of enclosure of a later settlement is paralleled at Caesar's Camp, Heathrow (Grimes and Close-Brooks 1993).

tion in Fig. 4.19 below). A south-east facing entrance was exposed in the excavated area, but the unexcavated western side of the enclosure may have also have had an entrance.

Although unlikely to have been defensive, the enclosure seemed designed to accommodate at least four roundhouses, while excluding others. The north-eastern stretch of the ditch changes alignment, respecting the ancillary subrectangular enclosures of roundhouse 12 to the north and enclosing an area devoid of roundhouses. It also cut one of a small complex of Iron Age pits dug in this area (see discussion on pits below).

It is possible that no more than three or four roundhouses were extant at any particular time during the middle Iron Age, and that the enclosed buildings represented a single phase of enclosed settlement. Activity within the enclosure continued into the late Iron Age and the only securely dated late Iron Age roundhouse (18) was constructed within its confines and over the area of the putative bank (see below). Regardless of its significance in terms of the settlement pattern, the construction of the enclosure represents a major investment of labour.

The southern enclosure

pieces of struck or burnt flint. from the southern part of the ditch were a few of domestic activity in the area. The only finds the ditch. This probably reflects a higher level and particularly from the north-eastern part of from the stretches north of the dividing gully, distribution. Most of the artefacts were recovered and 4.5 above) show marked differences in from the fills of the enclosure ditch (see Figs 4.2 animal corrals. Analysis of the finds recovered different zones such as domestic settlement and continued in use, dividing the enclosed area into although the main part of the gully may have of a shallow east-west linear gully (121075), enclosure appears to have cut the eastern end bank and ditch (Fig. 4.13). This irregular southernmost area were enclosed by a substantial some time, a number of the roundhouses in the After the settlement had been in existence for

The ditch and bank would have formed an impressive barrier. The ditch varied in profile, but was steep sided and over 1 m deep in places. The evidence of fill profile suggests that the enclosure had an internal bank, perhaps topped enclosure had an internal bank, perhaps topped with a palisade, fence or a hedge (see reconstruc-

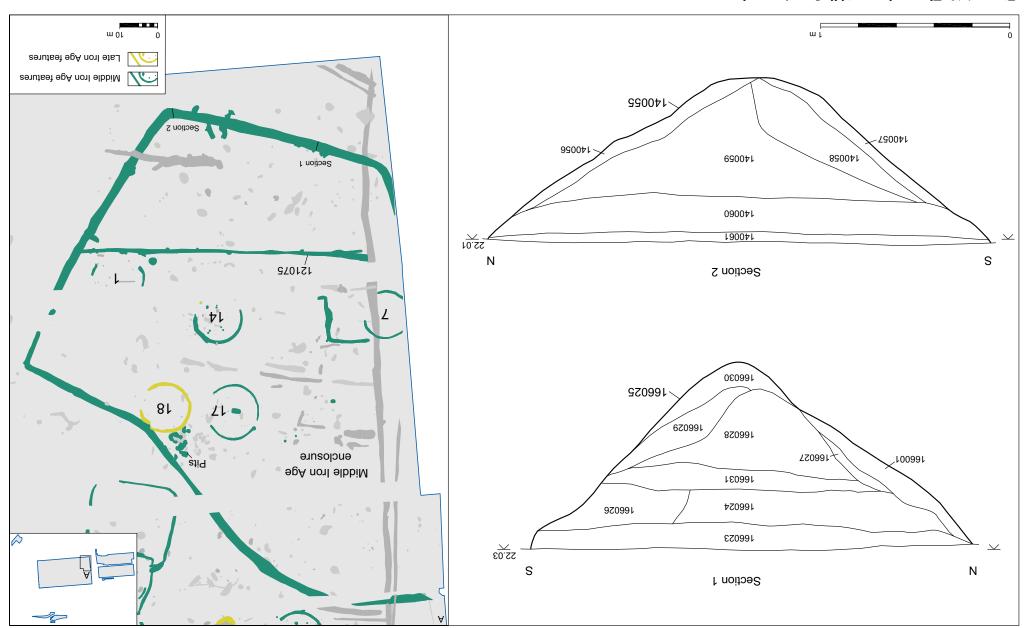


Figure 4.13: The southern middle Iron Age enclosure

Figure 4.14: Middle Iron Age activity in the western field system

| Material type | Specific date | Number of objects | Context number |
|---------------|---------------------------|-------------------|----------------|
| Flint | Bronze Age | L | 148298 |
| Flint | Late Neolithic/Bronze Age | 2 | 148298 |
| Flint | Mesolithic | l | 148298 |
| Pottery | Middle Bronze Age | 2 | 148298 |
| ₽uil∃ | Neolithic | ŀ | 148298 |
| Pottery | Late Bronze Age | l | 148299 |
| Pottery | Late Bronze Age | 7 | 148300 |
| tnil∃ | Bronze Age | l | 148306 |
| Pottery | Early Bronze Age | Þ | 148306 |
| Pottery | Late Bronze Age | 7 | 148304 |
| Pottery | Late Bronze Age | l | 148302 |
| Pottery | Early Iron Age | 7 | 148308 |
| flint | Neolithic | l | 148308 |

Table 4.4: Dated residual material from contexts of waterhole 148303

and fired clay. In contrast, the assemblages from the gravel-rich secondary fills were dominated by burnt flint, fired clay and slag. The finds indicate industrial activity in the area of the pit, the debris from which was dumped into the feature.

Almost all of the slag from the feature was recovered from contexts 148305, 148304 and 148306, along with over 850 g of the fired clay and over half of the burnt flint (2.8 kg) (Fig. 4.15). The amount of pottery and animal bone recovered from these deposits was proportionally lower. Amongst the fired clay were fragments of two loomweights (or oven bricks), and a partially vitrified fragment of a tuyere. The slag was vitrified as waste from iron smithing with some possible smelting waste. Of the 3 kg of slag some possible smelting waste. Of the 3 kg of slag some possible smelting waste. Of the 3 kg of slag some possible smelting waste. Of the 3 kg of slag some possible smelting waste. Of the 3 kg of slag some possible smelting waste, over

were sealed by a sequence of well-dated, gravel-rich secondary fills and tertiary fills.

Considerable quantities of finds were recovered from the fills of the waterhole, the variety of which suggests a range of intense activity in the vicinity. Some 348 sherds of pottery weighing over 2 kg were recovered—a significant amount for the site—along with over 1 kg of fired clay, 1.3 kg of animal bone, over 1.5 kg of slag and 5 kg of burnt flint. Several struck flints and flint debitage were residual.

A sequential analysis of this material produced some interesting results. The primary fill and the water-lain fills contained mixed assemblages of finds, with significant quantities of pottery and animal bone and only small amounts of burnt flint

Middle Iron Age activity in the western field system

Three pits or waterholes located in the western fields on the lower gravel terrace were dug with the intention of providing a source of water, presumably for the watering of both cattle and crops (Fig. 4.14).

The westernmost waterhole, 132266, was situated in the corner of a middle-late Bronze Age field and cut the fills of the eastern Stanwell Cursus ditch. The waterhole was poorly dated, with the main fills producing pottery sherds that could only be broadly dated to the early-middle Iron Age, and the lowest excavated fill contained two small late Bronze Age sherds.

of a loomweight or oven brick. These deposits flint and fired clay, including possible fragments pottery. Other finds included animal bone, burnt contained wooden twigs and middle Iron Age episodes in a watery environment, and both 148310 and 148308, represented slow silting fragments of animal bone. Two subsequent fills, This gravel-rich deposit contained only a few collapse of the sides shortly after it was dug. the earliest fill, 148309, representing the rapid Waterhole 148303 was some 1.77 m deep, with edge of an earlier field, was well dated (Fig. 4.15). A third waterhole (148303), also located at the pottery recovered from one of the upper fills. with only two small sherds of middle Iron Age Age field boundaries. It was also poorly dated, sited with reference to middle and late bronze A second waterhole, 152018, was also apparently

in the area may have been contemporary, but were not investigated as part of the excavations.

A group of four intercutting pits, 161099, 161103 161093 and 161089, lay further to the south along the line of the disused trackway. The precise stratigraphic relationships of the earlier pits were not recorded, but all are likely to be of similar date and none was very deep. The most closely dated was pit 161093, which was dug to a depth of was pit 161093, which was dug to a depth of evidence of standing water. Both fills produced evidence of standing water. Both fills produced small numbers of middle Iron Age sherds.

The function of the three earliest pits is difficult to ascertain.

deposition (see discussion below). assemblage points to a specific pattern of the absence of other components of a 'domestic' parallels in terms of the quantity of pottery, and from 161091. The pit has few contemporary quantity of slag, fired clay and burnt flint came bone was recovered from 161090 and a very small other find types—a small amount of animal Neither fill contained significant quantities of slowly, and contained 304 sherds of similar date. pit (161090) was also likely to have accumulated the middle/late Iron Age. The upper fill of the (161088), all dated to the middle Iron Age or along with a deliberate dump of 154 sherds It contained 66 sherds of middle Iron Age pottery, gradual erosion of the sides and top of the feature. of pottery. The lower fill, 161091, represented a fills, both of which produced large quantities excavated to a depth of 0.55 m. It contained two All were cut by a later pit, 161089, which was

upper fills may represent material deposited by a re-introduction of ploughing. If this were the case, it highlights a shift from pasture to increased cereal cultivation (see discussion below).

main area of the settlement. were taking place to the west and outside the and possibly other aspects of pyrotechnology, waterhole deposit also shows that iron working, in the later part of the middle Iron Age. This been a change from pasture to crop growing waterhole 148303 suggests that there may have in this area, but the circumstantial evidence from evidence for the nature of the farming undertaken pre-existing field systems. We have no firm ditches implies a degree of continuity of the whilst the absence of newly created boundary continued to be dug close to existing boundaries, It does appear, however, that waterholes and pits on the basis of the limited evidence available. during the middle Iron Age is difficult to define The pattern of activity in the western field system

Middle Iron Age activity in the eastern field system

Waterholes and pits were also dug within the field system to the east of the middle Iron Age settlement. Two were cut along the line of the defunct Bronze Age trackway which formed the eastern limit of the settlement (Fig. 4.16). One, 178015, has been discussed above. A second waterhole, 156100, dug some 18 m to the south, contained no datable material apart from a single middle Iron Age sherd. Other waterholes and pits middle Iron Age sherd. Other waterholes and pits

half of this total came from waterhole 148303. The tertiary fills of the waterhole also produced large quantities of burnt flint and fired clay, and a single piece of slag, debris perhaps derived from middens associated with this industrial activity.

pattern emerges (Table 4.4). deposits. When analysed further, another recovered from the tertiary fills than the lower It is notable that more residual material was blue) and the tertiary fills (indicated in yellow). (148308, shown in red), the secondary fills (in in most fills, including one of the water-lain fills Small amounts of residual material were present particularly interesting (see graph in Fig. 4.15). of the finds within the fill sequence that is and the Neolithic monument. It is the distribution to the middle and late Bronze Age field boundary unsurprising given the proximity of the feature Neolithic through to the late Bronze Age. This is pottery, ranging in date from the Mesolithic and residual material, predominantly burnt flint and There was a relatively large quantity of early later material in the secondary and tertiary fills. the middle Iron Age, as there was no evidence of The entire waterhole sequence appears to date to

The sequence of water-lain (148308) and gravel-rich secondary fills (148300, 148304-6) all contained some residual material, most of which was late Bronze Age or early Iron Age in date. The material in the upper fills was more varied, and included Neolithic and undiagnostic Bronze Age flints. The increased quantity of this material suggests that it was derived from different and more wide ranging sources. The artefacts in these more wide ranging sources. The artefacts in these

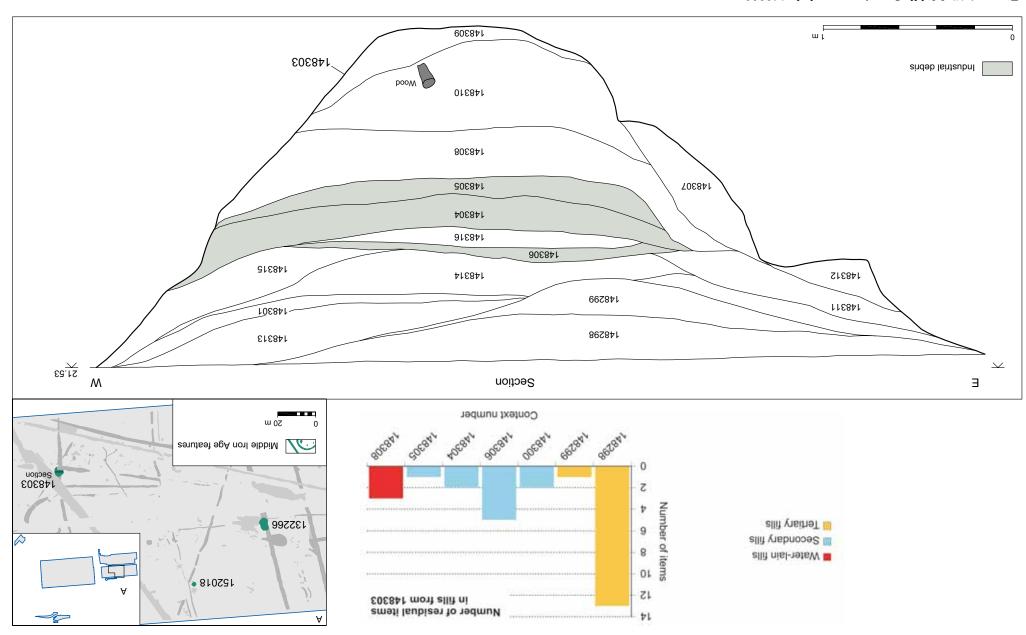


Figure 4.15: Middle Iron Age waterhole 148303



Plate 4.5: Surveying the middle Iron Age features in the eastern field system

(128296, 163060, 160184 and 160092) that seem to subdivide Bronze Age land divisions. All may have recut earlier ditches and none were particularly well dated, containing very small quantities of middle Iron Age pottery. This points to continued activity in the eastern fields, although it is unclear whether the entire system remained in use (see discussion on farming below).

used to fertilise the fields. If this were the case, it would correspond with the pollen evidence, which suggests a mostly open landscape with few trees during this period.

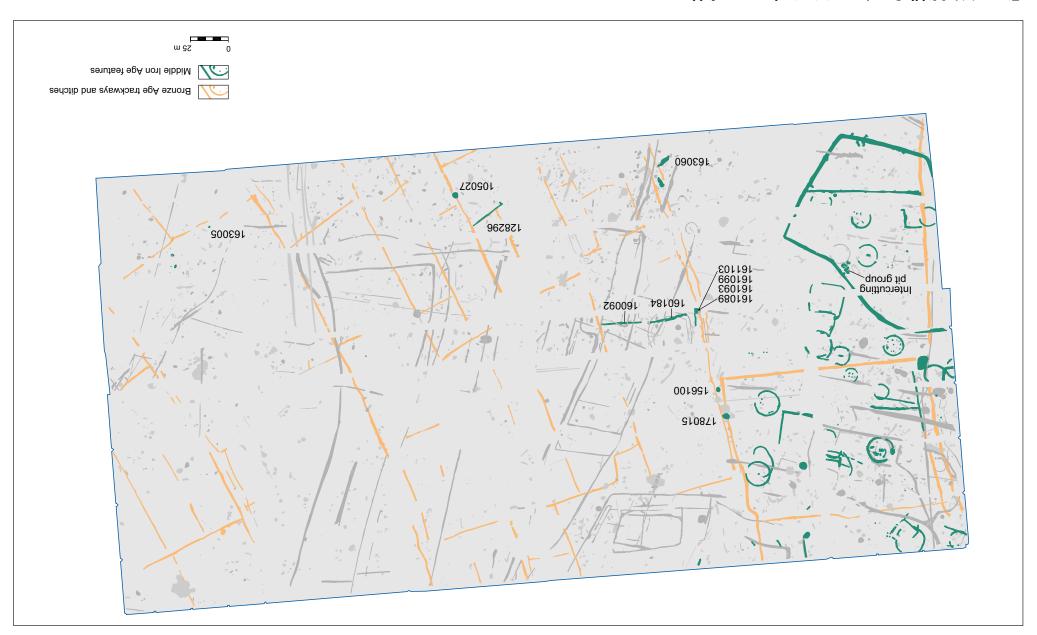
Further evidence for middle Iron Age activity within these fields consisted of a number of approximately east-west aligned ditches

and small quantities of fired clay. was a small residual assemblage of struck flint sequence. The only other material recovered recovered from the lower part of the fill few sherds of early/middle Iron Age pottery Bronze Age field system, was provided by a one of the silted ditches of the middle/late a long period. A date for the feature, which cut upper fill of the feature (105032) formed over standing water (layers 105029 and 105031). The sealed by two successive layers which formed in with gravel-rich primary fills (105028 and 130195) waterhole contained a classic silting sequence, ramp, whilst the northern edge was steeper. The edge formed a shallow slope, probably an access circular in plan, and 0.8 m deep. The southern south-east of this pit group. It was roughly Another waterhole, 105027, lay c 180 m to the

A steep sided pit, 163005, excavated close to the eastern end of the site also dated to this period, but its function was unclear. The primary fill, which contained no finds apart from a single sherd of early Iron Age pottery, was sealed by a charcoal rich dump of domestic material. This and worked flint, along with 19 sherds of pottery. The uppermost fill represented a gradual silting episode.

Other middle Iron Age features in the area east of the settlement included a small number of tree-throws and a single posthole. All of the tree-throws were dated by a few abraded sherds of middle Iron Age pottery. This material may of middle Iron Age pottery. This material may

Figure 4.16: Middle Iron Age activity in the eastern field system



98A norl əlbbim ədt ni noiteitiqorq bas ensbbim gaiggib tiq

incorporate an area of earlier activities, of which This might indicate that enclosure was designed to area devoid of any surviving evidence for buildings. ditch diverts from its line to curve around a large lie at the point where the middle Iron Age enclosure creation of a midden. It is noticeable that the pits able amount of debris, perhaps resulting in the in the immediate vicinity that generated a reasonassociated with a range of well established activities nature of the fills might imply that these pits were The repeated activity, and the mixed and residual dating to the middle Iron Age (Fig. 4.17, no. 1).

141202 produced a complete miniature vessel

worked flint (some of which was residual). Pit animal bone, burnt flint and stone, fired clay and

ered from the remainder of the pit fills along with pottery and residual Bronze Age sherds were recovcontained a quantity of Bronze Age sherds. Iron Age is unusual. One of the stratigraphically earliest pits

The concentration of shallow and intercutting pits

Iron Age penannular gully of house 18 (Fig. 4.17). enclosure bank, and one pit was also cut by the late ditch, all must have lain in the area occupied by the cut by the digging of the middle Iron Age enclosure infilled by the time the enclosure was built. One was should be noted (Figs 4.16-7). The pits had been the boundary of the later middle Iron Age enclosure A group of 32 shallow, inter-cutting pit lying within

the pits are our only surviving trace.

inometries and mithin quory tiq extlement Figure 4.17: Distribution of pottery within the

coppiced or pollarded. the trees and shrubs in the catchment were severely probably some distance away as single trees, or else all Alder, pine, hazel, and oak were recorded but they were woody taxa accounting for only about 5% of TLPS. агоипа the feature seems to have been very open, with on organic debris falling into the feature. The area deposits decame aerated enough to allow fungi to grow cate that the pit dried out from time to time so that -ibni taşim teht bne ənoz ziht ni Aşih ozle ərəw zəroqz very close, probably at the wet edges of the pit. Fungal Ваймогу этэм тээмг морьэт рпь длит тэгьм гэдрэг palynological evidence for standing water in this zone. scape. The feature itself was wet although there is no of microscopic charcoal and an exceedingly open land-The lowest deposit is characterised by very high levels

(Wiltshire, CD Section 11)

These results suggest that grazing pressure was particularly high when this waterhole was open, and that the abundant weeds identified from the pollen were avoided by grazing animals, or may have been growing on the edges of arable fields, on grassy banks between fields, or on open broken ground. Cereal pollen also points to arable ground.

Higher up the sequence (Zone 2 of pollen column in Fig. 4.18) there is evidence for a drop in the intensity of grazing, in the form of a slight increase in woody taxa with some scrub/hedge plants also present. Whilst grasses increased, there was a slight decline in some weeds. The levels of microscopic charcoal were also lower, supporting the suggestion that there was a shift in activity,

The proportions of animal bones identifiable to species was very low, and the poor preservation of animal bone in general made it impossible to estimate the relative proportions of species in the assemblage (Bates, CD Section 14). Cattle and sheep bones were both present, and likely to have formed the main elements of the animal stock of the settlement. Small numbers of pig bones were asttlement. Small numbers of pig bones were also recovered along with a few red deer bones. Bates' specialist report on the assemblage states that:

The predominance of cattle over sheep/goat may simply be the result of low-lying areas, such as the Perry Oaks environment, being more suited to cattle husbandry. Similar proportions of species are found on other Iron Age sites on the gravel terraces of the lower Thames Valley (Grant 1984, 103–105).

(Bates, CD Section 14)

The low occurrence of pig on Iron Age sites is not unusual, but pig is almost certainly under-represented at Perry Oaks, often being described in the archive records as poorly preserved, presumably due to low bone density in comparison to other animals of similar size. Horse bones and a few dog bones were also recovered from the middle Iron Age site.

The best evidence for land management in the middle Iron Age was recovered from one of the waterholes excavated at the eastern edge of the settlement (178015; see Fig. 4.12 above). Analysis of pollen samples taken through the fills of this waterhole have given us good evidence for the surrounding landscape. The pollen diagram for this feature is summarised in Figure 4.18, and described below:

Farming in the middle Iron Age at Perry Oaks

The inhabitants of the middle Iron Age settlement continued to cultivate the earlier landscape. It is possible that the nucleated settlement represented an agglomeration of earlier farmsteads, although whether its location within earlier common land indicated increased pressure on resources is unclear. If this were the case it resources is unclear. If this were the case it

Whatever the significance of the reorganisation of the settlement, it is clear that agriculture remained the primary focus of activity.

Construction within the confines of pre-existing landscape boundaries indicates continued use of the earlier fields for agriculture. There is little evidence for any significant reworking of field boundaries, and the land divisions were defined by banks and mature hedges, the ditches having long been infilled.

Three main sources are available to us in analysing the nature of the agriculture of this period—pollen, charcoal from the fills of the features, and animal bones. Although the preserthere was a reasonable assemblage of material from the settlement, largely recovered from the fills of the recut ditch of penannular gully 8. However, the animal bone assemblage from gully 8 is probably the result of selective activity and cannot be treated as a reflection of species and cannot be treated as a reflection of species and cannot be treated as a reflection of species and cannot be treated as a reflection of species as the time.

These banks would have provided havens for many boundaries might have consisted of earth/grassy banks. bne 98A norl əlbbim ədt ni ətiz ədt to treq zidt ni the sward. There was no convincing evidence for hedges than before or that the timing of hay making influenced spectra show that either grazing pressure was lower

of the herbaceous plants found in the sample.

% total pollen, spores & fungi

20 40 60

Count per

200 400 800 1000

(Wiltshire, CD Section 11)

Score 1-5

1/910871

178015/2

178015/3

178015/4

Pollen zone

ignu-

a fairly open landscape, where the: The general picture that emerges is one of

Strangen and James and Solling Se Procarried out at the site but marked changes in the pollen able to flower. Cereal growing /processing was being coppiced very regularly so that woody taxa were not nosent, then they must have been pollarded and/or landscape with very few trees and shrubs. If they were ...middle Iron Age settlement was set in a very clear

edied for Jeno sadupper tus saail sdroto Audit file life The upper Zone (4) of the pollen diagram

stratigraphy, which showed evidence of formation

were very wet. This accorded with the recorded mace) also indicated that the feature or its margins arable cultivation. The presence of typha (reedpresence of cereal pollen pointed to continued

(weeds) noted in Zone 2 continued. Again, the

were more common, whilst the decline of ruderals

of woodland plants. Both grasses and woody taxa

even greater decline in grazing and management

In pollen Zone 3, there was further evidence for an

cereal pollen were found, pointing to continuation

land surrounding the waterhole. Small amounts of

including a lowering of grazing pressure on the

by hay-making or some similar practice: it is possible that the evidence was distorted continued decline in grazing in the area, although pollen, and a decline in ruderals. These point to tion of grass pollens, a smaller increase in cereal growth, a significant increase in the representawith only a slight increase in tree and shrub suggested a continuation of open landscape,

in a watery environment (see above).

of arable farming in the vicinity.

overwintering animals or for some other domestic purpose. Tor Age peoples should not have been making hay for əsəhi yhw nozeət on zi ətəhi bas (8891 asməziW bas logical record. Grass must be viewed as a crop (Lockhart difficult to see how this activity could affect the palynonain flowering season of the grassland weeds, it is not If the cut were made after grass flowering but before the

(Wiltshire, CD Section 11)

All frequencies < 1% shown as crosses

% total pollen & plant spores

Figure 4.18: Pollen diagram for waterhole 178015

100001

-94

Depth (cm)

-99

Lieuwns

and smithing in this locality. There was also some evidence for iron smelting probably being the primary agricultural activity. field boundaries in this area, with animal grazing suggests the survival of some, if not all, of the within the bounds of the western field system landscape. The continued digging of waterholes inevitable consequences for the layout of the changes in the way the land was farmed, with the new settlement seems to have been allied to divisions of the Bronze Age, the construction of sparse. Developing out of the major landscape The evidence for middle Iron Age agriculture is

at an open landscape in which grazing in this settlement and from the field system, it does hint a catchment for material derived both from the Despite the fact that the waterhole was acting as of cereals grown remained relatively constant. through the life of the waterhole, whilst the levels grazing pressure on grasses appeared to decline the landscape was extremely open, and that waterholes (178015), which appears to show that only pollen evidence, obtained from one of the Iron Age settlement. Equally ambiguous was the its length marked the eastern limit of the middle derelict Bronze Age trackway, which for much of with the remainder being dug across the line of a one, 105027, lay on the edge of an earlier field, served the settlement rather than the fields. Only or waterholes were dug, some of these may have more ambiguous. Although a number of pits The evidence for the eastern field system is

area at least was less intensive.



entrance in the southern enclosure Figure 4.19: Artist's reconstruction of the middle Iron Age Settlement at Perty Oaks, looking west through the

military obligation. by agricultural surplus or labour service and worked. If dues were paid, this could have been individual. It is unclear how this political structure owed a degree of allegiance to an elite group or which were bound politically and may have one of a large number of similar settlements The likelihood is that this small settlement was

m 02 121135 8-801801 quong Ji9 6112917 147253 Eastern field system ditches 113131 137114 156155 Settlement 119380 108028 10801 122062 155047 137125 810801 Late Iron Age - early Roman features

Figure 4.20: Late Iron Age - early Roman landscape at Perry Oaks

Transforming the landscape late Iron Age-early Roman settlement and re-organisation

Large-scale and quite fundamental changes took place in the late Iron Age, although they may also be the most archaeologically ephemeral (Figs 4.20–1). The system of small co-axial fields which had characterised the landscape for almost two thousand years seem to have been largely replaced or cleared and a field system aligned roughly place (Fig. 4.20; see below). We will first look priefly at the ceramic data for this period and briefly at the ceramic data for this period and before commenting in more detail upon the newly created field system.

Ээпэріль эішелэЭ

The earliest ceramic material from this phase comprised 'Belgic' type wares, which have a date range beginning in the 1st century BC, indicating that the significant landscape developments may well have taken place some time before the Roman conquest (see below). However more precise dating that would enable the transition from the middle Iron Age settlement to be better understood is not possible, as Every and Mepham state:

Ceramic developments within the late fron Age can be seen within the wider context of the late fron Age ceramic sequence for southern England. The introduction of wheelthrown 'Belgic' wares in necked and shouldered jar forms, and their handmade imitations, is generally

Another pit (147153) was dug within the gully interior, its fill including a deposit of burnt material including cremated animal bone.

The southern edge of gully 8 was skirted by the late Iron Age-early Roman boundary ditch 147253, which appeared to continue (after a possible gap) westwards as ditch 113131 and then curved back to the north-west as ditch 108028 (Fig. 4.21). A small irregular shallow penannular gully (126155) was dug against the north lip of this boundary (113131). Further modifications were to come when gully 8 was incorporated into the corner junction of the reworking of this boundary complex (by ditch reworking of this boundary complex (by ditch 147237) in the middle Roman period (see below).

A second ditch (108027) curved around the southern edge of the rectangular enclosure\
southern edge of the rectangular enclosure\
structure 108018, which overlay middle Iron Age gully 3. It is quite possible that feature 108018 could actually date to the late Iron Age, but the chronological evidence remains uncertain. In any case the implication is that both middle Iron Age gullies 3 and 8 continued to have an impact on the landscape in the later Iron Age and on the landscape in the later Iron Age and

The one recognisable late Iron Age-early Roman domestic structure is represented by penannular gully 18, located c 120 m to the south of the northern activity area (Fig. 4.20). This must have cut into the denuded internal bank of the irregular middle Iron Age enclosure, the upper ditch-fills of which were continuing to accumulate in this period.

amphorae. Not until the end of the first quarter of the 2nd century AD does Roman material really start to occur in quantity.

(Brown, CD Section 2)

The pottery of the period 100 BC-AD 120 was largely composed of a narrow range of coarsewares. Only four sherds of a total of 506 dated to this phase were finewares, including three small samian ware fragments. Small quantities of pottery in Romanised forms and fabrics could be confidently dated to the post-conquest period, including shell-tempered wares, Alice period, including shell-tempered wares, Alice the pottery assemblage post-dating AD 120 was dominated by these 'Romanised' wares although dominated by these 'Romanised' wares although the proportion of finewares was relatively low.

Settlement focus

Despite the paucity of evidence for late Iron Ageearly Roman domestic structures (see below), it is likely that main focus of occupation remained in the area of the middle Iron Age settlement (Fig. 4.21). The northern area of the earlier settlement was cut through by two boundary ditches with reference to the two largest middle Iron Age structures (gullies 3 and 8). One of these, represented by penannlar gully 8, was still clearly in use as a segment of the gully was recut in this period. This work may have been contemporary with the cutting of a large pit (148342) through with the cutting of a large pit (148342) through with the cutting of a large pit (148342) through

dated no earlier than the second quarter of the 1st century BC. It is likely that there was some period of overlap between these wares and the preceding middle fron Age traditions, although the isolation of well stratified early groups containing both types has not proved possible at Perry Oaks.

(Every and Mepham, CD Section 1)

The pottery assemblages from this late Iron Ageearly Roman phase include some 'Romanised' forms and fabrics, but these only became numerous during the 2nd century AD. Prior to this point the inhabitants continued to use pottery developed from the well-fired, wheel Innany cases it is generally difficult to determine whether this material is pre- or post-conquest in date, creating a corresponding difficulty in phasing certain elements of the site.

This particular issue is highlighted in the

Although there is a substantial amount of these [late Iron Age/early Roman 'Belgic' type wares] wares there is very little 'Romanised' material that could be dated earlier than the early-mid 2nd century AD. Contexts that contained this early material with Roman wares such as Verulamium and some unsourced sandy wares defined the early Romano-British period. Early forms within these groups are restricted to bead-rim and high-shouldered/necked jars, with the single example of a 'Surrey' or 'Atrebatic' bowl. Early flagons and mortarium types are completely absent and there are virtually no are completely absent and there are virtually no



| Average weight (g) | Weight (g) | Number of objects | Feature type |
|--------------------|------------|-------------------|-----------------|
| 9 | 32 | L | Cremation |
| 5.43 | 2088 | 756 | Ditch |
| 14.8 | 520 | 68 | Gully |
| 27.81 | 4803 | 320 | 1 !d |
| 9.9 | 13 | 2 | Posthole |
| 79.7 | 977 | 101 | Ring gully |

Table 4.5: Quantities of pottery recovered from late Iron Age features

southerly of these, pit 180106 was relatively shallow at 0.85 m deep and none of the fills indicated the presence of standing water. The pit had, however, been heavily truncated by a later pit, and its original dimensions and fill sequence were unclear. Two large sherds of late Iron Age were unclear. Two large sherds of late Iron Age pottery were recovered from the surviving fill.

The second pit in this group, 180107 contained a clear sequence of water-lain primary and secondary fills. No datable material was recovered from this feature, or from 180108, which was dug to replace it. The latter was not cut sufficiently deep to have served as a waterhole and may not have been open for very long. There is some evidence that pit 180107 was deliberately backfilled.

The fills of the northern ditch (108027) produced a diverse assemblage of finds, including pottery, fragments of fired clay and animal bone. Amongst the bone assemblage was a complete cattle mandible, which was found in the ditch fill immediately to the south of the entrance of rectilinear enclosure/structure 108018. The quantity of finds from this ditch suggests that there was fairly intensive activity in the area.

The southern ditch segments (113131, 147253), which slighted the southern curve of gully 8, also produced large quantities of occupation material, including animal bone, pottery, burnt flint and fired clay, particularly from 147235 in the south-eastern section (Fig. 4.21).

Other features in the probable area of occupation that were definitely associated with this phase of occupation included a group of three intercutting pits or waterholes (180106–8) lying in the zone between the southern roundhouse (18) and the northern activity area (Fig. 4.20). The most

The difficulty of identifying late Iron Age structures is a more general problem in southern British settlement studies, one which presumably indicates a change in the nature of domestic architecture rather than necessarily implying a decline in settlement activity. Consequently some of the undated postholes within the earlier settlement area may be late Iron Age-early gome in date.

The quantities of late Iron Age-early Roman pottery recovered from these features are presented in Table 4.5. Most sherds were recovered from the earlier settlement area, and those with the highest average weight came from pits and waterholes (notably 130212, 137114 and 167119, the only such features to produce more than 20 sherds) and penannular gully 8. The limited but relatively large sherd fragments from the middle Iron Age penannular gullies (3, 10, 11 and 15) and later Iron Age-early Roman ditches (eg 108027 and 108028) may reflect the proximity of these features to may reflect the proximity of these features to the core of the settlement area.

Roman period, perhaps only falling into disuse with the establishment of the 'ladder' enclosure system in the later Roman period (see below).

Two waterholes were located within the eastern field system, and were broadly contemporary with it (Fig. 4.20). Waterhole 119380 to the north was 0.85 m deep, and contained a complex sequence of fills, some of them deposited in standing water. The dating of this waterhole is problematic as the only fills that produced pottery were relatively high in the sequence, and contained both late Iron Age and early Roman sherds. That this feature was completely backfilled, possibly deliberately, before being cut by the mid Roman enclosure (E1), suggests that it was originally cut during the late Iron Age- early Roman period.

A large deep waterhole, 151132, lay to the south of 119380 and was cut by ditch 129067 of the eastern field system (Fig. 4.20; see above). The precise date of the waterhole could not be determined, but it contained a few early Roman sherds along with larger numbers of undatable Roman pottery. The feature was probably dug in the early Roman period to provide water for agricultural activities, and had silted up by the time the final recut of the ditch was undertaken. A few late 3rd or 4th century Oxfordshire wares recovered from the upper fills of the waterhole are likely to be intrusive.

It was impossible to identify a coherent single system of fields within the pattern of the eastern boundaries, although some groupings of ditches were identified, including those (eg 137125, 155062, 155047) cut by middle Roman enclosure EI (see Figs 4.20 and 4.24 below). In general there was insufficient stratigraphic and dating evidence to establish their chronological sequence in detail, although it is clear that they post-dated the field system created during the Bronze Age, and system created during the Bronze Age, and some were cut by a Romano-British 'ladder'

enclosure system (see below).

Datable material was recovered from the fills of several of these boundary features, some clearly residual and others intrusive. The residual material included Neolithic and Bronze Age worked flint, along with late Bronze Age and early and middle Iron Age pottery. The most significant assemblage recovered, however, comprised late Iron Age and Roman pottery and ceramic building material. A collection of 14 sherds of building material. A collection of 14 sherds of dates to sometime after AD 150, and may reflect the latest phase of cleaning or re-cutting of this boundary, which cut through the silts of a large boundary, which cut through the silts of a large

The overall stratigraphic and ceramic evidence suggests that the field system was being constantly modified from its inception in the late Iron Age right through into the early and middle

Eastern field system

Volume 2 for a wider discussion). unchanged until fairly recent times (see suggesting that these fields survived relatively re-cut in the medieval and post-medieval periods, to the bronze Age field system in the area were has established that enclosure ditches relating period. In fact continuing excavation at Heathrow throughout later prehistory and into the Roman some elements of this system remained in use the west (Fig. 4.22), and it is possible that all or system established on the lower gravel terrace to evidence for any change to the Bronze Age field enclosure system (see below). There was no eventually be divided by a late Roman 'ladder' probable settlement focus, in an area that would to the higher gravel terrace to the east of the 2000 years. The realignment was largely confined fieldwork system that had been used for almost area, being a complete realignment of the previous important shift in landscape organisation in this (Fig. 4.20 and 4.22). Nevertheless, it still marks an a few shallow ditches survive on this alignment Iron Age-early Roman field system is slight—only The evidence for the nature and extent of the late



Figure 4.22: Late Iron Age / early Roman landscape showing different zones of activity

Organisation of the settlement

Roman period lying further north (Fig. 4.23). rectangular buildings (B1-4) dating to the century AD, although there is evidence for continued in use beyond the start of the 2nd little evidence to suggest that roundhouse 18 through the fills of the silted ditch. There is gully (126099) was dug across the feature, 8 itself remain in use, as a shallow north-south recut (147237). However, it is unlikely that gully ditches immediately to the south and west being gully 8 persisted as a major focus, with the this long period. The area around penannular continuity of occupation at some level throughout Age-early Roman settlement nuclei, indicating apponded to the middle Iron Age and late Iron The core of the mid Roman settlement corre-

134058) and a droveway was created along its the enclosure was expanded to the west (137136, At some point after its initial establishment, re-dug along a slightly different alignment. and its northern boundary (156047) was later was sub-divided by north-south ditch 110042, gully 137125 (Phase 1 on Fig. 4.24). This enclosure Roman field boundaries such as ditch 155062 and cut the line of partially silted late Iron Age-early 4.24). The earliest rectangular enclosure clearly to late 2nd/3rd century AD (Phases 2-3 on Fig. relatively short period of time, from the mid 2nd (E1) were heavily re-worked and cleaned over a The ditches of the most northernmost enclosure western side of the eastern field system (Fig. 4.23). enclosures (El and E2) were constructed on the At some point in the mid Roman period, two

subsequent truncation. This suggestion is subsequent truncation. This suggestion is supported by the evidence from Zone 1, where a slightly more coherent pattern of subdivision was apparent. The best evidence for a regular system of enclosures lay in the central strip across the site. During the operation of the site as a sewage threatment plant, this central spine was used as an gula access road for vehicles, and subsequently did dit not suffer the same level of truncation as the beds to the north and south. These ditches and gullies series

Settlement activity in the mid Roman period

providing access between them.

The settlement activity of the 2nd-early 3rd centuries AD appears to have been a continuation of the late Iron Age-early Roman occupation in the area and on the evidence of quantities of artefacts recovered, occupation was probably on a similar scale (Fig. 4.23). Boundaries were re-worked and maintained, and there is no clear evidence for changes in the way the landscape was organised. The focus of settlement activity remained broadly similar and the most of the eastern field system that was first laid out during the late Iron Age (see above) appeared to continue in use.

of enclosures of different sizes, with trackways

of activity, they are likely to have been a series

or enclosures. If these belong to a single phase

may represent the remains of a series of fields

lay on the same alignment as each other and

Form and function of the eastern field system (Fig. 4.22)

it lay outside of the area of excavation. Zone 3 is somewhat more conjectural as most settlement) and 2 were the most obvious, whilst ditch. Zones 1 (bounded to the west by the appears to have been a substantial boundary identified (Fig. 4.22), each defined by what land divisions. Three zones have been tentatively these do not appear to have been equally spaced Bronze Age field systems had been, although scape was divided into zones, much as previous Roman settlement. It seems likely that the landgravel terrace to the east of the Iron Age and scape appears to have been confined to the upper were identified. The re-alignment of the landthe basis of the surviving evidence, a few details because of the effects of the heavy truncation. On field system is impossible to determine, largely The precise form and function of the early Roman

As was the case with the Bronze Age field system, the large landscape zones appeared to be subdivided in different ways. The surviving internal subdivisions of the central Zone (2) were tregular and lacked coherence. This may indicate that boundaries in the area changed rapidly, or that the land was subdivided into a number of small landholdings, perhaps belonging to particular individuals or kin-groups. We cannot be certain that all of the subdivisions belonged to this field system, or even to a single phase of activity. It may be that the landscape was at this stage divided into large fields, or that internal stage divided into large fields, or that internal boundaries were only hedged or demarcated

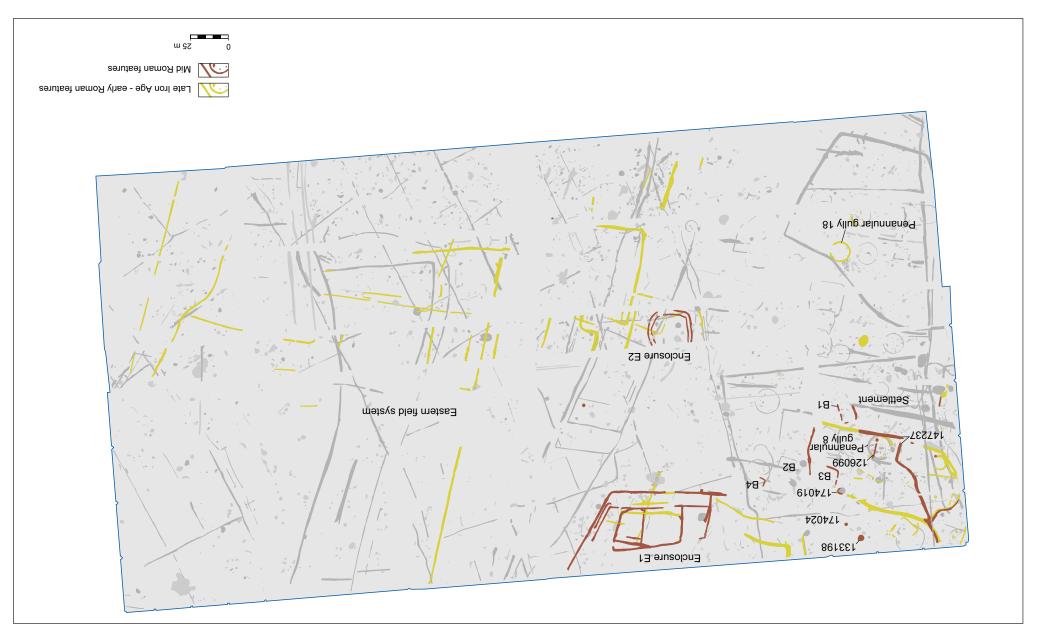


Figure 4.23: Early and mid Roman landscape



Figure 4.24: Phases of Enclosure El

southern and eastern margins (110078, 134058, 137129, 119352 and 134046). The chronology of this droveway is uncertain and it may actually have been designed to link this enclosure complex with the 'ladder' enclosures to the east during the 3rd century AD (see below). The morphology of the enclosure complex and its integration with the droveways suggests that it may been a stockade.

There were concentrations of pottery and to a lesser extent fired clay and CBM in the area of enclosure EI. Insufficient ceramic building material was recovered to suggest that it originated from a building in the vicinity, but the fired clay is more likely to represent the presence of cobbuilt or wattle and daub structures. It may be that part of this area was occupied by nondomestic structures, such as barns or agricultural outbuildings.

important because if this were an agricultural early and late Roman field alignments. This is its north-south alignment deviated from both the of the late Roman 'ladder' enclosure. Furthermore early Roman field system and was cut by ditches enclosure post-dated ditches of the late Iron Ageoutside, did not survive. Stratigraphically the (see above), while the northern side, which lay which was subject to a lesser degree of truncation enclosure lay within the central band of the site have been separated by a bank. Most of the south. The ditches were quite shallow and may gular enclosure with a possible entrance to the ditches were dug forming an irregular subrectanc 100 m further south (Fig. 4.23). Two concentric Another enclosure complex (E2) was constructed

Charred plant material from the foundation trenches of Building B1 produced an assemblage rich in weed and chaff (147253 and 113079) and grain (148155 and 126121) (Fig. 4.26). As Challinor concludes:

It is reasonable to assume that the samples are the result of crop processing activities which were being carried out in the close vicinity of the structure. The grain-dominated assemblages are likely to have resulted from accidental over-burning during crop processing while the chaff-rich assemblages would be the by-product of the process.

(Challinor, CD Section 10)

The building was clearly situated within an area of crop processing, presumably surrounded by threshing floors, and itself may have functioned as an agricultural barn.

A second possible Roman building (B2) (Figs 4.25–6) was represented by a rectangular arrangement of gullies, which—as with B1—probably represent foundation trenches for a wooden building. The building measured c 15 m by at least 7 m, and the northern section appears to have been truncated.

The dating of this building relied on the strati-graphic relationship between the foundation french and the fills of a middle Iron Age waterhole (137114). This waterhole continued in use into the late Iron Age and its upper fills (137106, 137107, 137108 and 137109) were dated to the early Roman period on the basis of late Iron

One building (BI) was represented by a series of segmented gullies defining a roughly rectangular area c 17 x 8 m. The gullies may be interpreted as foundation trenches for a building, which have recovered from the building trenches, including a small assemblage of undiagnostic Roman pottery. A single sherd belonging to Roman ceramic phase 1 (100 BC–AD 100) provides scant evidence for an early date for this structure, but it may be residual. However the possibility that this building belongs to a different phase than the other buildings (see below) is suggested by the fact buildings (see below) as suggested by the fact that it lay upon a different alignment, echoing that of the earlier agricultural landscape.

Other finds from the trenches of Building I suggest that it had an industrial function. A relatively large quantity of burnt flint and fired clay was found, along with small quantities of burnt stone, slag and ceramic building material. The fired clay assemblage included burnt daub. Some of the building gully fills also produced charred plant remains.

The charcoal from soil samples in three trenches (126121, 148155, 126129) of Building B1 was found to derive from a very restricted range of taxa, dominated by oak (Quercus). These were compared with a typical assemblage from a Roman ditch (160102) (Figure 4.25), and the difference in proportions led the charcoal specialist to suggest that, 'a greater degree of care was taken when selecting the fuelwood for a specific purpose than in the general field for a specific purpose than in the general field system assemblages.' (Challinor, CD Section 10).

enclosure, we may expect it to be integrated within the field system, not set apart from it. Therefore it is possible that this enclosure was not part of a wider agricultural landscape, but purposely set aside from it.

century AD (see below). 'ladder' enclosure system of the 3rd-4th and boundaries which made up the larger generations before being replaced by enclosures features, in use for no more than three or four They were probably, therefore, short lived silting up during the late 2nd or 3rd centuries. the second half of the 2nd century AD, and were the enclosures were probably constructed during associated ceramic assemblages suggests that ware and 'Belgic' pottery sherds within the of samian wares and the small numbers of whitewith whitewares and oxidised wares. The absence reduced wares, the most common fabrics, along only dating evidence. The assemblage included of these enclosures (E1 and E2) provided the from a number of ditches associated with both A small assemblage of Roman pottery recovered

Roman buildings and activity areas

Five probable buildings (B1–5) could be dated to the Roman period, all of which lay close to the site of penannular gully 8, thus demonstrating some continuity with the earlier settlement focus (Figure 4.25). Four could not be closely dated (B1–4), but could well span the middle to late Roman phase and so are described here. A fifth (B5) was certainly late Roman and is described separately below.

Furthermore, the presence and proportions of other insects within the assemblage indicated that the deposit also contained small quantities of domestic organic refuse, but that there was unlikely to be much in the way of animal dung or naturally accumulated decaying material.

If the possible building(s) to the east of the waterhole were the source of these insects, they may have been either domestic dwellings or agricultural buildings. If this were the case, the structure(s) would have had to have been occupied during the lifetime of the waterhole in the 4th century AD (see below).

Other insects found in high concentrations in the waterhole sample were honey bees (Apis mellifera), evidence of bee-keeping within the settlement:

There were the remains of at least 16 workers in a 3-litre sample. Honey bees need a source of water to dilute their honey when they are feeding on it during the winter. Once a colony has found a source of water, its location is communicated amongst the workers and they will all tend to use it. Inevitably, some fall in and drown. The waterhole appears to have been used as such a water source. It is unlikely that the occupants of the settlement would have tolerated a bee colony of the settlement would have tolerated a bee colony other than a managed hive.

(Robinson, CD Section 12)

A significant proportion of the Coleoptera assemblage also comprised *Ptinus fur*, which inhabits buildings amongst stable debris, old hay, granary waste and food scraps. Other insects recovered that favour the environment of buildings included:

... examples of Mycetaea hirta, a fungal feeder which occurs in damp places inside buildings, sometimes feeding on the dry rot fungus and Typhaea stercorea, another fungal feeder which occurs in old haystack bottoms as well as in such indoor habitats as stable bedding.

(Robinson, CD Section 12)

Some species, whilst not necessarily diagnostic of settlement habitats, also suggested the presence of buildings. These included fungal feeders such as Lathridius minutus gp. and Xylodromus concinnus. Robinson was able to conclude on the basis of the waterhole assemblage that it was:

...clear that the pit was either next to a building or that organic refuse from inside a building had been dumped in it. It is possible that the building was domestic or agricultural. However, it is unlikely to have been used for the long-term storage of fully cleaned cereals because even the minor grain pests were absent.

(Robinson, CD Section 12)

Age/early Roman pottery. The feature was completely backfilled prior to the construction of the building, probably during the mid to late Roman period. Only a few pieces of burnt flint were recovered from the building gullies, with nothing to indicate its function.

A number of shallow gullies in the vicinity of B2—and on the same alignment—probably represent the structural remains of at least two other rectangular buildings (B3 and B4; Fig. 4.25). Although none produced many finds, sherds dated broadly to the Roman period were recovered from some of the foundation gullies.

Circumstantial evidence from the specialist analysis of the insect remains supported the interpretation of structures in this area, at least in the late Roman period. Samples from a 4th century waterhole (174069; the latest in a sequence—see discussion below) lying just to the west of gully 163097 included several species characteristic of settlements, indicating species characteristic of settlements, indicating the proximity of a timber building in particular:

Beetles which infest structural timber comprised 4.3% of the terrestrial Coleoptera. They were all Anobium punctatum (woodworm). In the almost complete absence of other woodland insects, they provide very strong evidence for the presence of timber structures.

(Robinson, CD Section 12)

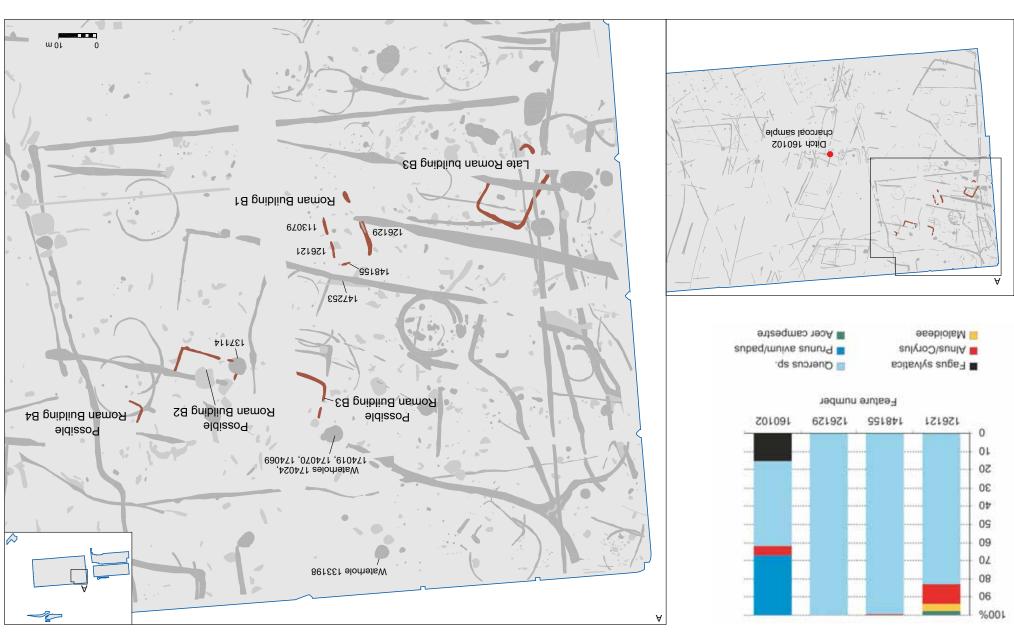


Figure 4.25: Mid to late Roman buildings and graph showing distribution of charcoal remains

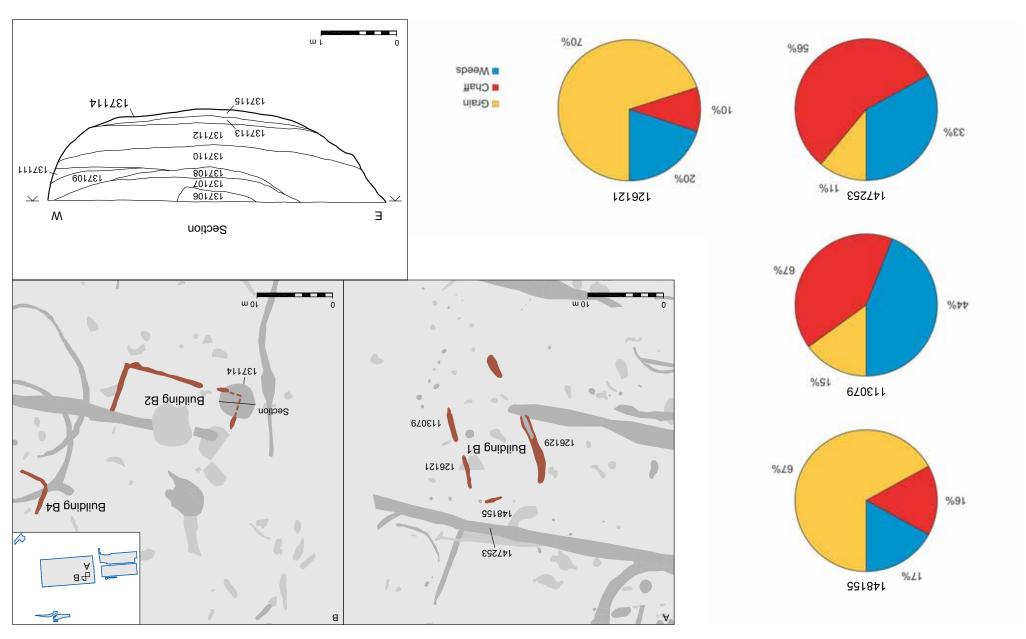


Figure 4.26: Roman buildings B1 and B2 charts showing distribution of charred plant remains from B1

Water for the settlement – Roman waterholes and wells

A number of waterholes were dug around the Roman settlement focus and probably met the needs of the Roman community at Perry Oaks for nearly four hundred years. Those relating to the mid Roman phase of settlement are described here.

Waterhole 133198 (Ist-2nd century AD)

A substantial Roman waterhole lay c35 m to the WWW of the possible Roman building group (B2-4) described above (Fig. 4.27). It was dated by pottery and coin evidence to the early-mid Roman period (1st-2nd century AD) and was probably the earliest of the waterholes to relate to these buildings.

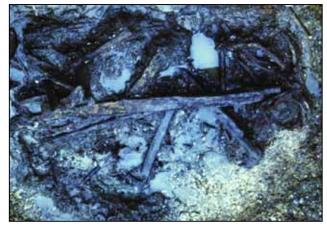


Plate 4.6: Plan view of collapsed wooden/wattle lining within Romano-British well 133198

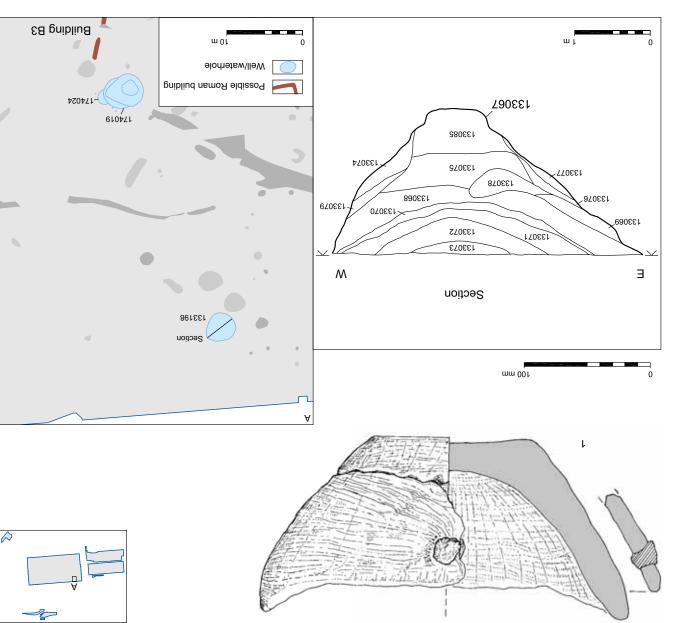


Figure 4.27: Waterhole 133198 with illustration of wooden bowl

Well/waterhole sequence 1740424 and 174024 (1st century AD – first half of

were recovered from the upper of the two fills, and four relatively unabraded sherds of pottery are looked at below. feature. This is likely to have occurred rapidly, (c late 3rd-4th century AD) period waterholes in the fills 174028 and 174029 at the base of the period are described here, whilst the later Roman Some initial erosion did occur, however, resulting to the mid Roman (c 2nd-mid 3rd century AD) would have prevented erosion of the gravel sides. Roman period. Those (174024 and 174019) relating the feature originally had a wattle lining, which had a lifespan of close to 400 years, throughout the gravel (Fig. 4.28). The steep sides suggest that settlement area (Fig. 4.28; Plate 4.8). The sequence near to possible building B3 within the main probably a well (174024), cut over 1.5 m into the The earliest cut in the sequence was a deep pit, A sequence of wells/waterholes were constructed (AA yrutha) bas shi

174028, two being late Iron Age and two Roman.



Plate 4.7: Close up of wattle inside Romano-British well 133198

waterhole had gone out of use. may have been a deliberate deposit after the tweezers, pottery, an iron bar and animal bone, group of finds from context 133078, comprising no. 1) and a leather shoe. One tightly packed including withy rope, a wooden bowl (Fig. 4.27, Many finds were retrieved from the various fills, place for such an entrance into the waterhole. more shallow and stepped eastern edge is the likely container down to scoop up water. The slightly part-way into the feature before lowering a 1.2 m high, which would have meant descending suggest that the revetment was only ever about and evidence from the full length wooden stakes around it (Plates 4.6-7). The pattern of the gravels have been pre-fabricated, with gravel backfilled of the cut immediately after its digging and may A wattle structure had been placed in the bottom $\ensuremath{\mathsf{A}}$

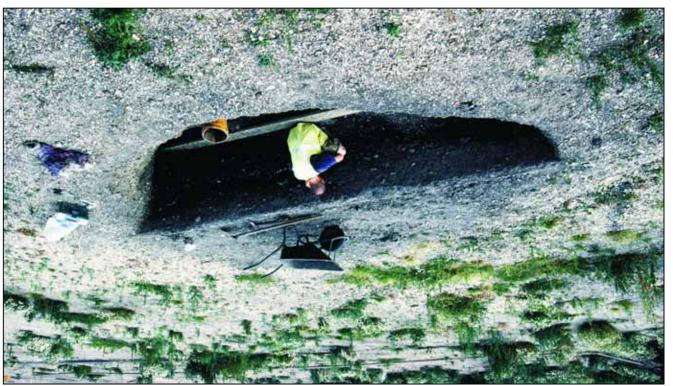
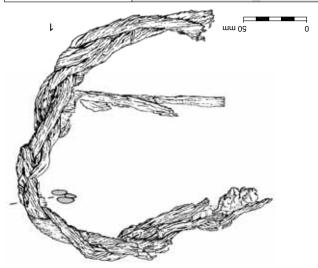


Plate 4.8: Excavation of Romano-British waterhole sequence 174024, 174019 and 174011



Subsequently, the lining of the well was removed and the feature silted naturally. The high levels of gravel present in deposit 174026 represent collapse from the exposed sides. Following the although it still contained standing water (both of the subsequent fills, 174025 and 174042, were waterlain) it is not clear whether it continued in use as a well. Only fill 174025 produced finds, a small group of fired clay, burnt flint and pottery, including white ware from the Verulamium region and a South Gaulish samian sherd. There region and a South Gaulish samian sherd. There

The remaining fills formed more slowly, with a higher silt content than the lower fills. The lowest of these, 174027, representing the main period of use, was a dark silt with few inclusions, formed in a watery environment. It produced a more varied finds assemblage than any other deposit within the feature, including small quantities of animal bone, burnt flint and fired clay. The pottery from this fill was mostly undiagnostic Roman sherds.

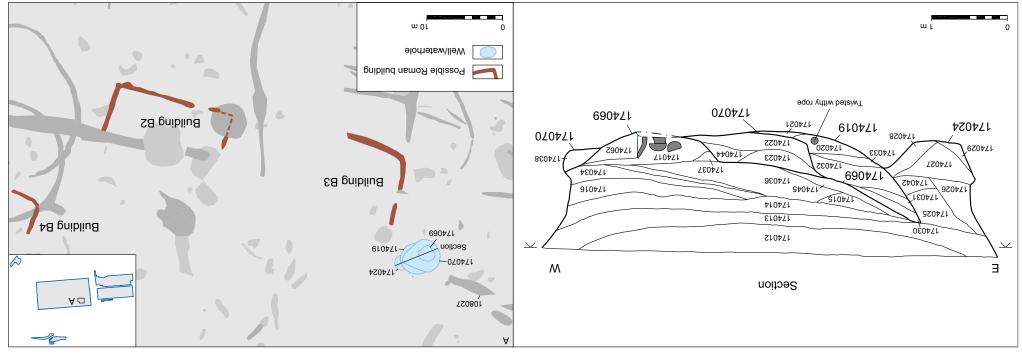


Figure 4.28: Well/waterhole sequence (174024, 174019, 174070, 174069) within the Roman settlement with illustration of twisted willow rope from 174019

activity on the site was fairly 'low status'. finewares and ceramic building material despite the presence of small quantities of was very low, and probably also indicates that absence of coins suggests that coin use on the site or Crispina (177-before 192)), was found. The Empresses (likely to be Faustina Junior (146-175) and century AD As of one of the Antonine

later Roman period Settlement development within the

late Iron Age-Roman field system. on approximately the same alignment as the Iron Age, and the enclosure boundaries remaining in the same place as it had been since the middle remained, with the settlement focus remaining sion below). Nevertheless an element of continuity socio-economic and political factors (see discusbreak with past, possibly influenced by external local community, thus representing a significant focussed outwards and away from the ancient system (Fig. 4.29; see below). This system was altered by construction of a 'ladder' enclosure boundaries to the east of the main settlement were At some in the 3rd century AD the pattern of field

Sussi in Sus

could be closely dated to this time (Figs 4.29-30). within the settlement (B5), lying to the west of B1, late Roman period, although only one building above (B1-4) could have persisted in use into the Most if not all of the Roman buildings described

> notable. gravel. The dearth of artefacts from the fill was the fills of the earlier waterhole and not natural on the eastern edge of the pit, which cut through and 174033, did not represent collapse as they lay standing water. The gravel rich deposits, 174031 174032, indicated the continued presence of

Extent and nature of the settlement

evident from the preserved remains. to a more widespread settlement area than was their location across the area of settlement points that of the middle and late Iron Age periods, and number of wells and waterholes corresponded to the level of truncation this seems unlikely. The mid Roman activity on the site, although given described above may represent the full extent of The putative structures and the waterholes

the Perry Oaks group. higher level of sophistication or status than these remains represent structures of any on the evidence to date, it seems unlikely that north of the excavated area (see Volume 2), and established that Roman activity continued to the tions undertaken by Framework Archaeology, Work to the north during the recent T5 excava-

the use of a metal detector, only a single coin, a to produce a reasonable number of coins. Despite throughout the Roman period might be expected Even a small settlement which continued in use metalwork was recovered from the settlement. A surprising paucity of Roman coins and other

> Although only the eastern edge of the feature surpossible to establish its shape, function and date. (174070; see below), but nonetheless it was truncated by the construction of a later well west (Fig. 4.28). This waterhole was itself largely a second, larger, waterhole (174019) slightly to its After the well had largely silted up, it was cut by and half of 3rd century AD) - UA vining bns gid-late snd century AD

This fill was sealed by a waterlain silt, 174020, and a number of residual prehistoric sherds. samian ware, broadly dated to before 240 AD, of pottery from this deposit included a sherd of

uct of rapid erosion of the pit walls. Seven sherds

fill, 174021, was very gravelly, probably the prod-

shallower and bowl-shaped. The lowest surviving

for a wooden or wattle liner and the profile was

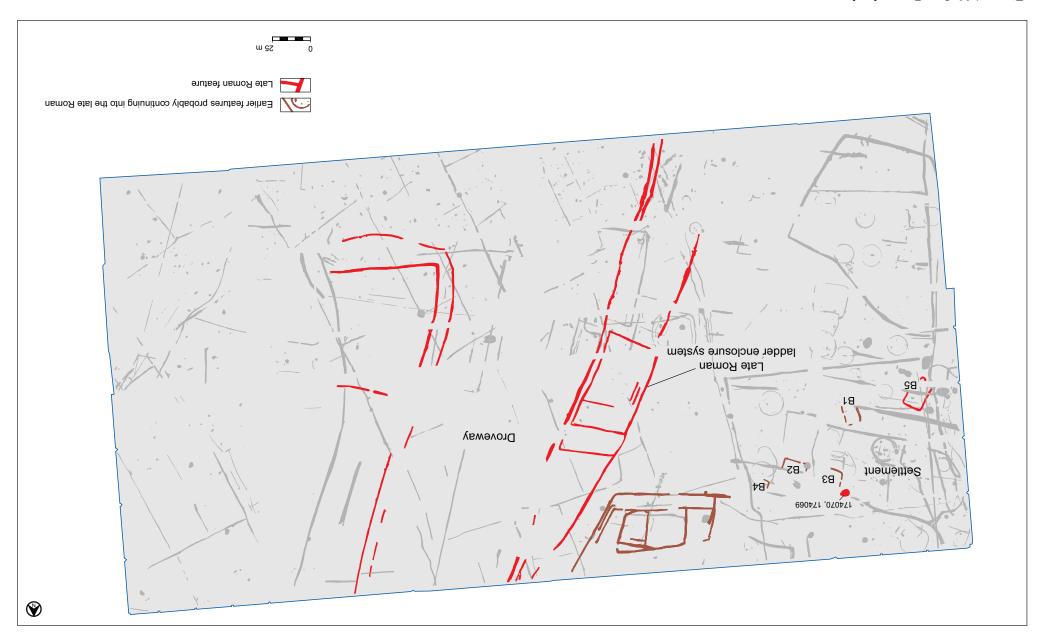
the earlier waterhole; there was no evidence

to have been constructed in the same way as vived, the evidence suggests that it was unlikely

three plaited willow strands (Fig. 4.28, no. 1). skein of twisted willow 'rope' comprising waterhole, woodworking chips and a small included twigs which had been blown into the ed cattle and horse. Small quantities of wood poorly preserved animal bone assemblage includsherd dated to between AD 160 and 300. The dated to between AD 120 and 240, and a single and reduced sherds, but some samian fragments The pottery was mainly undiagnostic oxidised waterlogged wood and some non-local stone. which produced pottery, animal bone, fired clay,

of silt and dumps of gravel. The silts, 174030 and The remaining fills comprised alternating layers

Figure 4.29: Late Roman landscape



Waterhole 174069 (?4th century AD)

showed evidence of lap joints. and 174054 had clearly been reused and hazel (Corylus sp.). Timbers 174050, 174051 oak (Quercus sp.), but two of the stakes were 174053 and 174054). Most of the timbers were timbers to the rear (174050, 174051, 174052, 174060) to the front, and by a stack of re-used held in place by two driven stakes (174059 and 174056, 174057 and 157058) roughly stacked and the cut comprising several timber planks (174055, constructed in the centre of the deepest part of truncated predecessor, a wooden revetment was 4.31). This feature may have resembled its heavily final phase of Roman settlement activity (Fig. appeared to be roughly contemporary with the 174069, dated to the 4th century AD and The final phase of the waterhole sequence,

One half of the pit divided by this timber revetment was backfilled with a gravel rich deposit, 174067, to provide a firm flat platform for the collection of water. Forty-three residual sherds of pottery were incorporated in this deposit, the latest dating to the 2nd or early 3rd centuries AD. For much of its life the well was periodically scoured to keep the water clean, artefacts came from silts that built up after its final cleaning in the western part of the feature.

Most of the pottery from this silt was residual or undiagnostic, but a virtually complete Alice Holt flagon had been deposited immediately in front of the wooden revetment (see Fig. 4.31). The rim was missing but a finger impressed rilled flange

fill included 36 sherds of pottery, some dating to the latest Roman ceramic phase (AD 240 to 410). Small quantities of fired clay, burnt flint, animal bone and a fragment of roof tile were also recovered.

Waterhole 174070. (?3rd or early 4th century AD)

waterhole (174069) of the sequence (see below). ber revetment similar to that identified in the final been deliberate dumps intended to support a tim-174044 and 174023; see Fig. 4.28 above) may have timber. The three lowest gravel-rich fills (174022, suggesting either that they had been revetted in observed. The sides of the waterhole were steep, heavy truncation, a basic sequence of deposits was century AD waterhole 174019 (see above). Despite although it clearly cut the fill of 2nd to early 3rd and 4.31). Little of its plan could be discerned, preserved and most difficult to interpret (Figs 4.28 hole in this sequence, 174070, was the most poorly gesting continuity of occupation. The third watercontinued into the late Roman period, thus sugmain settlement area described above (see Fig. 4.28) The sequence of intercutting waterholes within the

Most of the artefacts recovered from this water-hole came from the lower fill, 174022. They included Roman pottery broadly and fragments of fired clay. A second residual late Iron Age pottery sherd fint. A fragment of shale was recovered from fill 174068. The stratigraphic evidence suggests that the feature is likely to date to the 3rd or 4th century AD.

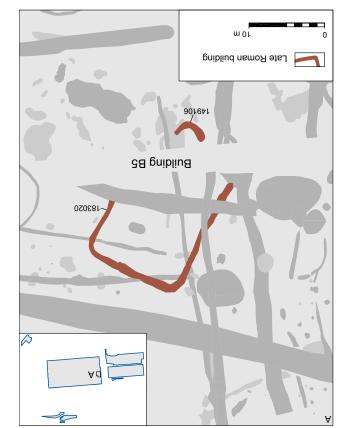


Figure 4.30: Late Roman Building B5

As was the case with the other proposed buildings described above, the only surviving feature was a shallow foundation trench with short sections of narrow beam slots. A break along its south-eastern side could have been an entrance, although it may have just been truncated at this point. The gully have just been truncated at this point. The gully have just been truncated at this point. The gully roughly rectangular area measuring c 18 m by 11 m. The finds from the gradually accumulated gully The finds from the gradually accumulated gully

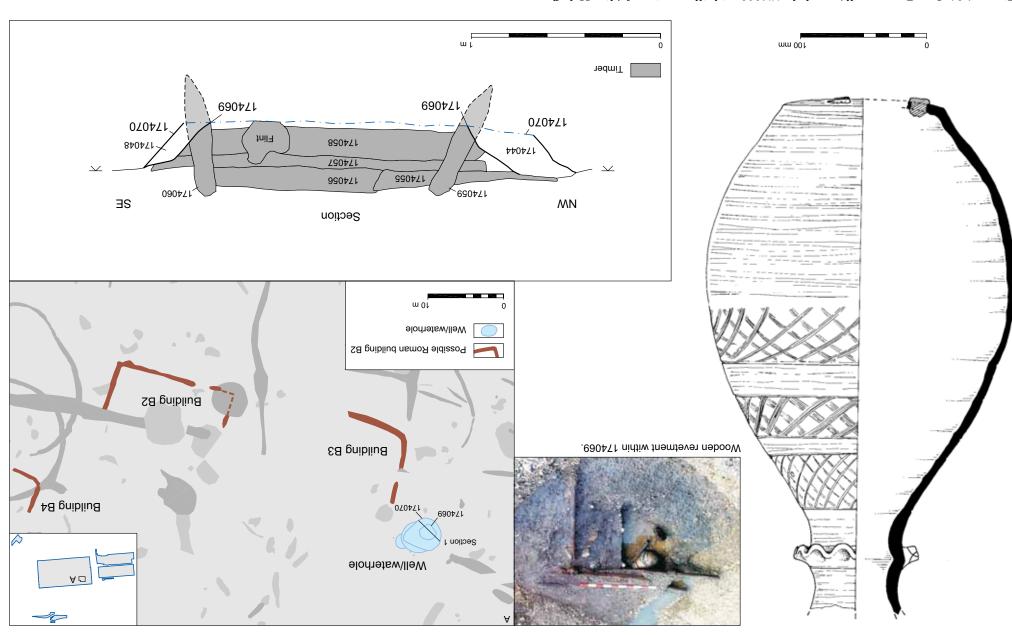


Figure 4.31: Late Roman well/waterhole 174069 with illustration of Alice Holf flagon



Plate 4.9: Excavation of the wooden revetment in the base of late Roman waterhole 174069

suggesting that this marked the end of the settlement sequence here.

The final levelling was a deliberate dump composed mainly of gravel, 174014, which produced a small assemblage of largely residual material, including pottery, animal bone, ceramic building material and burnt and worked stone. The filling of the hollow, 174012 and 174013 contained relatively large assemblages of material, representing the remains of five or six hundred years of activity at the same location incorporated in topsoil and subsoil deposits before being dragged by the plough into the top of the waterhole. The date of final deposition is unclear, but it may have been as late as into the top of the century, when a small farmstead the 11th or 12th century, when a small farmstead the 11th or 12th century, when a small farmstead

for insect damage prior to its loss. The closest recognised parallels are post-Roman reliquaries (Allen, in archive), the sockets used to hold relics or other religious items, although this identification is advanced in the absence of more obvious interpretations.

Other finds from the lower fills (174036, 174015, 174034, 174016; see Fig. 2.28 above) produced small amounts of animal bone (including cattle and red deer), fired clay and Roman pottery, along with small quantities of non-local stone, an iron nail and a copper alloy fitting.

Once the waterhole had silted up, there appear to have been no further attempts to replace or preserve the water source at this location,

on its neck survived. The vessel was decorated with alternating burnished bands and latticing, and the type dates to between $c\,\mathrm{AD}$ 330 and 420.

Other finds included several wooden objects, a fragment of worked leather (possibly a shoe fragment), a small number of animal bones and a large flint nodule, which lay immediately in front of the timber revetment (Fig. 4.32). The flint was roughly spherical, with a naturally occurring hole through one side. Although it seems to have been used to wedge the front of the timber revetment, it may originally have served as a counterweight for a lifting mechanism associated with the waterholes. Three small postholes adjacent to the two earliest wells/waterholes adjacent to (see above) may represent the superstructure of (see above) may represent the superstructure of such a lifting mechanism.

varying depths and dimensions. There is evidence blind sockets cut into it, in a regular pattern but of edges hewn to a blunt apex. One face had seven block of oak, rectangular in cross section, with the 6). The 'reliquary' was a box made from a halved than part of a wattle structure (Allen, CD Section fork at one end which may represent nothing more crop' was a curved length of ash with a truncated form a half loop. The object described as a 'crook period. It was made up of four strands plaited to from the middle Bronze Age to the late Roman was similar to others found in waterholes dating (Allen, CD Section 6; Fig. 4.32, no. 2). The withy tie an object tentatively identified as a 'reliquary' twisted willow (Fig. 4.32, no.1), a 'crook crop' and and wooden finds, including a withy tie made of Other finds included two quernstone fragments,

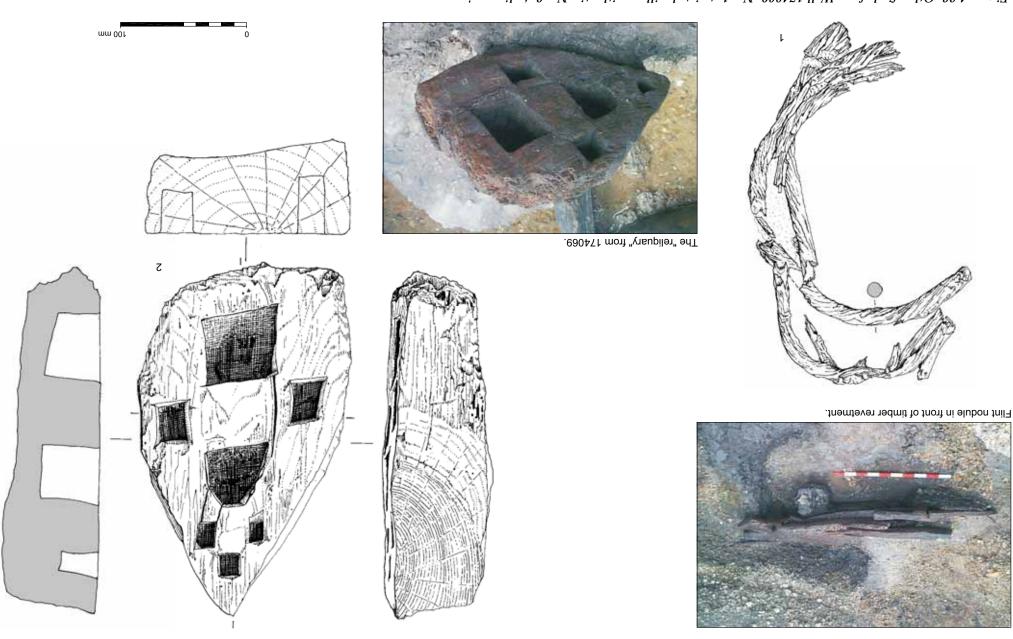


Figure 4.32: Other finds from Well 174069. No. 1. twisted willow withy tie; No. 2. 'reliquary'

Late Roman ladder enclosure recut Late Roman ladder enclosure initial phase Earlier features probably continuing into the late Roman Movement **Aedgeline** Hedgeline

Figure 4.33: Late Roman 'ladder' enclosure system

The scale of this system is impressive. The central corridor provided a droveway some 90 m wide in places, designed to accommodate high levels of traffic, even if only seasonally. The most likely numbers of stock animals, perhaps cattle, through this part of the landscape, either to markets for asile or slaughter, or the seasonal movement of animals between summer pasture and overwing. The latter might indicate the existence of large managed estates within the Heathrow area during the late Roman period. Similar large managed estates within the Heathrow of large managed estates within the Heathrow area during the late Roman period. Similar have been excavated to the north-east, on archaeonave been excavated to the north-east, on archaeonave been excavated to the north-east, on archaeonave managed excavated to the north-east, on archaeonave

The main purpose of these enclosures and ditches appears to have been to facilitate movement of animals by the construction of a large central corridor, the main axis of which lay on a roughly allowing access further to the east (Fig. 4.33). The environmental evidence provided no information as to the function of the enclosures flanking the axy and tertiary deposits derived from the arry and tertiary deposits derived from the autrounding topsoils and brickearth.

The later Roman period saw the building of an enclosure system to the east of the settlement area (Figs 4.29 and 4.33). The resulting 'ladder' arrangement was visible in cropmark surveys and took the form of a linear series of linked enclosures extending in a piecemeal process on either side of a wide central droveway.

The Roman 'ladder' enclosure system

Chronology of the 'ladder' enclosure system

The dating of the enclosure system relied on stratigraphic relationships with earlier features, and limited information provided by pottery from the ditch fills. Subsequently, the dating of the 'ladder' enclosure can only be expressed in general terms.

Given the datable pottery and the clear stratigraphic relationships with the earlier field systems, we can suggest that the enclosure system originated during the 3rd century AD, and remained a focus of activity well into the 4th and even 5th centuries. After the original ditches had silted up, only one or two cases of recutting were observed, but there were other examples where the recutting took a slightly different alignment, suggesting that traces of the initial ditch were no longer visible.

Clearly the need to facilitate movement across the Perry Oaks landscape was such that by the 3rd century AD it was considered worth sacrificing several hectares of agricultural land to meet this need. This may have seriously disrupted the local farming regime. If the land was farmed by the inhabitants of the adjacent small settlement, it is likely that a highter authority may have imposed the reshaping of the er authority may have imposed the reshaping of the land, and we might conclude that we are witnessing the management of one or more large estates. Once constructed, the enclosure ditches were maintained, and associated hedges and banks were probably also maintained and exploited.

Whilst we cannot accurately determine the life span of the 'ladder' enclosure system, it remained a major feature of the post-Roman landscape (see below).

Age to middle Roman period. However the 'ladder' enclosure system itself it is not well dated. The pottery from the ditch fills ranges in high level of residuality (see below). None of the ceramic building material can be closely dated. The earliest ditch fills had been scoured out by successive episodes of cleaning, which may possibly account for why none of the material recovered from the enclosure ditches showed any significant distribution pattern.

Pottery from the 'ladder' enclosure ditches

use over the lifetime of the 'ladder' enclosure. ditches, possibly indicating a change in pottery different assemblage accumulating within these The different fabric types may hint at a slightly ditches was a few sherds of white-slipped fabrics. contrast, the only pottery recovered from the later with some residual Gallo-Belgic finewares. In taria, whitewares, and shell tempered pottery, abandoned earlier also contained sherds of morwere found in both assemblages, the ditches between them. Although various types of pottery phases' (3 and 4) indicates minor differences pottery assemblages within these two different nation of the fabric types of the different Roman (AD 240-410) (Brown, CD Section 2). An examiphase 3 (AD 120-240), and Roman ceramic phase 4 with some precision, assigned to Roman ceramic sherds. A small number of sherds could be dated but included residual Bronze Age and Iron Age their huge scale. Most pottery was of Roman date from the enclosure ditches, especially considering Very small quantities of pottery were recovered

> logical excavations at Imperial College Sports Ground (Crockett 2002; Wessex Archaeology 2004) and Wall Garden Farm (Thompson et al. 1998).

The 'ladder' enclosures at Imperial College Sports Ground (Fig. 4.34) developed from an earlier enclosure system, which had its origins in the Iron roads out of London, and the axis of the Perry Oaks 'ladder' enclosures meets this line at roughly right angles to the north-east. Meanwhile to the south-west, the Perry Oaks droveway may have continued on to the Roman town of Staines. The implication is that the Perry Oaks and Imperial College Sports Ground 'ladder' enclosures formed part of a network of droveways that served a part of a network of droveways that served a wider region during the late Roman period.

The extent to which the reorganisation of the greater Roman landscape in late Antiquity affected the Perry Oaks settlement is unclear, although clearly a significant area of farming land was lost to the droveways and enclosures. Elements of earlier enclosure systems (E1) were incorporated into the into this later period (Fig. 4.29). The central droveway was flanked by narrow trackways, which might have provided access into the enclosures for human traffic. The relatively narrow scale of these paths suggests that any hedges and banks must have suggests that any hedges and banks must have lain on the outer sides of the ditches (see Fig. 4.33).

The 'ladder' enclosure system was the latest in a series of changes to the landscape during the Roman period, cutting the eastern field system ditches, which had developed from the late Ion

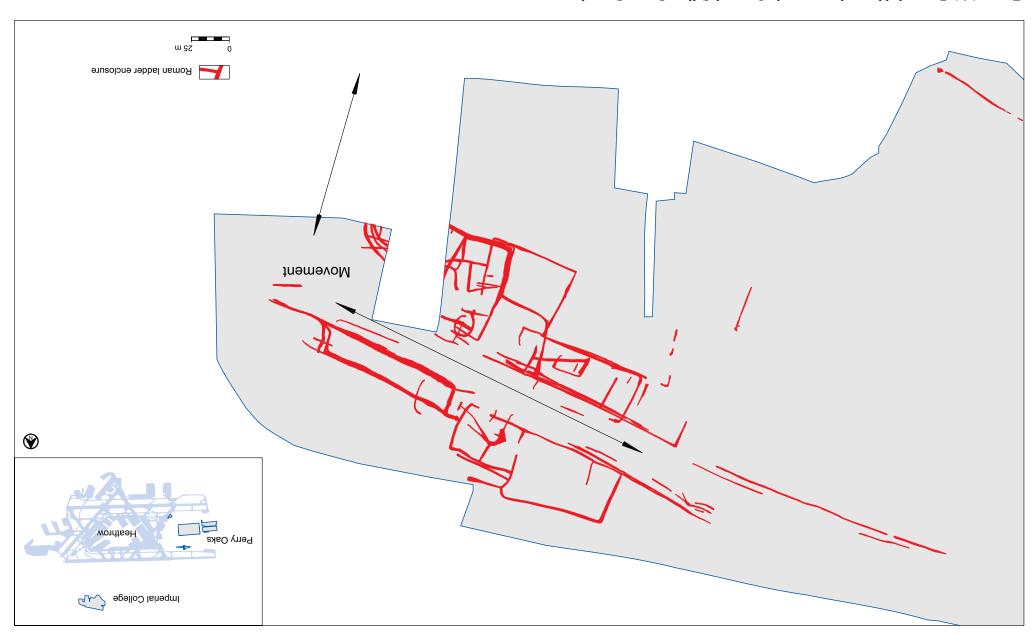


Figure 4.34: Roman ladder enclosures at the Imperial College Sports Ground

The final act - deposition of a lead tank

At some point, late in the 4th or early in the 5th century AD, some of the inhabitants of the small collection of half-timbered buildings that occupied the edge of the upper gravel terrace overlooking the floodplain of the River Colne deposited the remains of a badly damaged lead tank in a small waterhole (135087) to the west of the settlement (Figs 4.35-6; Plates 4.10-12). The following is derived from David Petts' report (CD Section 7).

circular base which had been soldered to the curved side. The side was divided into a series of panels by a horizontal strand of cable pattern, and within each panel was a floating saltire or crux decussata ('St Andrew's Cross') drawn with similar cable strand. The tank had clearly been broken up prior to burial, with an axe used to cut the base into at least two pieces, and the sides being bent and twisted until they tore. It was one of these and twisted until they tore. It was one of these sides which was buried at Perry Oaks, with its eithe folded over to meet the pase, method sides folded over to meet the pase.

The remains of this circular lead tank comprised a



7802E1 sloding ropes and straps (135088 and 135089) within late Roman waterhole 135087

sənsolən, əəbbel yo yarmanı

was waning. landscape in the form of the 'ladder' enclosures power that had stamped itself so firmly on the period, at a time when the centralised system of during the very late Roman or early post-Roman boundaries. This transition may have occurred without a wholesale change in the existing it had occupied reverted to farmland, although droveway had gone out of use, much of the land large scale movement had abated and once the suggests that by this period the necessity for of the later post-medieval trackway (see below) of the late history of the droveway. The scale were allowed to silt up. We cannot be certain maintained for a period, after which the former land. The ditches and associated hedges were AD, at the cost of a significant area of farmed droveway was undertaken during the 3rd century was such that the construction of a substantial a large scale through the Perry Oaks landscape ment to move stock and other commodities on The evidence suggests that an increasing require-

It was within this period of change and confusion that a fragment of lead tank came to be buried within a waterhole (135087) to the west of the main settlement.

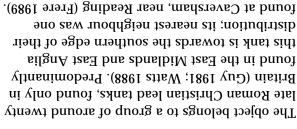


late Roman waterhole 135087 Plate 4.11: Excavation of the lead tank from

open for too long prior to the tank's deposition. minimal silting suggests that it had not been instead have been an earlier waterhole, although was necessary to dispose of it. The feature may for deposition of the tank, as it was deeper than It remains uncertain if the pit was dug specifically

> We cannot be certain exactly when the tank was evidence for Christianity in the London region. surrounding area, and adds to the relatively sparse indicator of a small Christian community in the 2004). Its presence at the site is certainly an lead and pewter objects in such contexts (Petts wider late Romano-British tradition of depositing to their disposal in such a manner, reflecting a is common, and there may well be a ritual element Their final placement in pits and watery contexts um, a ritual washing of the feet (Watts 1991, 171). they may instead be related to the rite of pedilavi-1981, 221-5). Watts has however suggested that over the head of an unclothed candidate) (Thomas by affusion (the pouring of the baptismal water argued that they were used for the rite of baptism function is, however, uncertain. Thomas has of a baptism (Walesby; Petch 1961). Their precise Malone 1999) and even the probable depiction arms raised in prayer) (Flawborough; Elliot and Greek), orans figures (a standing figure with both chi-rho symbols (first two letters of Christ in Other members of this group are decorated with other possible indications of a Christian function. Other than the crux decussata, this object bears no

> them from growing menaces to its shores. because the Empire could no longer protect Britain to look to their own defences in AD 410 Emperor Honorius had told the inhabitants of Empire. Equally, it may relate to activity after the of the periodic persecutions of Christians within the as the reign of Julian (AD 361-3) or perhaps to one sions to paganism during the late 4th century, such Its burial may relate to one of the occasional reverdismantled and buried, or even why this was done.



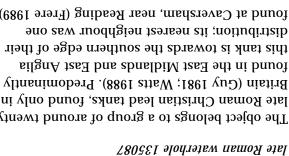


Plate 4.11: Excavation of the lead tank from



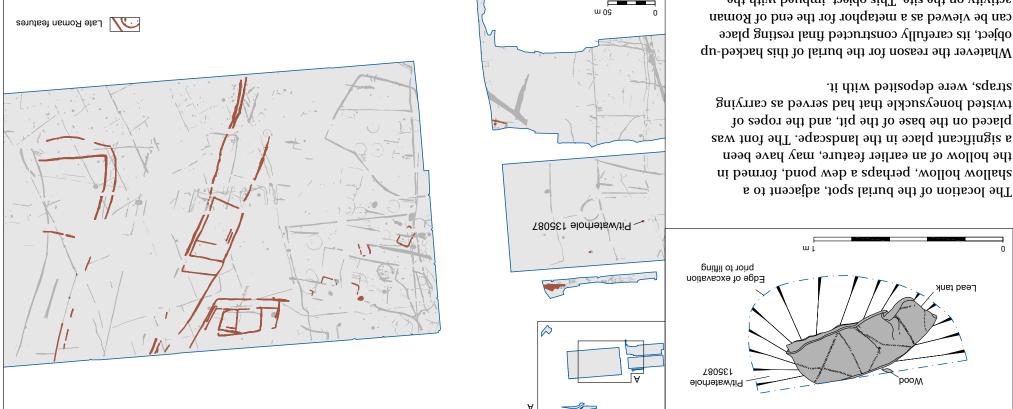


Figure 4.35: The late Roman lead tank

social networks and even the old gods had been replaced, modified or absorbed within a greater and infinitely more powerful whole. The gradual realisation that the power which had controlled and influenced daily life in so many ways and which had been equally an irritant and a source of security was now in decline must have engenof security was now in decline must have engendered a terrible uncertainty. Years of economic decline and political uncertainty caused by etermal power struggles amongst the ruling elite must nal power struggles amongst the ruling elite must

political, social and religious situation in the area. The lead tank, perhaps uniquely amongst the artefacts recovered from the site, symbolises the impact of the Roman Empire on Britain. The Empire had, within a relatively short time, changed the physical appearance of the land-scape, the material culture of the inhabitants, and perhaps most importantly and intangibly the hopes, desires, expectations and understandings of everyday people. The old political systems, of everyday people. The old political systems,

Whatever the reason for the burial of this hacked-up object, its carefully constructed final resting place can be viewed as a metaphor for the end of Roman activity on the site. This object, imbued with the attributes and significance of a foreign religion within a waning imperial system, was buried in a fashion reminiscent of pre-imperial deposition practices. With the burial, the inhabitants of the gravel association with a failing continental Empire and faced their uncertain future unencumbered by the pretation is more credible, and that the burial of the pretation is more credible, and that the burial of the pretation is more credible, and that the burial of the asset location, the very fact that this artefact was a safe location, the very fact that this artefact was never recovered highlights the shifting nature of the never recovered highlights the shifting nature of the never recovered highlights the shifting nature of the



Figure 4.36: Artist's impression of the ceremony leading to the deposition of the lead tank into pit/waterhole

leaving the horses to return to their grass.

Post-Roman landscape

tions, and recent excavations at T5 have exposed activity lay on the southern edge of the excava-(Fig. 4.37). A concentration of early medieval and orientation of this earlier landscape feature sure system, and seemed to respect the position to an area west of the late Roman 'ladder' enclo-Medieval activity on site was apparently confined

It was done. the water, where they sank to the base of the pit. done, the men cast the twisted wooden straps into out standing proud of the surface of the lead. This upwards, and the raised cordons could just be made Chance, it had come to rest with the decoration facing

and scarred edges glittering silver in the depths. By

It could still be seen on the base of the well, its torn

watching the ripples fade and the cloudy water clear.

Gradually, one by one, they turned and walked away,

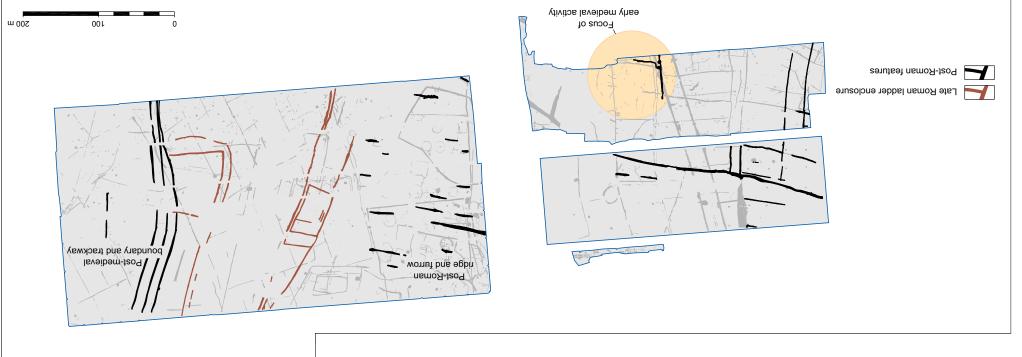
the wooden revetting which lined the well. The man they positioned it over the southern half of the pit, a noitisog otni ti gnilbnennem sbem llsw sat to szie the men made a short speech. Then, slowly, and with a They stood in a rough circle around the well as one of chad to the ground.

edge of the well, and the sweating men lowered their and their progress quickened. Shortly they reached the twisted hazel. After a while, the going became easier, mori bənoidzei sqrтуіпg straps fashioned from slightly to counter the weight they each carried, slung damp ground. Each walked awkwardly, stooping the middle of the group, treading uncertainly on the in the middle of the field. Three men walked slowly in of the settlement and down the slope to the small well curiously as a small knot of people made their way out The horses grazing in the middle distance watched

symbol of the ultimate demise of the Roman of the remains of the Christian tank is a poignant In this context, the dismemberment and burial the gates, must have been a terrible one indeed. of Perry Oaks, and that the barbarians were at Empire could no longer defend the inhabitants was to come, but the dawning realisation that the have acted as some preparation for the blow that

Empire in Britain.

sink into the depths. They stood silently for a while, of the well before releasing it and allowing it to lowered the object as far as they could into the glassy иәш ом1 әу1 рив 'рои ишәјоѕ е әле8 иәуодѕ реу оум move which necessitated them leaning awkwardly over difficult. After a few efforts, and the occasional curse, precious burden. It was heavy and awkward, and the sense of ceremony, two of the men rose and lifted their



This agricultural system was therefore probably row cut across the remains of late Roman buildings. not be closely dated, but two sets of ridge and furbetween 14 m and 17 m. These earthworks could between the shallow furrows was generally gravels and brickearth in places. The distance formed, with channels cutting into the underlying of land on which a 'ridge and furrow' system appeared to form the eastern boundary to an area The westernmost boundary of the 'ladder' enclosure and possibly even of continued use of the trackway. the survival of the hedges of the main boundaries sysyem in the post-Roman landscape must point to The apparent continuation of the 'ladder' enclosure the south-west of the Perry Oaks site (see Vol. 2). remains of a small early medieval farmstead to

Figure 4.37: Post-Roman use of the 'ladder'

associated with the medieval farmstead identified to the south-west of the Perry Oaks site. The post-medieval trackway and field boundary excavated to the east of the site shared a similar alignment with the 'ladder' enclosure system, supporting the case for continuity (Fig. 4.35). The trackway is visible on John Rocque's map of the area, the earliest known depiction of this part of the agricultural landscape, and could have had its origins in the medieval period.

